Search Summary

Query : (("International Conference on Electronic Business" 2005) WN All fields)

Type : Quick

Results : 163

Database(s) : Compendex & Inspec

Downloaded : 7/5/2021

1. A comparative analysis between SMEs and large companies in relation to integration technologies adoption

Accession number: 20130716022081
Authors: Chen, Hsin (1); Wu, Ching-Fang (2)
Author affiliation: (1) Department of Information Systems, Mathematics and Computing, Brunel University, Uxbridge, Middlesex UB8 3PH, United Kingdom; (2) Department of Business Administration, Yu da College of Business, No168, Hsueh Fu Rd., Chao Chiao, Maio Li, Taiwan
Corresponding author: Chen, H.(Hsin.Chen@brunel.ac.uk)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 839-848
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Integration technologies like Enterprise Application Integration (EAI) and Web Services allow organisations to collaborate with their partners, increase flexibility and gain competitive advantages. Despite the benefits that the integration of Information Systems (IS) can offer to enterprises, little attention has paid on the adoption of integration software by Small to Medium Sized Enterprises (SMEs). The body of literature suggests that the findings that derive from the study of large enterprises can not be generalised and applied in SMEs due to the nature and characteristics of SMEs. In an attempt to study this area, research questions were raised. These research questions are investigated in this paper and supported the authors to propose a research model. The proposed model might be used to explain why SMEs and large organisations take decisions for the adoption of integration technologies focusing on different factors. The results of an empirical study carried out on a sample of 102 companies of any size in Taiwan are presented, aiming at highlighting any significant difference in the way SMEs and large companies approach integration technologies.
Number of references: 50
Main heading: Integration
Controlled terms: Competition - Electronic commerce - Electronics industry - Supply chains - Web services - Websites
Uncontrolled terms: Comparative analysis - Competitive advantage - Enterprise application integration - Integration software - Integration technologies - Research questions - Small to medium-sized enterprise - SMEs
Classification code: 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.2 Calculus
Calculus
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

2. Value-at-risk for e-business project and portfolio appraisal and risk management

Accession number: 20130716022067
Authors: Koch, Stefan (1)

Author affiliation: (1) Institute for Information Business, Department of IS and Operations, Vienna University of Economics and BA, Augasse 2-6, A-1090 Vienna, Austria
Corresponding author: Koch, S.(stefan.koch@wu-wien.ac.at)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 765-768
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper makes the case for adopting a risk measure from the finance sector for the evaluation of e-Business projects and portfolios. The proposed value-at-risk method constitutes a well-tested approach in high-risk environments, especially banking, and reports the expected maximum loss (or worst loss) over a target horizon within a given confidence interval. Value-at-risk is computed using either an analytical, parametric approach, or resorting to simulation, either based on historical samples or Monte Carlo methods. In this paper, both the use for evaluating single e-Business projects and also associated portfolios is discussed. Small examples are given and assessed to illustrate both applications. The main advantages of using value-at-risk measures are that they are methodologically consistent with modern IS evaluation approaches like real options, that they offer possibilities for management and assessment of project portfolios, and that the results are easy to interpret.
Number of references: 29
Main heading: Risk assessment
Controlled terms: Electronic commerce - Electronics industry - Investments - Monte Carlo methods - Risk analysis - Risk management - Supply chains - Value engineering
Uncontrolled terms: Confidence interval - High risk environment - Investment analysis - Is evaluations - Parametric approach - Project portfolio - Technology managements - Value at Risk
Classification code: 723.5 Computer Applications
Computer Applications
- 911.5 Value Engineering
Value Engineering
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 914.1 Accidents and Accident Prevention
Accidents and Accident Prevention
- 922 Statistical Methods
Statistical Methods
- 922.2 Mathematical Statistics
Mathematical Statistics
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

3. The web performance of different types of online insurance providers - A wake up call to traditional insurance providers

Accession number: 20130716021979
Authors: Ahonen, Aki (1); Windischhofer, Richard (1)
Author affiliation: (1) Tampere School of Business Administration, Finland
Corresponding author: Ahonen, A.(aki.ahonen@uta.fi)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 245-252
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The skill of successfully utilizing the Internet as distribution channel for non-life insurance products is examined by comparing the web site usability of three different types of insurance providers from the UK. A long-established, traditional insurance company is benchmarked with a pure online insurer and a groceries retailer that diversified into online insurance. The study is conducted from the consumer's perspective by using expert evaluation techniques and a grounded theory approach. The findings suggest that the newer types of insurance providers outperform the traditional type and therefore represent a significant competitive threat to the insurance industry as we know it today. The theoretical findings suggest that frameworks for analysing web site usability are highly sensitive to context, and in the case of insurance services, appearance of the web site and assistance to the consumer while using the web site are evaluation criteria that are more important than expected and need to be included when analyzing non-life insurance web sites.
Number of references: 20
Main heading: Insurance
Controlled terms: Competition - Electronic commerce - Electronics industry - Internet - Supply chains - Web Design - Websites
Uncontrolled terms: Competitive threats - Distribution channel - E- services - Evaluation criteria - Grounded theory approach - Insurance companies - Insurance providers - Usability
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

4. Based on MIPv6 with support to improve the mobile commerce transaction

Accession number: 20130716022042
Authors: Hung, Yen-Chu ; Hang, Zhong-Hong ; Tsai, Chia-Wei ; Hong, Chia-Hung
Corresponding author: Hung, Y.-C.(Andrew@mail.ncyu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 631-641
Language: English
ISSN: 16830040

Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Mobile Commerce is anticipated to be the next business revolution. Under the trend of mobile age, a person begins to realize the benefits of transaction by mobility operations. We can access information, shop and bank on line, work from home and speak and send messages via mobile appliances throughout all over the world. The research that is mobile transaction managing on database has begun since 1950 and skips the Link and Network Layer with support to improve mobile commerce. This paper focus on how effectually to make the new generation of mobile network protocol apply on mobile commerce and improve the mainly four properties required by mobile transactions. The four properties are respectively atomicity, consistency, isolation and durability. The purpose based on the mobile commerce environment and making mobile transactions complete and personal by means of the Destination Extension Header based on IPv6 and the Java Transaction Service. After experiment and testing, this paper verify that we improve the mobile commerce environment and make the mobile transaction more complete with the optimization of the Destination Extension Header based on IPv6 and the Java Transaction Service under the comparison with the environment on IPv4.
Number of references: 23
Main heading: Mobile commerce
Controlled terms: Electronic money - Electronics industry - Internet protocols - Network layers - Supply chains
Uncontrolled terms: Extension headers - IPv6 - Java transactions - Mobile appliances - Mobile transaction - Mobility operations
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

5. Employee's acceptance of process innovations: An action research approach

Accession number: 20130716022076
Authors: Amberg, Michael (1); Möller, Steffen (1); Remus, Ulrich (1)
Author affiliation: (1) Business Information Technology, University Erlangen-Nuremberg, Lange Gasse 20, 90403 Nuremberg, Germany
Corresponding author: Amberg, M.(Amberg@wiso.uni-erlangen.de)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 810-818
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS

Abstract: Organizational changes are becoming more and more important due to increasing competition and rapid technological evolution. However, the intended benefits of organizational changes depend strongly on how effectively process innovations are implemented within an organization. Hereby, the management of the employee's acceptance is considered as one of the most critical tasks in change management projects. Normally, employee acceptance is evaluated using theory-based acceptance models. We start by reviewing the existing process innovation-related acceptance models. In a next step, we describe a new model, called DART, which is based on the idea of the balanced scorecard, using a meta-structure in order to identify a balanced set of individually measurable acceptance criteria. Guided by an action research approach, we further describe a case example showing the application of DART in a process reengineering project. We close our paper by reviewing the consequences of our research, as well as the suitability of DART in the research context. The results presented in this paper are expected to have important implications for both, researchers who should benefit from a very flexible acceptance model as well as managers and process designers who should gain valuable insights for their change implementation efforts.
Number of references: 39
Main heading: Personnel
Controlled terms: Electronic commerce - Electronics industry - Reengineering - Supply chains
Uncontrolled terms: Acceptance criteria - Action research - Balanced scorecards - DART - Organizational change - Process Innovation - Process reengineering - Technological evolution
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.4 Personnel
Personnel
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.3 Quality Assurance and Control
Quality Assurance and Control
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

6. Multi-plant assembly planning model in collaborative manufacturing and commerce systems

Accession number: 20130716022082
Authors: Tseng, Yuan-Jye (1); Jhang, Jia-Fong (1); Huang, Feng-Yi (1)
Author affiliation: (1) Department of Industrial Engineering and Management, Yuan Ze University, 135 Yuan-Tung Road, Chung-Li, Taoyuan 320, Taiwan
Corresponding author: Tseng, Y.-J.(ieyjt@saturn.yzu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 851-855
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: With emerging e-business models in a global supply chain, the components or parts of a product may be distributed and produced at various plants in a collaborative way for the purpose of expanding capacity and reducing costs. For an assembled product, the assembly operations for assembling the product may be performed at different assembly plants at various geographical locations. In the collaborative commerce environment, it is required to develop

a multi-plant assembly planning model for orgaizing and distributing the assembly operations to the suitable plants for completing the final product. In this research, a multi-plant assembly planning model for generating and evaluating the multi-plant assembly sequences is presented. A graph-based model is developed to model and generate the assembly sequences. The feasible assembly sequences are analyzed and evaluated based on several cost objectives. The multi-plant assembly planning model is formulated with an aim of minimizing the total of assembly costs and multiplant costs. As a result, the optimized multi-plant assembly sequences can be obtained and each of the assembly operations is assigned to the suitable plant with a minimized cost. Example parts are tested and discussed.
Number of references: 16
Main heading: Assembly
Controlled terms: Electronic commerce - Electronics industry - Graphic methods - Manufacture - Supply chains
Uncontrolled terms: Assembly operations - Assembly planning - Collaborative commerce - Collaborative manufacturing - Geographical locations - Global supply chain - Graph-based modeling - Multi-plants
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.4 Manufacturing
Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

7. Toward a new operations strategy in the network economy

Accession number: 20130716022046
Authors: Luo, Li (1); Xu, Xuejun (1); Li, Minggan (2)
Author affiliation: (1) Institute of New Industrialization, School of Business Administration, South China University of Technology, Guangzhou 510640, China; (2) GD Midea Electronic Appliances Co.,Ltd., Shunde 528300, Guangdong, China
Corresponding author: Luo, L.(luoliyh@yahoo.com.cn)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 658-661
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The rapid development of information technology has dramatically changed the dynamics of the market and altered the rules of competition. Inter-organization information systems make it possible for firms to achieve effective integration both in decision-making and operations processes, which brings enormous potential for supply chain cooperation. The scope of operations now is no longer confined to plant or strategic business unit (SBU) level. It has expanded to the whole supply chain. In the network economy, almost every underlying assumption of old economy operations management comes into questions. Competitive advantages making firms success in the old economy may lose their utility in the new IT-based economy. New source of competitive advantages should be identified and cultivated. This study conceptually extends existing operations strategy models: (1) to reflect the substantial change brought by the network economy and the new characteristics of emerging operations mode; (2) by extending the unit of analysis from plant and strategic business unit to supply chain organization; (3) by adding new construct and at the same time extending the connotation of prior constructs used in traditional operations strategy models. A conceptual framework of the new operations strategy is recommended.

Number of references: 15
Main heading: Electronics industry
Controlled terms: Competition - Decision making - Electronic commerce - Supply chains
Uncontrolled terms: Chain organizations - Competitive advantage - Conceptual frameworks - Network economy - Operations management - Operations strategies - Strategic business units - Supply chain cooperation
Classification code: 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

8. A multi-agent approach towards collaborative supply chain management

Accession number: 20130716022092
Authors: Li, Xin (1); Lau, Sim Kim (1)
Author affiliation: (1) School of Information Systems, Faculty of Commerce, University of Wollongong, Wollongong, NSW 2522, Australia
Corresponding author: Li, X.(xl14@uow.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 929-935
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Supply chain collaboration has become a critical success factor for supply chain management and effectively improves the performance of organizations in various industries. Supply chain collaboration builds on information sharing, collaborative planning and execution. Information technology is an important enabler of collaborative supply chain management. Many information systems have been developed for supply chain management from legacy systems and enterprise resource planning (ERP) into the newly developed advanced planning and scheduling system (APS) and e-commerce solutions. However, these systems do not provide sufficient support to achieve collaborative supply chain. Recently, intelligent agent technology and multi-agent system (MAS) have received a great potential in supporting transparency in information flows of business networks and modeling of the dynamic supply chain for collaborative supply chain planning and execution. This paper explores the similarities between multi-agent system and supply chain system to justify the use of multi-agent technology as an appropriate approach to support supply chain collaboration. In addition, the framework of the multi-agent-based collaborative supply chain management system will be presented.
Number of references: 36
Main heading: Supply chain management
Controlled terms: Electronic commerce - Electronics industry - Enterprise resource management - Enterprise resource planning - Information management - Intelligent agents - Legacy systems - Multi agent systems - Scheduling

Uncontrolled terms: Advanced planning and scheduling systems - Agent technology - Collaborative supply chain management - Collaborative supply chains - Enterprise resource planning (ERP) - Intelligent agent technology - Multi-agent technologies - Supply chain collaboration
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

9. Information security guidelines for healthcare institutions

Accession number: 20130716022011
Authors: Chen, Chao-Ming (1)
Author affiliation: (1) Institute of Healthcare Information Management, National Chung Cheng University, Taiwan, 168, University Rd., Min-Hsiung Chia-Yi, Taiwan
Corresponding author: Chen, C.-M.(u8824341@yahoo.com.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 448-451
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: In recent years, the form of medical records already slowly changed from paper form to electronic form. The new information science and technology makes the transmission of information easier and convenient. On the other hand, the exposedness of individual privacy and information secret would be too difficult to keep and the use of new science and technology has increased the risk of information leakiness. The information security problem appears slowly in the electronic medical record. People that are indiscreet and negligent could cause improper damage to the information management. For this reason, the security guidelines could help healthcare institutions to improve insider and outsider security problem. The security guidelines should refer to BS7799 and HIPAA that we would take many advantages. Finally, we must estimate the benefit from purchase, integration, management, operations, maintenance, time lost, clumsy interfaces and procedures etc. These may spend a lot memory and time, so we should evaluate the cost and risk of BS7799 and HIPAA in each item; it could help us to guide how to select low cost, low risk and high benefits standard item to create the security guidelines.
Number of references: 11
Main heading: Costs
Controlled terms: Cost benefit analysis - Electronic commerce - Electronics industry - Health care - Information management - Medical computing - Risk perception - Security of data - Security systems - Supply chains
Uncontrolled terms: Electronic forms - Electronic medical record - Healthcare institutions - Individual privacy - Internet security - Medical record - Science and Technology - Security problems
Classification code: 461.7 Health Care
Health Care
- 723.2 Data Processing and Image Processing

Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 911 Cost and Value Engineering; Industrial Economics
Cost and Value Engineering; Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 914.1 Accidents and Accident Prevention
Accidents and Accident Prevention
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

10. Business value of e-CRM: A multi-case study of applications in manufacturing and service industry of Taiwan

Accession number: 20130716021957
Authors: Huang, Chiung-Fen (1); Jun, Lin Chao (1)
Author affiliation: (1) Institute of Information Management, Chiao Tung University, Management Building 2, 1001 Ta Hsueh Road, Hsinchu, 300, Taiwan
Corresponding author: Huang, C.-F.(huangcf@ms60.url.com.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 87-90
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Since it is a well known fact that the cost to attract a new customer is approximately $5\sim10$ times more than the cost of keeping existing clients for the enterprise, it is a very crucial issue for the business to focus on the need of customer relationship management. Therefore, e-CRM (electronic CRM) is widely accepted recently and the adopting rate in certain organization is up to 49% annually. In this study, a systematic multi-case study in Taiwan is performed for the B2B manufacturing industry and B2C service business in order to find the critical function and important issues for e-CRM in those businesses. In addition, the efficiency factors for e-CRM are analyzed since the roles of the clients in B2C and B2B are different, i.e., the organizational and personal behavior is compared. The preliminary results show e-CRM in Taiwan has been successfully improving the service for B2B and B2C and promoting closer relationship for both the sellers and buyers. The target of new customer acquiring is also improved effectively.
Number of references: 7
Main heading: Electronics industry
Controlled terms: Electronic commerce - Manufacture - Public relations - Sales - Service industry - Supply chains
Uncontrolled terms: Business value - Critical functions - Customer relationship management - Efficiency factor - Manufacturing industries - Multi-Case study - Personal behavior - Service business
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing

Production Planning and Control; Manufacturing
- 913.4 Manufacturing
Manufacturing
Numerical data indexing: Percentage 4.90e+01%
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

11. Power, relationship commitment and supply chain integration between manufacturer and supplier

Accession number: 20130716022084
Authors: Huo, Baofeng (1); Zhao, Xiande (1); Yeung, Jeff Hoi Yan (1)
Author affiliation: (1) Department of Decision Sciences and Managerial Economics, Faulty of Business Administration, Chinese University of Hong Kong, Shatin, N.T., Hong Kong
Corresponding author: Huo, B.(baofeng@baf.msmail.cuhk.edu.hk)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 868-881
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This study identifies the factors that influence supply chain integration between manufacturer and suppliers and develop the measurement instruments for them. The factors influencing supplier integration include mediated power, non-mediated power, normative relationship commitment, and instrumental relationship commitment among the trading partners. This study empirically investigates the relationships between the factors that influence supplier integration, the degree to which the suppliers are integrated, and supplier and manufacturer's performance within the supply chain using data collected from manufacturing companies within the supply chains from Mainland China and Hong Kong. This study also empirically tests the reliability and validity of the instruments. The results show that two types of power impact relationship commitment significantly. Relationship commitment has a positive influence on supplier integration and supplier's performance. Supplier integration leads to manufacturer's financial performance. This study provides important insights for future researchers to understand power, relationship commitment and supplier integration from various perspectives. Findings from the study can help companies enhance their global competitiveness by developing and managing relationships with their trading partners that will enable them to have effective integration of key processes within the supply chain.
Number of references: 88
Main heading: Integration
Controlled terms: Electronic commerce - Electronics industry - Manufacture - Supply chains
Uncontrolled terms: China - Measurement instruments - Performance - Power - Relationship commitments - Reliability and validity - Supplier integration - Supply-chain integration
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.4 Manufacturing
Manufacturing
- 921.2 Calculus

Calculus
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

12. Using Adaptive Structuraction Theory to study the implementation of CIM systems: A case study of TFT-LCD companies

Accession number: 20130716022051
Authors: Chen, Jer-Wen (1); Ho, Chin-Yuan (1); Su, Bo-Chiuan (1)
Author affiliation: (1) Institute of Information Management, National Central University, No. 300, Jung-da Rd, Chung-Li City, Taoyuang, 320, Taiwan
Corresponding author: Chen, J.-W.(jerwen01@ms13.hinet.net)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 684-688
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: CIM (Computer Integrated Manufacturing) is like a strategic weapon that helps industries increase their capacity for competing. Case study by interviewing enterprise is the main technique applied in this research. Base on AST (Adaptive Structuraction Theory) introduced by multiple case analyses, in the process of implementing CIM the interaction between CIM and organization of two TFT-LCD industries whose business operation characteristics are different will be discussed. The research result can be treated as a reference for enterprises to perform their CIM system more effectively and promote their core competency. In the paper, some discoveries are found as follows: the enterprises that have higher degree of automation always pay more attention to the operation standard of manufacturing and system, and consider the correspondence between them for need of process automation. On the other hand, the enterprises that have lower degree of automation always pay more attention to the rationalization of production lines, the convenience of adjusting operation process after the system is implemented, division of labor among the related organizations and their responsibility as well. The reason why causes the difference is the former thinks both the system functions and information linking techniques are two most important key points in the CIM project, so the employee rate of the staff related with IT must be increased in the project organization.
Number of references: 7
Main heading: Electronics industry
Controlled terms: Automation - Computer integrated manufacturing - Electronic commerce - Supply chains - Thin film transistors
Uncontrolled terms: Business operation - Core competencies - Degree of automation - Division of labor - Operation process - Process automation - Project organization - Strategic weapons
Classification code: 714.2 Semiconductor Devices and Integrated Circuits
Semiconductor Devices and Integrated Circuits
- 723.5 Computer Applications
Computer Applications
- 731 Automatic Control Principles and Applications
Automatic Control Principles and Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES

Database: Compendex

Data Provider: Engineering Village

13. A global decision support system for garment manufacturing by using genetic algorithm

Accession number: 20130716021964
Authors: Chen, Rong-Chang (1); Li, Shiue-Shiun (2); Chen, Ying-Hua (2); Lin, Hsin-Lan (2)
Author affiliation: (1) Department of Logistics Engineering and Management, National Taichung Institute of Technology, No. 129, Sanmin Rd., Taichung, 404, Taiwan; (2) Institute of Business Administration, National Taichung Institute of Technology, No. 129, Sanmin Rd., Taichung, 404, Taiwan
Corresponding author: Chen, R.-C.(rrchens@ntit.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 138-143
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: In the recent years, each industry has to face the situation of making the decisions from global markets, especially the industries within lower technicality. These industries earn money hardly in the perfectly competitive markets. Sometimes, decision makers have to decide how to allot orders in the different factories because of distinctive requests from individual consumer. It is necessary to find a way to help managers with making a decision and allotting orders effectively. The purpose of this study tries to develop a decision support system (DSS) to help the managers and decision makers of a real garment industry In Taiwan to decide order allocation, and we used genetic algorithm (GA) for analysis tools and results would be showed by visual graphs to assist managers in decision making. By decision support systems, managers and decision makers might decide order allocation quickly and save the costs. Finally, the decision support system results in a visional frame within lowest cost, and managers decide order allocation with effectiveness by graphs. With this infor-mation, decision makers might make different decisions in unlike situations for dissimilar goals. The system had developed to be used easily and suitable to the garment industries and other similar manufacturing industries.
Number of references: 28
Main heading: Garment industry
Controlled terms: Clothes - Decision making - Decision support systems - Electronic commerce - Electronics industry - Gallium - Genetic algorithms - Graph algorithms - International trade - Managers - Manufacture - Supply chains
Uncontrolled terms: Competitive markets - Decision makers - Decision support system (dss) - Garment manufacturing - Global decision support systems - Global industry - Manufacturing industries - Order allocation
Classification code: 549.3 Nonferrous Metals and Alloys excluding Alkali and Alkaline Earth Metals
Nonferrous Metals and Alloys excluding Alkali and Alkaline Earth Metals
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.4 Manufacturing
Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

14. An approach to integrate heterogeneous data sources

Accession number: 20130716021966
Authors: Chirathamjaree, Chaiyaporn (1)
Author affiliation: (1) School of Computer and Information Science, Edith Cowan University, Perth, 6050, Australia
Corresponding author: Chirathamjaree, C.(c.chirathamjaree@ecu.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 150-155
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: To gain a competitive advantage, it is extremely important for executives to be able to obtain one unique view of information, normally scattered across disparate data sources, in an accurate and timely manner. To interoperate data sources which differ structurally and semantically, particular problems occur, for example, problems of changing schema in data sources will affect the integrated schema. In this paper, conflicts between heterogeneous systems are investigated and existing approaches to integration are reviewed. This research introduces a new mediated approach employing the Mediated Data Integration Mediator (MeD-Int), and wrapping techniques as the main components for the integration of databases and legacy systems. The MeDInt mediator acts as an intermediate medium transforming queries to subqueries, integrating result data and resolving conflicts. Wrappers then transform sub-queries to specific local queries so that each local system is able to understand the queries. This framework is currently being developed to make the integration process more widely accessible by using standard tools. A prototype is implemented to demonstrate the model.
Number of references: 17
Main heading: Data integration
Controlled terms: Competition - Decision support systems - Electronic commerce - Electronics industry - Integration - Legacy systems - Metadata - Supply chains
Uncontrolled terms: Competitive advantage - Group systems - Heterogeneous data sources - Heterogeneous database - Heterogeneous systems - Integration process - Mediation - Wrappers
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.2 Calculus
Calculus
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

15. The E-Learning revolution: Opportunities for higher education in the 21st century

Accession number: 20130716021997
Authors: McCarthy, Brendan (1)
Author affiliation: (1) School of Information Systems, Victoria University, PO Box 14428, Melbourne City MC VIC, Australia

Corresponding author: McCarthy, B.(brendan.mccarthy@vu.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 362-365
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The expansion of education beyond national boundaries has created a new market for the education industry. Many universities have formed partnerships with organisations in other countries in order to expand their programs. Several implementation models have been identified including distance education via E-Learning, study abroad programs, the establishment of a university campus in a foreign country and the travel of faculty lecturers to foreign countries for full or partial curriculum delivery. There has been dramatic growth in the development of electronic interactive learning systems and their application via E-Learning to higher education in the international market. The curriculum associated with Information Systems and in particular the teaching of Enterprise Resource Planning (ERP) systems is particularly suited to the application of E-Learning technologies. Victoria University has extended its offshore programs by offering ERP education in the Asian region and has applied E-learning technologies blending synchronous and asynchronous content to assist this expansion. A number of technologies facilitate teaching: application service provision (ASP), web-CT, computer-based training and virtual classroom technology. This approach provides an innovative and efficient means to deliver higher education internationally in terms of flexibility in subject delivery and increased learning outcomes.
Number of references: 11
Main heading: E-learning
Controlled terms: Blending - Computer aided instruction - Curricula - Educational technology - Electronic commerce - Electronics industry - Engineering education - Enterprise resource planning - Expansion - International trade - Learning systems - Offshore oil well production - Offshore technology - Supply chains
Uncontrolled terms: Application service provision - Asynchronous e-learning - Computer - based trainings - E-learning technology - Enterprise resource planning systems - Interactive learning systems - International markets - Synchronous e-learning
Classification code: 511.1 Oil Field Production Operations
Oil Field Production Operations
- 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 802.3 Chemical Operations
Chemical Operations
- 901.2 Education
Education
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 951 Materials Science
Materials Science
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

16. The building of a knowledge portal for supply chain co-evolving

Accession number: 20130716022034
Authors: Chao, Chian-Hsueng (1)
Author affiliation: (1) Department of Information Management, National University of Kaohsiung, Kaohsiung, Taiwan
Corresponding author: Chao, C.-H.(cchao@nuk.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 587-592
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Today, companies are demanding more than just access to data. They want processed and refined information that will help them to reach more effective tactical decisions. With the global deployment of computers, inter-connecting network, mobile devices, and information architecture, participants can work collaboratively by sharing networked resources, and exchanging knowledge in order to improve corporate performance. The collaboration/ cooperation feature is especially important in today's supply chain practices. Under this paradigm shift, information-oriented productivity depends on the sharing of knowledge and skills among workers. Therefore, supply chain strategies can be driven by the collective intelligence and competence to meet today's business challenges that enable organizational learning. Management of organizational knowledge for creating business values and generating competitive advantages is critical for organizational development. In other words, it is related to the efficient integration of enterprise system, e-business application framework, and knowledge portal in order to achieve the goal of a learning organization and a supply chain. co-evolving This paper focuses on the design of an enterprise knowledge portal in a supply chain scheme for today's business. The ultimate goal is to develop a technological framework for a knowledge network that brings people, information, technologies, business processes, and organizational strategies together to better utilize knowledge in e-business. The benefits of knowledge portal in today's e-supply chain collaboration will not only expand the learning capabilities of workers. It will also help supply chain trading partners to develop a more concrete vision and strategy for enhancing their market values.
Number of references: 10
Main heading: Knowledge management
Controlled terms: Competition - Electronic commerce - Electronics industry - Portals - Supply chains
Uncontrolled terms: Collective intelligences - E-business applications - Enterprise knowledge portals - Information architectures - Organizational development - Organizational knowledge - Organizational learning - Technological framework
Classification code: 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

17. Adoption of wireless handheld technology: A case of Queensland healthcare

Accession number: 20130716021949
Authors: Gururajan, Raj (1); Hafeez-Baig, Abdul (1); Moloney, Clint (2)
Author affiliation: (1) University of Southern Queensland, Toowoomba, QLD 4350, Australia; (2) Queensland Health Department, Toowoomba, QLD 4350, Australia

Corresponding author: Gururajan, R.(gururaja@usq.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 33-40
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Wireless technology is considered to a component of emerging technologies due to its relative newness in business. The mobility offered by this technology has influenced the introduction of this technology in healthcare, especially for nursing profession as nurses are always moving between patients and wards. The main advantage provided by this technology is collection of patient data at point of care, to manage patient schedules and to manage pharmaceutical information as these are the tasks performed by nurses in their workflow. Further, the technology offers flexibility and mobility to nursing staff to enable them to access data while they are moving between wards and patients. Despite many comments, it appears that user opinions on the adoption of technology specific to nursing are not prevalently available as current studies are focused on the technical aspects. This study, through a grant won from the Queensland Nursing Council in 2004, conducted a set of 30 interviews with nursing staffs to identify adoption factors. A qualitative technique, namely interviews, was used for data collection purposes and the adoption factors were identified using an NVivo analysis. The outcome of the interviews is reported in this paper.
Number of references: 22
Main heading: Medical computing
Controlled terms: Data acquisition - Electronics industry - Health care - Hospital data processing - Iodine - Mobile commerce - Nursing - Supply chains
Uncontrolled terms: Adoption factors - Adoption of wireless - Data collection - Emerging technologies - Pharmaceutical information - Point of care - Technical aspects - Wireless technologies
Classification code: 461.1 Biomedical Engineering
Biomedical Engineering
- 461.7 Health Care
Health Care
- 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 804 Chemical Products Generally
Chemical Products Generally
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

18. Towards a code of cyberethics for a municipality in South Africa

Accession number: 20130716022024
Authors: Averweg, Udo (1); Erwin, Geoff (2)
Author affiliation: (1) Information Services Department, EThekwini Municipality, University of KwaZulu-Natal, P O Box 828, Durban, 4000, South Africa; (2) Faculty of Business Informatics, Cape Peninsula University of Technology, P O. Box 652, Cape Town, 8000, South Africa
Corresponding author: Averweg, U.(averwegu@durban.gov.za)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 522-527
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Cybertechnology has had a significant impact on our social and moral systems. Ethics is a branch of philosophy that deals with what is considered to be right and wrong. One of the ways in which ethical standards in the public service in South Africa can be promoted is by developing Codes of Conduct that set a standard of behaviour to be followed within specific occupational categories. One occupational category is Information and Communication Technologies (ICT). The diversity of ICT applications (such as supply chain management) and the increased use of ICT (such as e-Business) have created a variety of ethical issues. Kantian Ethics is based on the idea that duty is fundamental and 'principle based'. The authors suggest that principle based theory should serve as backdrop to a Code of Cyberethics for a public service entity (a metropolitan municipality) in South Africa. In this paper the concepts of cybertechnology and cyberethics are introduced. eThekwini Municipality, the most populous municipality in South Africa, is selected as the environment for the formulation of a Code of Cyberethics. The methodology for the formulation of a Code of Cyberethics for eThekwini Municipality is described.
Number of references: 27
Main heading: Electronics industry
Controlled terms: Electronic commerce - Intellectual property - Laws and legislation - Philosophical aspects - Supply chain management
Uncontrolled terms: Cyber law - Cyberethics - Ethical standards - Information and Communication Technologies - Intellectual property rights - Metropolitan municipalities - Occupational categories - Public services
Classification code: 723.5 Computer Applications
Computer Applications
- 902.3 Legal Aspects
Legal Aspects
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 971 Social Sciences
Social Sciences
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

19. Benchmarking the complementary features of online auction sites - A survey

Accession number: 20130716021978
Authors: Gupta, Gautam (1); Mohapatra, Pratap K.J. (1); Jenamani, Mamata (1)
Author affiliation: (1) Dept of Industrial Engg and Management, IIT Kharagpur, Kharagpur - 721302, WB, India
Corresponding author: Gupta, G.(mailtogautam@gmail.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 232-244

Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The functionalities required for successful deployment and operation of online auction site can be broadly classified into two categories: core features and complementary features. Core features are essential for the existence of a site, whereas complementary features enhance a users experience with the site. Since a site has to have the core features, it is the complementary features that contribute to the popularity of the auction sites. We have conducted a survey of 100 auction sites to study 23 features. We found out the similarities among these sites based on their feature vectors. Three distinct groups are formed in the process. The groups are found to be distinct with respect to the core features. We also compared the complementary features of these sites. The results of the chi square tests revealed that the groups do differ with respect to most of these features. We propose a model to assign weights to the features distinctly for three auction site categories. Pareto analyses show important features that contribute to eighty percent of the weights in each group. We next define Site Evaluation Index based on these weights. The analysis shows that the sites with higher site evaluation index are indeed the popular ones, as per their ranking in the results of search engines. The highest scored sites can serve as a benchmark to choose the value adding complementary features to guide the upcoming auction sites.
Number of references: 24
Main heading: Electronic commerce
Controlled terms: Electronics industry - Search engines - Statistical tests - Supply chains - Surveys - User experience
Uncontrolled terms: Auction sites - Chi-square tests - Complementary features - Feature vectors - Important features - Online auction sites - Pareto analysis - Site evaluation
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 922.2 Mathematical Statistics
Mathematical Statistics
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

20. Consumers trust in online shopping: The case of Singapore

Accession number: 20130716022071
Authors: Kee, Hui Tak (1); Sun, Mak Kok (2)
Author affiliation: (1) NUS Business School, National University of Singapore, Kennt Ridge, Singapore, 12345, Singapore; (2) School of Business, Monash University Malaysia, Bandar Sunway, 46150 Petaling Jaya, Malaysia
Corresponding author: Kee, H.T.(bizhuitk@nus.edu.sg)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 783-787
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005

Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The emergences of the Internet and World Wide Web have changed the way businesses ply their trades. Many organizations now have established an online presence, particularly businesses that provide products or services directly to consumers, the so-called business-to-consumer (B2C) e-business. Trust is an important component for the continued viability and success of online businesses, as unlike traditional businesses, consumers do not have physical contact with the products to evaluate their suitability and quality. In this paper, we adopt the trust model constructed by Lee and Turban [7] to study how the drivers of trust in B2C e-commerce would affect the level of trust consumers have in online shopping in Singapore. We will also investigate if there are any moderating effects due to consumer' trust propensity on the relationship between each trust driver and consumer trust in online shopping. Our results show that most of the trust drivers identified by Lee and Turban have a positive effect on the level of trust on online shopping and trust propensity also has a moderating effect on the relationship between the trust drivers and consumers' trust in online shopping.
Number of references: 12
Main heading: Electronic commerce
Controlled terms: Electronics industry - Supply chains
Uncontrolled terms: B2C e-commerce - Business-to-consumer - eBusiness - Moderating effect - Online business - Online shopping - Physical contacts - Trust modeling
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

21. A quality evaluation of Internet Banking in Thailand

Accession number: 20130716022079
Authors: Leelapongprasut, Panan (1); Praneetpolgrang, Prasong (2); Paopun, Natsapun (1)
Author affiliation: (1) Business Administration (Electronic Commerce), Graduate School, Sripatum University, 61 Phaholyothin Rd., Jatujak 10900, Bangkok, Thailand; (2) Science (Information Technology), Graduate School, Sripatum University, 61 Phaholyothin Rd., Jatujak 10900, Bangkok, Thailand
Corresponding author: Leelapongprasut, P.(pnn_lee@yahoo.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 832-834
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The sampling groups in this research are customer who use the banking service via Internet system and the customer of D-Computer Co., Ltd. who usually use Internet Banking services such as inquiry about outstanding balance, fund transfer between accounts, and transfer payment for public utility. The sampling group specification of this research are must use Internet Banking services at least once a month. The research tools are questionnaires in the Web page form. Questionnaires are adapted from the tools that are used to evaluate the service quality called

"The dimension of quality by David A. Garvin" by evaluating the quality of eight dimensional services: Performance, Features, Reliability, Conformance, Durability, Aesthetics, Serviceability and Perceived quality. During the sampling survey, we received 300 questionnaires that being answered completely. For information analysis, we use the fundamental statistics to analyze the characteristics of sampling group and test the relative variable factor by means of Chi-square and obtain the result to build a variance factor linear prototype. The results were as follows: 1. The quality level of internet banking service of commercial banks in Thailand in the perspective of performance was different in each bank. 2. By weighting the important of criteria that used to evaluate the Internet Banking service quality in Thailand, the most important was the dimension of reliability, serviceability and durability. The less important was in dimension of perceived quality.
Number of references: 24
Main heading: Quality control
Controlled terms: Banking - Durability - Electronic commerce - Electronics industry - Public utilities - Quality of service - Sampling - Supply chains - Surveys - Web services - Websites
Uncontrolled terms: Banking services - E-banking - Internet banking - Perceived quality - Quality evaluation - Service Quality - Transfer payment - Variable factors
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.3 Quality Assurance and Control
Quality Assurance and Control
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

22. Consumer's adoption of B2C E-Commerce in Macao

Accession number: 20130716021989
Authors: Lee, Chang Boon Patrick (1); Yuen, Chun Yip Desmond (1); Lee, Sze Kin Ken (1)
Author affiliation: (1) Faculty of Business Administration, University of Macau, China
Corresponding author: Lee, C.B.P.(cblee@umac.mo)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 308-315
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This research sets out to determine factors that influence consumers' adoption of B2C E-commerce in Macao. While prior research has shown that there are many factors that influence E-commerce adoption, this research hypothesized that two variables - namely, trust and willingness to use credit cards for online transactions - influence E-commerce adoption in Macao. This research further hypothesized that trust and willingness to use credit card interact to influence adoption. Using data collected from a questionnaire survey, the results of this study found that the two hypothesized variables are positively related to intention to adopt E-commerce. The results also support the interaction effect. The nature of interaction showed that trust is related to E-commerce adoption only when willingness to use credit card for online transaction is high. Also, willingness to use credit card for online transaction is related to E-commerce adoption only when the level of trust is high. These results provide a richer understanding of the relationship between the hypothesized variables and E-commerce adoption. This study also collected interview data related to Internet users' adoption of E-commerce. The interview data provide a better understanding on why Macao people

are afraid of using credit card for online transactions. The researchers gathered more information about interviewees' credit card usage and habits, their attitudes toward credit card security, and their thoughts regarding identity theft. The interviews also uncovered other factors that may influence E-commerce adoption.
Number of references: 20
Main heading: Electronic commerce
Controlled terms: Electronics industry - Supply chains - Surveys
Uncontrolled terms: B2C e-commerce - Credit card securities - E-commerce adoption - Identity theft - Interaction effect - Internet users - Online transaction - Questionnaire surveys
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

23. The need for business law co-ordination in the global marketplace

Accession number: 20130716022057
Authors: Chetwin, Maree (1)
Author affiliation: (1) College of Business and Economics, Department of Accountancy, Finance and Information Systems, University of Canterbury, Private Bag 4800, Christchurch 8020, New Zealand
Corresponding author: Chetwin, M.(maree.chetwin@canterbury.ac.nz)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 719-724
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: E-mail is regarded by some companies as a mainstream marketing option. Legislation that prohibits unsolicited electronic messages of a marketing nature is a basis to stop the growth of spam. The ideal solution would be an international framework of legislation and law enforcement, but, legislation around the world has been diverse. New Zealand has taken a wait and see attitude to spam legislation. Its discussion paper "Legislating Against Spam," which was issued in May 2004, made considerable reference to the Australian approach. This paper considers the proposed New Zealand legislation in light of the Australian Spam Act 2003 and the New Zealand and Australian Memorandum of Understanding (MoU) on business law co-ordination. Does the proposed legislation go far enough? Legislation is a positive move. Without legislation, there is no basis from which New Zealand can address spam on a global basis. It is also a move to ensure sound business e-marketing practices which are essential as the Internet increases in importance for business communications. Spam is a global problem and reference is also included to the diverse approaches of the United Kingdom and the United States.
Number of references: 19
Main heading: Electronics industry
Controlled terms: Electronic commerce - Laws and legislation - Marketing - Supply chains
Uncontrolled terms: Business communications - Electronic message - Global marketplaces - Global problems - Ideal solutions - Memorandum of understanding - Spam legislation - United kingdom
Classification code: 723.5 Computer Applications
Computer Applications
- 911.4 Marketing

Marketing
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 971 Social Sciences
Social Sciences
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

24. Applying information integration theory on the modeling of price forecasting - An example of online trading on Ebay

Accession number: 20130716022061
Authors: Lin, Hsueh-Foo (1); Yang, Chia-Wei (1); Chang, Ju-Hsun (1)
Author affiliation: (1) Department of Information Management, National Pingtung Institute of Commerce, 51 Min Sheng E. Road, Pingtung 900, Taiwan
Corresponding author: Lin, H.-F.(sherry@npic.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 738-741
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Because of the booming of internet technology and the great promotion internet portal, on-line exchange is more popular in the recent years. This study attempts to integrate concepts of Information Integrate Theory; Anchoring and Adjustment Method to explore the buyer's trade behavior between two different cultures. After observing the historical data on Yahoo's Taiwan and Yahoo's America, the anchoring effect and order effect during the process of a C2C auction is proposed in this study. Chinese buyers seem willing to pay much their attention on pricing during the whole process of an auction than American people do. But, the same phenomenon does exist for American doing a bid on a higher-priced luxury commodity. It sounds for a luxury product, there is a common pricing strategy existed between people of two different cultures. The results provide a very promised direction for knowledge capture and decision analysis for trading, and more works for data mining on pricing for different commodities, cultures, or other kinds of variables related to products and members of market might be a possible future approach for building a knowledge management system for a pricing mechanism for the market.
Number of references: 13
Main heading: Data mining
Controlled terms: Costs - Decision making - Electronic commerce - Electronics industry - Knowledge based systems - Knowledge management - Supply chains
Uncontrolled terms: Adjustment method - Information integration - Internet technology - Knowledge management system - Market place - Ordering effects - Price forecasting - Pricing mechanism
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 911 Cost and Value Engineering; Industrial Economics
Cost and Value Engineering; Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management

Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

25. An evaluation e-commerce performance in hotel businesses using balanced scorecard

Accession number: 20130716021986
Authors: Cheangtawee, Patthanid (1); Praneetpolgrang, Prasong (2); Paopun, Natsapun (1)
Author affiliation: (1) Business Administration (Electronic Commerce), Graduate School, Sripatum University, 61 Phaholyothin Rd., Jatujak 10900 Bangkok, Thailand; (2) Science (Information Technology), Graduate School, Sripatum University, 61 Phaholyothin Rd., Jatujak 10900 Bangkok, Thailand
Corresponding author: Cheangtawee, P.(patthanids@hotmail.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 296-298
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: In the modern business world, the IT advances accelerate the world's commercial development with the help of Internet technology in supporting variety of activities. As a result, e-commerce play a significant role in almost every industry. Hotel industry is one of those which are fully beneficial from the e-commerce, which fulfills the customer's needs. This research is conducted to study the character of the hotel e-commerce and the measurement of performance of the hotel e-commerce in Thailand in all perspectives of Balanced Scorecard. In the research, the researcher uses the reasoning approach to describe the relationship between the variables of causes and effects whose directions are precisely specified. The samples of the research are the hotels in the Bangkok metropolitans and vicinity areas. The researcher uses questionnaires to measure the customer satisfaction of business operations according to the Balanced Scorecard. Then, the initial collective information is analyzed to categorize those samples in percentage. Next, the result of the satisfaction based on Balanced Scorecard measurement is tested for the relationship of all variables by using the statistic of interrelation and chi-square values. The result of the research provides us the character of operating of the hotel industries and the sufficiency of operating e-commerce of hotel industries in Thailand. In addition, it can be used as a guideline in hotel business development which enhances the capabilities of performance and competition.
Number of references: 20
Main heading: Strategic planning
Controlled terms: Competition - Customer satisfaction - Electronic commerce - Electronics industry - Hotels - Supply chains - Surveys
Uncontrolled terms: Balanced scorecards - Business development - Business operation - Chi-square values - Commercial development - Internet technology - Performance - Reasoning approach
Classification code: 402.2 Public Buildings
Public Buildings
- 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management

Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

26. Gauging Internet buying behavior - An emperical study on Indian Internet users

Accession number: 20130716022004
Authors: Sakkthivel, A.M. (1); Mishra, Bishnu Priya (2)
Author affiliation: (1) Department of Marketing Area, Loyola Institute of Business Administration, Loyola College, Nungambakkam, Chennai 600 034, India; (2) Regional College of Management, Bhubaneswar. Orissa, India
Corresponding author: Sakkthivel, A.M.(sakkthi@yahoo.co.uk)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 406-410
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The role of Internet has been rapidly becoming inevitable to corporate and society. Across the world, governments and corporate have been working towards the better utilization of the internet. Initially, the Internet was perceived as communication media and now, slowly, metamorphosing into a powerful business media. The Internet provides a direct reach to end users, thereby, the corporate wish to use this to gain cost competitive edge. Many dot.com companies entered and exited the cyber space during early twenty first century, yet, many dot.com companies survived and succeeded in their business. Many brick & mortar companies intended to use the Internet and found they it did not work well. The faced the peculiar lacuna of misunderstanding Internet buyer behavior and could not figure out the categories of products/services the Internet users intend to buy. At this juncture, the authors did an extensive primary research among Indian Internet users in order to identify the willingness of Internet users to buy different products/services over Internet. Besides, they also found the status of Internet users in buying different products/services online. The authors focused on finding out which stage the Indian Internet user stands in consumer buying process. The research revealed positive outcomes which would be useful to corporate world to adopt and deploy for better use. This paper mainly focused on consumer perspective of Internet purchase in order to understand Indian Internet users psyche.
Number of references: 22
Main heading: Consumer behavior
Controlled terms: Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Buyer behavior - Buying behavior - Communication media - Consumer buying - Corporate world - Cost competitive - Emperical studies - Internet marketing
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 931.3 Atomic and Molecular Physics
Atomic and Molecular Physics
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

27. Using GIS and CRM to develop intermediary portal e-business model: The case of automobile industry

Accession number: 20130716021980
Authors: Zhao, Lihua (1)
Author affiliation: (1) School of Marketing, University of New South Wales, Sydney, Australia
Corresponding author: Zhao, L.(Lihua_zhao@unsw.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 253-259
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: As Internet-based and other virtual technologies are being used more and more for procurement, supply chain management, product development, customer relations, and other business functions, and as they are proving to be efficacious, e-business has undoubtedly become an integral element in the business and engineering strategies of many automakers and suppliers. What e-business can provide to an automotive cooperation has been well stated for improving product quality, reducing costs, and shortening time-to-market cycles. In this paper, Renault Australia is used as an example of where the automobile industry is currently positioned in relation to E-Business. Online WebGIS-based Marketing Support System, developed as a portal e-business model, is designed to assistant information and knowledge exchange between the market analysis business and decision makers (and sales people) in auto industry. Incorporating marketing information gives rise to a better understanding of the potential of particular market areas or target markets, and helps identify the strengths and weaknesses of the competition in particular market areas or among particular target market segments. Such market analysis strategies obviously provide competitive advantages. Sharing information and obtaining market analysis outcomes through the Web will provide business decision makers with up to date information and knowledge. This solution will not only reduce costs for business planning, but also help to avoid the cost of wrong decisions.
Number of references: 11
Main heading: Automotive industry
Controlled terms: Competition - Cost reduction - Decision making - Electronic commerce - Electronics industry - Geographic information systems - Knowledge management - Marketing - Planning - Public relations - Supply chain management
Uncontrolled terms: Business functions - Competitive advantage - Customer relations - E-business models - Information and knowledge exchanges - Marketing information - Sharing information - Virtual technology
Classification code: 723.5 Computer Applications
Computer Applications
- 903.3 Information Retrieval and Use
Information Retrieval and Use
- 911.2 Industrial Economics
Industrial Economics
- 911.4 Marketing
Marketing
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing

Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

28. Measuring supply chain performance based on SCOR: A case study of a garment company in Taiwan

Accession number: 20130716022086
Authors: Chen, Rong-Chang (1); Du, Shun-Chin (1); Hu, Yueh-Feng (1); Lin, Siao-Bei (1); Li, Shiue-Shiun (1)
Author affiliation: (1) Department of Logistics Engineering and Management, National Taichung Institute of Technology, No. 129, Sanmin Rd., Taichung, 404, Taiwan
Corresponding author: Chen, R.-C.(rcchens@ntit.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 896-900
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The performance of supply chain is an important factor for the success of a company since it greatly affects the ability to provide customer value. Therefore, it is very important for a company to develop independent criteria to evaluate the performance, compare with competitors, and monitor the operation of a company. In the past, many companies tried to develop criteria for measuring their performance of supply chain. However, suitable criteria are hard to develop since the supply chain is generally very complex. The purpose of this study is to develop criteria to measure the performance of supply chain by using the Supply Chain Operations Reference Model (SCOR), which was shown by several previous studies to be an effective tool to develop criteria for measuring performance in diverse industries. To investigate the effectiveness of SCOR, we use the process reference model in SCOR to analyze the current state of a famous garment company's processes and its goals, and quantify the operational performance. Results from this study show that SCOR is a very effective tool to develop performance metrics of the supply chain. Through the use of SCOR, a company can clearly define key performance indices (KPI) to improve their performance.
Number of references: 6
Main heading: Supply chains
Controlled terms: Clothes - Electronic commerce - Electronics industry
Uncontrolled terms: Key performance index - Measuring performance - Operational performance - Performance metrics - Process reference models - SCOR - Supply chain operations reference models - Supply chain performance
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

29. Designing and implementing an online WebGIS-based decision support system

Accession number: 20130716021961
Authors: Zhao, Lihua (1); Lu, Hongwei (2); Yu, You Sheng (3)

Author affiliation: (1) School of Geography, Beijing Normal University, Beijing, China; (2) School of Marketing, University of New South Wales, Sydney, Australia; (3) Zhongbing Geo-Informatics Engineering Co. Ltd, Beijing, China
Corresponding author: Zhao, L.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 117-124
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper focuses on providing a market analysis solution through designing and implementing an online decision-support system (DSS) for businesses decision makers in Tobacco industry in China. The procedure makes use of data, information and software from Web based Geographical Information Systems (GIS) to generate online analysis, mapping and visualisation systems. These procedures are integrated and synchronised with market analysis techniques and customer relationship management (CRM) systems. By integrating these two techniques, a webGIS-based tobacco market information system is presented to demonstrate the significance of WebGIS in market analysis field. Specifically, to meet the needs of market practitioners (retailer, distributor and industry authority) in understanding the current market and sales performance, the system is designed and mainly consisted of four functional components: Communication and administration, Current market analysis, CRM (Client Relationship Management) and Sales/customer analysis, and Operational issues. From the system design and system usage perspectives, the illustration on the system architecture and the process of marketing information transmission reveals the benefits raised from this E-commerce tool to both the system users and service provider in marketing analysis. Based on this, the fusion of technology enhancement and marketing strategy in business process are called for and discussed.
Number of references: 15
Main heading: Decision support systems
Controlled terms: Decision making - Electronic commerce - Electronics industry - Information systems - Information use - Online systems - Public relations - Sales - Supply chains - Tobacco
Uncontrolled terms: Client relationship managements - Customer relationship management systems - Functional components - Group systems - Market analysis - Marketing information - Technology enhancements - Web-GIS
Classification code: 722.4 Digital Computers and Systems
Digital Computers and Systems
- 723.5 Computer Applications
Computer Applications
- 821.4 Agricultural Products
Agricultural Products
- 903.3 Information Retrieval and Use
Information Retrieval and Use
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

30. A study of Online Customer Loyalty based on the Theory of Planned Behavior

Accession number: 20130716021956
Authors: Hsu, Chi-I (1); Lin, Bing-Yi (1); Chiu, Chaochang (2)

Author affiliation: (1) Department of Information Management, Kainan University, Taiwan; (2) Department of Information Management, Yuan Ze University, Taiwan
Corresponding author: Hsu, C.-I.(imchsu@mail.knu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 78-86
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The Internet has introduced major changes in the way companies conduct business. Practically, rising numbers of customers are using the Internet for Electronic Commerce (EC). In the respect of customer relationship, Business-to-Consumer (B2C) EC provides ongoing information, service, and support that have changed the approaches of communication and interaction with customers. The nature of online customer behavior in the EC transaction is therefore different from the one in a traditional retailing channel. This research focuses on the online customer behavior through examining the relationship between the behavior intention and the online behavior itself. Based on the Theory of Planned Behavior (TPB), a base model of Online Customer Loyalty is developed. The research also proposes an alternative model in which Satisfaction is adopted as a mediated variable. Four hundred and twenty-three questionnaires are collected for the empirical experiment. The method of Structural Equation Modeling (SEM) is used to evaluate the measurement and structural models. The result indicates that TPB can be used to explain the behavior of Online Customer Loyalty. The structure relationship between Behavior Intention and Online Customer Loyalty is significant. The three constructs influencing Behavior Intention including Attitude toward Behavior, Subjective Norm and Perceived Behavioral Control also have indirectly positive effects on the behavior of Online Customer Loyalty. The two competing models are compared. Both models are acceptable when judged by the criteria of goodness-of-fit measures. However, the alternative model has a higher explained proportion of variance in Online Customer Loyalty.
Number of references: 44
Main heading: Sales
Controlled terms: Customer satisfaction - Electronic commerce - Electronics industry - Public relations - Supply chains - Surveys
Uncontrolled terms: Communication and interaction - Customer relationship management - Customer relationships - Goodness-of-fit measure - Online customer behaviors - Perceived behavioral control - Structural equation modeling - Theory of Planned Behavior
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

31. Using the balanced scorecard to evaluate the value of information assets in security risk management of medical care

Accession number: 20130716022013
Authors: Juang, Bo-Jie (1); Lin, Hung-Wei (1)
Author affiliation: (1) Institute of Healthcare Information Management, National Chung Cheng University, Taiwan, 168, University Rd, Min-Hsiung Chia-Yi, Taiwan

Corresponding author: Juang, B.-J.(Sam.liondance@gmail.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 457-462
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Information technology has been widely applied in the fields of globally medical care, which makes the service apparently progress in its quality and efficiency. However, medical information that was stored in electronic form really causes the risk of leaking. A good security risk management offers a positive guarantee for hospitals, which highly relying on information technology, while running their organization. While carrying out risk analysis, the value of information assets, existing weakness, and potential threat from outside of this information system must be realized. It is quite important to determine the value of information assets for the security risk management. With information age coming, there is the greater part of asset value not shown from the traditional balance sheets in accounting books. This kind of asset, which can't be shown on the balance sheet, is intellectual capital. In the study of information asset and intellectual capital, Ross et al. (1996) divided information assets into three kinds of capitals-human asset, technology asset and relationship asset. These play the same tune with the three key elements of intellectual capitals-human capital, structural capital and relational capital. Within numerous assessment methods of intellectual capital, balanced scorecard assesses intellectual capital value from the view of management and efficiency. Hence, this research proposes utilizing the balanced scorecard to find out the assessment index of information assets for domestic medical institutes while carrying on risk management. Hopefully, the results of this research can be regarded as the references of risk management of information security for domestic medical institutes.
Number of references: 25
Main heading: Risk management
Controlled terms: Efficiency - Electronic commerce - Electronics industry - Knowledge management - Risk analysis - Risk assessment - Security of data - Strategic planning - Supply chains
Uncontrolled terms: Balanced scorecards - Information assets - Intellectual capital - Internet security - Medical information - Relational capital - Security risk managements - Value of information
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.1 Production Engineering
Production Engineering
- 914.1 Accidents and Accident Prevention
Accidents and Accident Prevention
- 922 Statistical Methods
Statistical Methods
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

32. Integrating SPC and EPC for multivariate autocorrelated process

Accession number: 20130716022053
Authors: Tong, Lee-Ing (1); Yang, Chien-Hui (2); Huang, Cheng-Yi (1); Shou, Cheng-Chi (1)
Author affiliation: (1) Department of Industrial Engineering and Management, National Chiao Tung University, Hsin-chu, 30050, Taiwan; (2) Department of Business Administration, Yuanpei Institute of Science and Technology, Hsin-chu, 30015, Taiwan
Corresponding author: Tong, L.-I.(litong@cc.nctu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 692-696
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Statistical process control (SPC) is a widely employed quality control method in industry. SPC is mainly designed for monitoring single quality characteristic. However, as the design of a product/process becomes complex, a process usually has multiple quality characteristics related to it. These characteristics must be monitored by multivariate SPC. When the autocorrelation is present in the process data, the traditional SPC may mislead the results. Hence, the autocorrelated data must be treated to eliminate the autocorrelation effect before employing SPC to detect the assignable causes. Besides, chance causes also have impact on the processes. When the process is out of control but no assignable cause is found, it can be adjusted by employing engineering process control (EPC). However, only using EPC to adjust the process may make inappropriate adjustments due to external disturbances or assignable causes. This study presents an integrated SPC and EPC procedure for multivariate autocorrelated process. The SPC procedure constructs a predicting model using group method of data handling (GMDH), which can transfer the autocorrelated data into uncorrelated data. Then, the Hotelling's T2 and multivariate cumulative sum control charts are constructed to monitor the process. The EPC procedure constructs a controller utilizing data mining technique to adjust the multiple quality characteristics to their target values. Industry can employ this procedure to monitor and adjust the multivariate autocorrelated process.
Number of references: 16
Main heading: Statistical process control
Controlled terms: Autocorrelation - Control charts - Data handling - Data mining - Electronic commerce - Electronics industry - Experimental reactors - Flowcharting - Product design - Supply chains
Uncontrolled terms: Autocorrelated process - Cumulative sum control charts - Engineering process control - Group method of data handling - Multiple quality characteristics - Multivariate process - Quality characteristic - Statistical process controls (SPC)
Classification code: 621 Nuclear Reactors
Nuclear Reactors
- 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 731.1 Control Systems
Control Systems
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.1 Production Engineering
Production Engineering
- 921 Mathematics
Mathematics
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

33. Applying information technology to patient safety reporting system

Accession number: 20130716021948
Authors: Lin, Wei (1); Liu, Hung-Hsiang-Shui (2); Chou, A-Cgou (3); Hsu, Hei-Mei (4)
Author affiliation: (1) Feng Chia University, 168, University Rd., Min-Hsiung, Chia-Yi, Taiwan; (2) Yuan's General Hospital, Taiwan; (3) Shinyin Hospital, Department of Health, Yuan, Taiwan; (4) Meiho Institute of Technology, Taiwan
Corresponding author: Lin, W.(misicc@mis.ccu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 28-32
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: After a nursing staff of North Town Woman & Children's Hospital made an error injection and caused one infant dead and six injured in 2002, the Taiwan government pays more attention to patient safety. Firstly, the Department of Health (DOH) established the Patient Safety Committee in February, 2003 to promote several patients' safety activities and education training. Secondly, the committee is actively planning a nationwide reporting system of patient safety to summarize the common causes of medical errors. Most hospitals (about 70%) have not utilized information technology to construct a patient safety reporting system. The conventional reporting mechanism is to fill a paper form and circulate through out the organization. Therefore, in order to make the greater efficiency and effectiveness on a reporting system, this research develops a Patient Safety Reporting System (PSRS) used inside the hospital to solve the disadvantages of conventional reporting mechanism and enhance patient safety and medical quality. The prototyping method was used to develop the PSRS to assure the communication between users and system designers about the actual system to be implemented. The results show that the PSRS has higher satisfaction than that of the traditional paper method. The PSRS not only save on time and man power for reporting but also improve the anonymity and security of reporting process. These advantages have a positive effect on staffs' willingness of reporting. The experience of developing this system could be used as reference for other hospitals to develop their own PSRS.
Main heading: Electronics industry
Controlled terms: Electronic commerce - Errors - Hospitals - Supply chains
Uncontrolled terms: Department of healths - Education training - Medical errors - Patient safety - Reporting mechanisms - Reporting systems - Safety activities - System designers
Classification code: 462.2 Hospitals, Equipment and Supplies
Hospitals, Equipment and Supplies
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Numerical data indexing: Percentage 7.00e+01%
Database: Compendex

Data Provider: Engineering Village

34. Micro-commoditization and Pay-As-You-Consume (PAYC) model for digital entertainment products - An application

Accession number: 20130716021969

Authors: Mohanty, Kirtiraj (1); Mohapatra, Pratap K.J. (1)
Author affiliation: (1) Department of Industrial Engineering and Management, Indian Institute of Technology, Kharagpur 721302, India
Corresponding author: Mohanty, K.(kr.mohanty@gmail.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 172-182
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The new technological developments and business strategies hold considerable promise to eradicate market inefficiencies and unravel a new era of digital commerce. Micro-commoditization and micro-consumption are the two new economic forces in motion, in the world of e-Business. With the advent of electronic commerce there is a shift from the traditional Pay First-Consume Next model (PFCN) and Consume-First-Pay Next model (CFPN) to a Pay-As-You-Consume model (PAYC) configuration. Among the various genre of microproducts, digital microproducts, such as music, movies, news, information items, and video games have a huge industry. The present work incorporates the concepts of micro-consumption, micro-commoditization and the PAYC model in a web-application named On-Demand-Music. The PAYC model enables automatic reduction of balance from the customer's bank account, making the payment process fast and easy. The application enables users to consume digital microproducts (here music) in small granules rather than buying huge bulk of music (e.g. buying an entire CD containing only one or few favorite song(s)). The Software Development Life Cycle (SDLC) approach has been used to analyze, design, code and test the web-application. Developed using technologies such as Java Server Pages™ (JSP), MySql and various Java plug-ins, the application enables users to listen to their favorite song(s) or parts of chosen song directly from the server. The usefulness of present work is that it makes the mode of payment easier and brings out the essence of micro-consumption, micro-commoditization and the PAYC model in music as an example of digital entertainment microproducts.
Number of references: 4
Main heading: Electronics industry
Controlled terms: Application programs - Electronic commerce - Electronic trading - Entertainment - Java programming language - Life cycle - Software design - Software testing - Supply chains
Uncontrolled terms: Digital entertainment - eBusiness - Java server pages - Market inefficiencies - Micro commodit-ization - Micro-consumption - Software development life cycle - Technological development
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

35. Research on issues related to virtual reality representation in online shopping system -experimental study on spatial location relations among objects based on visual attention theory

Accession number: 20130716022010
Authors: Li, Jiangyu (1); Yu, Haibo (2)

Author affiliation: (1) School of Economic and Business Administration, Beijing Normal University, 100875, China; (2) Institute of Psychology, Chinese Academic of Sciences, 100101, China
Corresponding author: Li, J.(li_jy@126.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 436-440
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This article has studied influences of three factors namely flashing (FF), consistency (CF) and distance (DF) to spatial location array of commodity objects in online shopping system. The findings show that reaction time (RT) of subjects in still representation is shorter than that in live representation; faster in the setting of being inconsistency between commodities and their text description than that of being consistency; in the condition of both Flashing (FSH) level and Consistency (CON) level, Un-flashing (UNFSH) level and Inconsistency (INCON) level, subjects RT in the setting of commodity object being farther from its description is shorter than that in being near. The research finds no discrepancies that three factors have any impact on subjects' accuracy rate. Further analysis finds that physical distance of commodities plays a major role in affecting spatial location array of objects, while conceptual distance ranks on the second place. Location-based visual attention has the biggest impact on spatial location relation of virtual reality setting, and object-based visual attention plays a second largest impact. The impact would be highly impressive when either physical distant or conceptual distance is conformed to experiences in real life, Singleton detection mode will play a role at the situation when coincidence of the said phenomenon and real life experience is less, which means distinct flashing (FSH) will lead to better effect at this particular situation, otherwise it is worse.
Number of references: 13
Main heading: Behavioral research
Controlled terms: Chemical detection - Electronic commerce - Electronics industry - Location - Marketing - Supply chains - Virtual reality
Uncontrolled terms: Attention theory - Internet marketing - Life experiences - Object-based visual attentions - On-line Shopping systems - Shopping systems - Spatial location - Virtual reality representation
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 801 Chemistry
Chemistry
- 911.4 Marketing
Marketing
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 971 Social Sciences
Social Sciences
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

36. The multi-channel CRM application framework for M-business practices

Accession number: 20130716022038
Authors: Chao, Chian-Hsueng (1)

Author affiliation: (1) Department of Information Management, National University of Kaohsiung, Kaohsiung, Taiwan
Corresponding author: Chao, C.-H.(cchao@nuk.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 608-612
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: In every industry, customers' preferences are changing faster than ever before. Customers can no longer be categorized into well-defined market segments or homogeneous groups. They need to be treated as individuals each with specific needs. The information must be available to anyone from anywhere at anytime. Therefore, service quality becomes an important measure for both enterprises and customers. In real-time economy, sales and services have deep impacts on up/downstream decisions, as well as decisions related to supply chain trading partners. Thus, customer relationship management (CRM) has more transparency than ever, by shifting from a sales productivity tool to a technology-enabled relationship management strategy. Today's businesses are typical collaborative multienterprise multi-channel supply chain consisting of several specialists. Mobile technology and personalized customer care open the door to new opportunities by offering valueadd services in CRM practices. The key to customer satisfaction and loyalty resides in the enterprise's core offering and efficient transaction management. This paper provides a broad discussion on the design of mobile-toenterprise application framework for CRM practices. The purpose is to provide an overview and schematic to design an integrated mobile CRM suite. The ideal of this approach is to maximize the value of an enterprise's customer portfolio through more efficient and effective marketing, sales, and customer service and to put the customers in control, by providing self-service and solution-centered support. With the mobile CRM application framework, the enterprise is also extended to suppliers and trading partners so that when customers get in contact with the resources of an enterprise, they also touch the resources of the value chain. The customers who drive the entire value chain (or supply chain), determine what is to be produced, when it is produced, and at what price.
Number of references: 8
Main heading: Sales
Controlled terms: Customer satisfaction - Electronic commerce - Electronics industry - Public relations - Supply chains
Uncontrolled terms: Application frameworks - Business practices - Customer relationship management - Customer services - Homogeneous group - Relationship management - Sales productivity - Transaction management
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

37. The critical success factors and integrated model for implementing e-business in Taiwan's SMEs

Accession number: 20130716021984
Authors: Fu, Chen Te (1, 2); Lan, Yi Chen (3)

Author affiliation: (1) School of Management, University of Western Sydney, Australia; (2) Cheng Shiu University, Taiwan; (3) School of Computing and IT, University of Western Sydney, Australia
Corresponding author: Fu, C.T.(phd2004_05@yahoo.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 279-289
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Purpose - To date, identifying barriers and critical success factors (CSFs) and integrating business model in implementing e-business for SMEs have not been systematically investigated. Few existing studies have derived their CSFs and business model from large companies' perspectives and have not considered the needs of integration for smaller businesses. This paper is aimed to bridge this gap. Design/methodology/approach - Existing studies on CSFs and e-business model were reviewed and their limitations were identified. By integrating insights drawn from these studies as well as adding some new factors, the author proposed a set of 18 CSFs which is believed to be more useful for SMEs. The importance of the proposed CSFs was theoretically discussed and justified. In addition, a case study was conducted to evaluate the extent of success of this proposition. Findings - The overall results from the case study assessment were positive, thus reflecting the appropriateness of the proposed CSFs and integrated model. Practical implications - The set of CSFs and integrated model can act as a list of items and an easy to follow model for SMEs to address when adopting e-business. This helps to ensure that the essential issues and factors are covered during implementation. For academics, it provides a common language for them to discuss and study the factors crucial for the success of e-business in SMEs. Originality/value - This study is probably the first to provide an integrative perspective of CSFs and integrated model for implementing e-business in the SME sector. It gives valuable information, which hopefully will help this business sector to accomplish e-business visions.
Number of references: 21
Main heading: Electronics industry
Controlled terms: Electronic commerce - Supply chains
Uncontrolled terms: Business modeling - Critical success factor - CSFs - Design/methodology/approach - E-business models - eBusiness - Integrated modeling - SMEs
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

38. Using header session messages to filter-out junk e-mails

Accession number: 20130716022096
Authors: Wang, Chih-Chien (1); Chen, Sheng-Yi (1)
Author affiliation: (1) Graduate Institute of Information Management, National Taipei University, Taiwan
Corresponding author: Wang, C.-C.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005

Publication year: 2005
Pages: 952-961
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Due to the popularity of Internet, e-mail use is the major activity when surfing Internet. However, in recent years, spam has become a major problem that is bothering the use of the e-mail. Many anti-spam filtering techniques have been implemented so far, such as RIPPER rule learning algorithm, Naïve Bayesian classifier, Support Vector Machine, Centroid Based, Decision trees or Memory-base filter. Most existed anti-spamming techniques filter junk e-mails out according to e-mail subjects and body messages. Nevertheless, subjects and e-mail contents are not the only cues for spamming judgment. In this paper, we present a new idea of filtering junk e-mail by utilizing the header session messages. In message head session, besides sender's mail address, receiver's mail address and time etc, users are not interested in other information. This paper conducted two content analyses. The first content analysis adopted 10,024 Junk e-mails collected by Spam Archive (http://spamarchive.org) in a two-months period. The second content analysis adopted 3,482 emails contributed by three volunteers for a one week period. According to content analysis results, this result shows that at most 92.5% of junk e-mails would be filtered out using message-ID, mail user agent, sender and receiver addresses in the header session as cues. In addition, the idea this study proposed may induce zero over block errors rate. This characteristic of zero over block errors rate is an important advantage for the anti-spamming approach this study proposed. This proposed idea of using header session messages to filter-out junk e-mails may coexist with other anti-spamming approaches. Therefore, no conflict would be found between the proposed idea and existing anti-spamming approaches.
Number of references: 33
Main heading: Spamming
Controlled terms: Decision trees - Electronic commerce - Electronics industry - Learning algorithms - Supply chains - Support vector machines - Trees (mathematics)
Uncontrolled terms: E-mail address - Filter - Junk e-mail - Spam - Web based information technology
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.4 Combinatorial Mathematics, Includes Graph Theory, Set Theory
Combinatorial Mathematics, Includes Graph Theory, Set Theory
Numerical data indexing: Percentage 9.25e+01%
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

39. Enhancing on-site maintenance execution with ICT - A case study

Accession number: 20130716022085
Authors: Lehtonen, Olli (1); Ala-Risku, Timo (1)
Author affiliation: (1) Department of Industrial Engineering and Management, Helsinki University of Technology, P.O.Box 5500, FI-02015 Helsinki, Finland
Corresponding author: Lehtonen, O.(olli.lehtonen@hut.fi)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005

Pages: 882-895
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Information and communications technologies (ICT) can be used to improve the efficiency of field service processes. The role of ICT in assisting the planning process of preventive equipment maintenance has been abundantly discussed in the literature, but the actual on-site maintenance execution and the value of information have escaped the attention of most researchers. This gap in research has been pointed out by a few authors [4][25]. Due to the scarce literature on ICT support for maintenance operation execution, we pose the following research problem: How can maintenance execution be helped with better information? This problem is approached by examining how the unavailability of information does affect maintenance execution performance, and what the most often required pieces of information are. This study includes a literature part and a case study. In the literature part, we first examine the maintenance environment where breakdown maintenance policy and field service are distinguished as the most challenging environments in terms of managing equipment down-time. After that, we examine equipment down-time and uses of ICT systems in accordance with a framework for the components of defect rectification time that is built upon a model according to Knotts [21]. In the case study, we examine the service company network of a Finnish capital goods manufacturer. We use interviews, survey of service companies, and data analyses to examine the case in accordance with the framework developed in the literature part. The study revealed that about 40% of the failed service visits are caused by the unavailability of information. In addition, almost a third of the service visit's duration is used to inquire for equipment details and to diagnose the problem. We conclude that better information would increase the service call success ratio and would cut down the duration of the on-site service operations.
Number of references: 37
Main heading: Maintenance
Controlled terms: Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Breakdown maintenance - e-Logistics - eBusiness - Equipment maintenance - Execution performance - Information and communications technology - Maintenance operations - Value of information
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.5 Maintenance
Maintenance
Numerical data indexing: Percentage 4.00e+01%
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

40. A knowledge-based innovation for high technology industries and applying to cross strait marketplaces

Accession number: 20130716022032
Authors: Fu, Chen Te (1, 2)
Author affiliation: (1) Cheng Shiu University, Taiwan; (2) School of Management, University of Western Sydney, Australia
Corresponding author: Fu, C.T.(phd2004_05@yahoo.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005

Pages: 565-581
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The study discusses after China and Taiwan has finally cleared all the hurdles to gaining World Trade Organization (WTO) membership, joining in November 2001. However, foreign investors in China are increasingly embroiled in disputes with Chinese companies due to innovation barriers. Besides, after China and Taiwan joint WTO, high tech industrial competition faces globalization and digitalization two big problems Therefore, this paper examines the notion that China's and Taiwan's entry into the WTO and their innovation reforms in line with globalization and digitalization have a significant impact on the entire system of knowledge-based innovation management. Firstly, the study reviews innovation through a knowledge-based theory lens in the innovation supporting processes to construct a research framework. Internally, the supporting innovation processes include knowledge and technology innovation, Managing & organizing innovation. Externally, the supporting innovation processes include inter-organization networks, innovation networks and eknowledge networks and cooperation innovation. Secondly, the study through case studies critically investigates the supporting processes of innovation management in China and Taiwan in the context of their WTO entry, and puts forward exploratory ideas that may assist in creating a blueprint for deepening China's and Taiwan's innovation reforms. Under knowledge based and digital economy, how to overcome barriers of knowledge based innovation over the cross-strait and global markets are the most key factors for firm's survival. To answer these questions, in this paper, a more complete integrated innovation model and knowledge based innovation supply chain (KISC) for exploring and determining innovative supporting process in high tech industries and applying to cross strait (China and Taiwan) marketplace is presented. The results of the study will benefit not only the construction of knowledge based innovation framework, but also the business model transformation of competitive advantage.
Number of references: 72
Main heading: Engineering research
Controlled terms: Competition - Electronic commerce - Electronics industry - International trade - Knowledge based systems - Knowledge management - Supply chains
Uncontrolled terms: Competitive advantage - High technology - High technology industries - Industrial competition - Innovation management - Research frameworks - Technology innovation - World Trade Organizations
Classification code: 723.4.1 Expert Systems
Expert Systems
- 723.5 Computer Applications
Computer Applications
- 901.3 Engineering Research
Engineering Research
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

41. A customer-support knowledge network integrating different communication elements for an e-commerce portal using self organizing maps

Accession number: 20130716021955
Authors: Bandopadhyay, Tapati (1); Kumar, Pradeep (1)
Author affiliation: (1) ICFAI Business School, IDPL Complex, Old Delhi Jaipur Road, Dundahera,Gurgaon (Haryana) 122016, India
Corresponding author: Kumar, P.(pkgarg@ibsdel.org)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 71-77
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Successful e-commerce portal organizations focus intensely on customers. They try to consider every bit of information that flows from the customer to their system as an input for analyzing and identifying their needs precisely and catering to them. Being mostly 'click and mortar' or completely e-enabled, they have a lot of operational flexibility to address customer requirements in a more personalized and customized way than their brick-and-mortar counterparts with more operational rigidity and resource constraints. Managing diverse range of channels is a challenge because of exponential and sometimes disruptive growth of diverse technologies that are used for supporting high-volume e-commerce operations. Customers are bouncing between phone, email and the web with greater fluidity than ever and therefore, fragmented, 'stove-pipe' communications, in such situations, can create problems as they loose out the holistic view on the basic nature of the problems and customer priorities. Therefore, the use of a common knowledge base across all channels is a dire necessity for an e-commerce portal, especially the ones which do not have a 'brick-and-mortar' back-end. The customer-support knowledge network as proposed in this paper addresses these issues. Using Self Organizing Maps(SOM), the network becomes incrementally self learning representing various groups of communication instances at any point of time. The advantages include the integration of all communication elements and an assimilation of all the customer communication issues into a reusable form of self-learning network. It adds an immense value for a customer-focused e-commerce company for identification of generic issues, better understanding of customer concerns and priorities and designing products/ services/ promotions accordingly, to ensure an overall better success of business.
Number of references: 12
Main heading: Self organizing maps
Controlled terms: Brick - Conformal mapping - Electronic commerce - Electronics industry - Knowledge based systems - Mortar - Product design - Public relations - Sales - Supply chains
Uncontrolled terms: Customer communications - Customer concerns - Customer relationship management - Customer requirements - E-commerce operations - Know ledges - Operational flexibility - Resource Constraint
Classification code: 414.2 Brick Materials
Brick Materials
- 414.3 Mortar (Before 1993, use code 412)
Mortar (Before 1993, use code 412)
- 723.4.1 Expert Systems
Expert Systems
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.1 Production Engineering
Production Engineering
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

42. A qualitative analysis of emerging e-commerce technologies and their effects on changing business patterns

Accession number: 20130716022064

Authors: Kolachi, Nadir Ali (1)
Author affiliation: (1) Institute of Management and Computer Sciences, Bahria University, Karachi, Pakistan
Corresponding author: Kolachi, N.A.(nadir@bimcs.edu.pk)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 750-754
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Technology of different shapes have got much race from 1960 to present. In 1970, the computer technology brought lots of faster modes of business when the faster calculations and saving data became possible. It further innovated the big information systems after 1985 when the manual work started to be converted into computerized means as computer based information systems. But one advent brought various solutions to the business and that is the miraculous advent of internet after 1992. An internet is one of the biggest emerging Ecom technology which has facilitated the business platform in much faster and flexible standards. Due to the technology the business is advanced at an exponential rate of making life very easy and guiding to be equipped with other technological wonders of not only doing business but increasing education activities, knowledge and coordination through organization to organization and customers to customers. The purpose of this paper is to identify emerging e-com technologies and get a sneak peak into internet and information literacy related technologies which will pull ecom any time to millions of people and push business to survive on modern business platforms. The study will focus on emerging e-com technologies that have emerged through the last decade or so. It will also focus on the current and possible applications and factors of important view which have brought significant role in business scenario. The paper consists of five main sections: First is about the introduction, concept and definitions of the topic, Second is regarding the historical perspective of emerging technologies and identification of e-com emerging technologies and their changing phase in the faster pace of information technology and business aspects, Third focuses on the model of e-com and computer technology development. Fourth is about some examples on applications of emerging e-com technologies from available literature survey to support this research, Fifth is followed by the conclusions, recommendations, research methodology, references and bibliography.
Main heading: Engineering education
Controlled terms: Electronic commerce - Electronics industry - Information systems - Information use - Supply chains
Uncontrolled terms: Business platforms - Computer based information systems - Computer technology - Emerging technologies - Historical perspective - Information literacy - Qualitative analysis - Research methodologies
Classification code: 723.5 Computer Applications
Computer Applications
- 901.2 Education
Education
- 903.3 Information Retrieval and Use
Information Retrieval and Use
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Database: Compendex

Data Provider: Engineering Village

43. Enterprise Resource Planning and IT governance in perspective: Strategic planning and alignment, value delivery, and controlling

Accession number: 20130716022044
Authors: Bernroider, Edward W.N. (1); Hampel, Alexander (2)
Author affiliation: (1) Institute for Information Business, Vienna University of Economics and B.A., Austria; (2) Department of Computer Science and Business Informatics, University of Vienna, Austria
Corresponding author: Bernroider, E.W.N.(bernroider@wu-wien.ac.at)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 645-649
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This article assesses key aspects of IT governance comprising strategic planning especially alignment, value delivery, and control objectives through an empirical study of Austrian medium sized and large enterprises. Enterprise Resource Planning (ERP) systems are in general seen as key information systems supporting e-business processes. The findings show an underdeveloped IT governance competence in the Austrian market place in particular reflected through low levels of strategic alignment and strategic decision making, as well as missing ERP control procedures. Nevertheless, in term of value delivery a positive impact of ERP in a holistic, multi-dimensional assessment was observed covering ERP benefits, organisational performance effects, and key performance criteria used in an ERP balanced scorecard (BSC).
Number of references: 16
Main heading: Enterprise resource planning
Controlled terms: Decision making - Electronic commerce - Electronics industry - Enterprise resource management - Resource allocation - Strategic planning - Supply chains
Uncontrolled terms: Business infrastructure - Enterprise resource planning systems - IT governance - IT-controlling - Organisational performance - Performance criterion - Strategic alignment - Strategic decision making
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

44. Effective knowledge representation through data modelling approaches

Accession number: 20130716022033
Authors: Kim, Mik (1); Zhang, Wusheng (2)
Author affiliation: (1) Centre for Hospitality and Tourism Research, Victoria University, Melbourne, Australia; (2) Centre for International Corporate Governance Research, Victoria University, Melbourne, Australia
Corresponding author: Kim, M.(mik.kim@vu.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005

Issue date: 2005
Publication year: 2005
Pages: 582-586
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Data modelling can be seen as knowledge representation in terms of sharing the same philosophical assumptions. In data modelling process, the recognition of the philosophical background on human inquiry and the nature of knowledge pertinent for appreciating the problems is important as different ontological views lead to different conceptions about data models. Recognising and incorporating different forms of organisational knowledge are also important in the data modelling process as a formal representation of some subset of the knowledge, which the organisation needs to carry out its business. This paper discusses the two distinct philosophical foundations for the effective representation of organisational knowledge.
Number of references: 17
Main heading: Knowledge representation
Controlled terms: Electronic commerce - Electronics industry - Information analysis - Philosophical aspects - Supply chains
Uncontrolled terms: Formal representations - Modelling process - Organisational knowledge
Classification code: 723.4 Artificial Intelligence
Artificial Intelligence
- 723.5 Computer Applications
Computer Applications
- 903.1 Information Sources and Analysis
Information Sources and Analysis
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

45. Online transactions: Innovative opportunities and strategies

Accession number: 20130716021977
Authors: Furseth, Peder Inge (1)
Author affiliation: (1) Norwegian School of Management BI, Department of Innovation and Economic Organisation, Nydalsveien 37, 0442 Oslo, Norway
Corresponding author: Furseth, P.I.(peder.i.furseth@bi.no)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 224-231
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.

Publisher: CEUR-WS
Abstract: Many companies that have physical channels now also do transactions with consumers online. However, a large part of these companies do not succeed online even if they succeed offline. The literature of explaining and giving advice on such an important challenge is growing, but is still limited. This paper contributes to this field. In this paper eight strategic opportunities are identified when traditional companies go online. These opportunities are based on personal interviews of general managers who have strategic responsibility for implementing the companies' online channel. While most papers focus on the important role of IT to succeed, the unique findings reported in this paper show that cultural and organizational factors are of higher importance. The paper spells out in detail the content of such factors. In an empirical part at the end of the paper data indicates that the focus on cultural and organizational factors do give higher conversion rates and online sales.
Number of references: 9
Main heading: Electronic commerce
Controlled terms: Electronics industry - Supply chains
Uncontrolled terms: Conversion rates - eBusiness - General manager - Online channels - Online transaction - Organizational factors - Physical channels - Strategic opportunity
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

46. E-grocery shopping trends in the U.S.

Accession number: 20130716022045
Authors: Singh, Jay (1); Singh, S. Paul (2); Sonchaeng, Uruchaya (2)
Author affiliation: (1) Orfalea College of Business, California Polytechnic State University, San Luis Obispo, CA 93407, United States; (2) School of Packaging, Michigan State University, East Lansing, MI 48824, United States
Corresponding author: Singh, J.(jasingh@calpoly.edu)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 650-657
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: By June 2002, there were 17 grocers in the U.S. and Canada offering delivery services that allowed customers to order via the Internet or telephone. Withinthese grocers, some such as Peapod and FreshDirect offer services through the Internet without owning any retail store front while some supermarkets like Albertson's, Safeway,Publix and Tesco have developed their online grocery services as another shopping option for their customers. Studying the profile of online grocery shoppers and their behaviors can help businesses to develop and improve their strategies. This paper will discuss the findings from a survey (1516 respondents) on e-grocery in the United States. Responses to such topics as demographics & psychographics, shopping patterns, online shopping experiences, mental, physical and time related considerations, opinions about shopping and buying on the internet and order sizes are discussed.
Number of references: 15
Main heading: Electronic commerce
Controlled terms: Electronics industry - Retail stores - Sales - Supply chains - Surveys

Uncontrolled terms: Consumer survey - Delivery service - Grocery shopping - Online shopping - Operations strategies - Order size
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

47. Study on risks of medical industry E-commerce based on supply chain management

Accession number: 20130716021987
Authors: Liu, Shifeng (1); Tang, Min Cong (2)
Author affiliation: (1) Information Management Department, Beijing Jiaotong University, Beijing, China; (2) Department of Decision Sciences and Managerial Economics, Chinese University of Hong Kong, Hong Kong, Hong Kong
Corresponding author: Liu, S.(Shifeng.liu@263.net)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 299-303
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: From the point of view of cost-reduction and benefit-improvement, this paper puts up with a new E-Commerce mode for the medical industry-E-Commerce based on supply chain management (SCM). At the same time, this paper qualitatively analyzes the risks of the mode, including risk of management, risk of technology, risk of human resource and risk of the mode itself. At last, the paper puts forward a set of risk management models for this E-Commerce mode according to the basic principles pf project management.
Number of references: 9
Main heading: Supply chain management
Controlled terms: Cost reduction - Electronic commerce - Electronics industry - Human resource management - Management - Models - Project management - Risk analysis - Risk assessment - Risk management
Uncontrolled terms: Basic principles - Medical industries - Risk management models - Supply chain managements (SCM)
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 914.1 Accidents and Accident Prevention
Accidents and Accident Prevention
- 922 Statistical Methods
Statistical Methods
Compendex references: YES

Database: Compendex

Data Provider: Engineering Village

48. The novel ICT strategic model for developing of ICT in public universities based on BSC

Accession number: 20130716022069
Authors: Poprom, Ubonsin (1); Praneetpolgrang, Prasong (2); Kitratporn, Preang (1)
Author affiliation: (1) Project Office for Consortium on Doctor of Philosophy Programs, Phranakhon Rajabhat University, 3 Moo 6 Jangwattana Rd., Bangkhen Bangkok, 10220, Thailand; (2) Science (Information Technology), Graduate School, Sripatum University, 61 Phaholyothin Rd, Jatujak, Bangkok, 10900, Thailand
Corresponding author: Poprom, U.(ubonsin@yahoo.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 777-780
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The purposes of this research were to evaluate Information and Communication Technology (ICT) management of public universities in Thailand using balance scorecard (BSC) and to develop key performance indicators (KPIs) of ICT in order to develop new ICT strategic model. This proposed model provide some guidelines to improve Investment and worthwhile ICT management and to conform with strategies of universities. The research methodology were both qualitative and quantitative research. The findings of this research showed how universities have been developed ICT as strategic management and the efficiency of ICT management. Further more, the specific KPIs have been created to measure and follow up the use of ICT. Then, the proposed ICT strategic model could apply to other public organization.
Number of references: 16
Main heading: Electronics industry
Controlled terms: Benchmarking - Electronic commerce - Supply chains
Uncontrolled terms: Information and Communication Technologies - Key performance indicators - KPIs - Public organizations - Quantitative research - Research methodologies - Strategic management - Strategic modeling
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

49. A lagrangean relaxation based scheme for allocation of bandwidth

Accession number: 20130716021968
Authors: Bose, Indranil (1)
Author affiliation: (1) Meng Wah Complex School of Business, University of Hong Kong, Pokfulam Road, Hong Kong, Hong Kong
Corresponding author: Bose, I.(bose@business.hku.hk)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 167-171
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: In this paper we study the bandwidth packing problem in the presence of priority classes. The bandwidth packing problem is defined as the selection and routing of messages from a given list of messages with prespecified requirements on demand for bandwidth. The messages have to satisfy delay constraints and have to be routed over a network with given topology so that the revenue generated from routing these messages is maximized. Messages to be routed are classified into two priority classes. An integer programming based formulation of this problem is proposed and a Lagrangean relaxation based methodology is described for solving this problem. Several numerical experiments are conducted using a number of problem parameters such as percentage of messages, ratio of messages of lower to higher priority, capacity of links and high quality solutions to the bandwidth packing problem are generated under the different situations.
Number of references: 8
Main heading: Bandwidth
Controlled terms: Electronic commerce - Electronics industry - Integer programming - Supply chains
Uncontrolled terms: Delay constraints - Heuristic - High-quality solutions - Lagrangean Relaxation - Numerical experiments - Optimization under uncertainty - Packing problems - Problem parameters
Classification code: 716.1 Information Theory and Signal Processing
Information Theory and Signal Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.5 Optimization Techniques
Optimization Techniques
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

50. A project-based model for implementing BPR

Accession number: 20130716022077
Authors: Ling, Hong (1); Yuan, Wei (1); Xu, Zhengchuan (1)
Author affiliation: (1) Department of Management Information System, Fudan University, Shanghai, China
Corresponding author: Ling, H.(hling@fudan.edu.cn)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 819-826
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005

Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Business process reengineering (BPR) is an outstanding management theory but with a high failure rates of 70%. One of the major problems in many BPR efforts is lacking of a disciplined method to model business process. In addition, the implementation methodologies in past literature and famous consulting firms were incomplete, and lack of practical experience or academic foundation. After analyzing and comparing the pros and cons of several representative BPR implementation methodologies, this study proposes a new methodology which combines previous academic outcomes and practical experience in consulting firms. Based on a hands on project, the detailed approaches, targets, needful materials, and expected results of each stage are elaborated as well as the commonly used BPR techniques and tools. Furthermore, the innovative methods and steps in this methodology which ensure the success of the project are discussed.
Number of references: 11
Main heading: Reengineering
Controlled terms: Electronic commerce - Electronics industry - Failure analysis - Supply chains
Uncontrolled terms: BPR implementation - Business process re-engineering - Implementation methodology - Innovative method - Methodology - Practical experience - Process reengineering - Techniques and tools
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.3 Quality Assurance and Control
Quality Assurance and Control
Numerical data indexing: Percentage 7.00e+01%
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

51. A proposed framework for influencing factors of partnership in e-Taiwan collaborative commerce

Accession number: 20130716021953
Authors: Lin, Hsueh-Foo (1); Huang, Feng-Ling (1); Lin, Meng-Yu (1)
Author affiliation: (1) Department of Information Management, National Pingtung Institute of Commerce, 51 Min Sheng E. Road, Pingtung 900, Taiwan
Corresponding author: Lin, H.-F.(sherry@npic.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 59-62
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper attempts to integrate concepts of a collaborative commerce and inter-organizational relationship to build a framework for influencing factors of e-Taiwan collaborative commerce partnership and empirically explore it. The importance for five dimensions of the Research Model based on seven top representatives of interviewed six Taiwanese companies engaged in E-Taiwan is summarized. Statistical analysis is used to decide which factors are

vital for the success in three phases of partnership in e-Taiwan. Data are collected through a survey of organizations that are actively involved in the planning or operation of E-Taiwan collaborative commerce. The result has been shown the influencing factors are not the same in three phases of partnership in this collaborative commerce. It implies that to manage a collaborative commerce must have different strategies to select, develop, and maintain participants.
Number of references: 17
Main heading: Electronics industry
Controlled terms: Electronic commerce - Supply chains
Uncontrolled terms: Collaborative commerce - Inter-organizational relationships - Partnership - Research models - Three phasis
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

52. User acceptance of mobile payments: A theoretical model for mobile payments

Accession number: 20130716022040
Authors: Chen, Jiajun Jim (1); Adams, Carl (1)
Author affiliation: (1) University of Portsmouth, Portsmouth, PO1 3AE, United Kingdom
Corresponding author: Chen, J.J.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 619-624
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Mobile payment refers to the use of mobile devices to conduct payment transactions. Users can use mobile devices for remote and proximity payments; moreover, they can purchase digital contents and physical goods and services. It offers an alternative payment method for consumers. However, there are relative low adoption rates in this payment method. This research aims to identify and explore key factors that affect the decision of whether to use mobile payments. Two well-established theories, the Technology Acceptance Model (TAM) and the Innovation Diffusion Theory (IDT), are applied to investigate user acceptance of mobile payments. Survey data from mobile payments users will be used to test the proposed hypothesis and the model.
Number of references: 44
Main heading: Electronic money
Controlled terms: Digital devices - Electronics industry - Global system for mobile communications - Mobile telecommunication systems - Supply chains
Uncontrolled terms: Digital contents - Innovation diffusion theory - LISREL - Mobile payment - Payment transactions - Technology acceptance model - Theoretical modeling - User acceptance
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing

Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

53. A mining-based system framework for deploying knowledge maps of composite e-services

Accession number: 20130716022062
Authors: Lee, Jia-Yuan (1); Lee, Chun-Feng (1); Ke, Chih-Kun (1); Liu, Duen-Ren (1)
Author affiliation: (1) Institute of Information Management, National Chiao Tung University, Hsinchu 300, Taiwan
Corresponding author: Lee, J.-Y.(clay@iim.nctu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 742-746
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Providing e-services and composite e-services on the Internet is an important trend of e-business. Composite e-services are complex processes which consist of various e-services provided by different e-service providers. In such complex environments, the flexibility and success of e-business depend on effective knowledge supports to access related information and resources of composite e-services. This work proposes a knowledge map platform to provide an effective knowledge support for utilizing composite e-services. A mining-based system framework is proposed to construct the knowledge map. Moreover, the proposed knowledge map is integrated with recommendation capability to provide users customized decision support in utilizing composite e-services.
Number of references: 21
Main heading: Electronics industry
Controlled terms: Chemical analysis - Decision support systems - Electronic commerce - Knowledge representation - Supply chains
Uncontrolled terms: Complex environments - Complex Processes - Decision supports - E- services - eBusiness - Knowledge map - Knowledge supports - System framework
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

54. Building ubiquitous computing environment by using RFID in aircraft MRO process

Accession number: 20130716021945
Authors: Ku, Cheng-Yuan (1); Chang, Yi-Wen (1); Lu, Mi-Cheng (1); Chiu, Shu-Fang (1)
Author affiliation: (1) Department of Information Management, National Chung Cheng University, 168, University Rd., Min-Hsiung, Chia-Yi, Taiwan
Corresponding author: Ku, C.-Y.(cooperku@mis.ccu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 7-10
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The implementation of RFID had aroused discussion in every area. Experts believe that the emergence of RFID will cause another business revolution. Many industries had deployed RFID, like aviation industry, in which RFID is used in maintenance materials and baggage management. This paper discusses the implementation of RFID in MRO process and the building of a ubiquitous computing environment. We believe that our proposal has three merits to MRO (1) anti-counterfeit parts (2) MRO liability (3) efficient and effective inspection. The architecture can address the competition pressure that aviation industry faces and consequently enhance competition advantages.
Number of references: 12
Main heading: Ubiquitous computing
Controlled terms: Aircraft - Civil aviation - Competition - Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Anti-counterfeit - Aviation industry - E- services - Mobile - Personalized - Ubiquitous computing environment
Classification code: 431.1 Air Transportation, General
Air Transportation, General
- 652.1 Aircraft, General
Aircraft, General
- 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

55. Rough set approaches to the problem of supplier selection

Accession number: 20130716021965
Authors: Wang, Shi-Jing (1); Hu, Hua-An (1)
Author affiliation: (1) Procurement Department, Wuhan Institute of Economics, Luojiadun 122, Wuhan, 430035, China
Corresponding author: Wang, S.-J.(wsj_1979@yahoo.com.cn)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 144-149
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005

Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The data mining approach of rough set theory is being adopted to study the multi-index question of supplier's evaluation and determination in order to reveal the determining rules hidden in the historical evaluative data. After introducing some basic notions of rough set theory, this paper uses a sample to tell the steps of the deducing process in detail, and figures out some satisfying rules of supplier's determination and weights of various attribute's indexes which have been compared to other methods after the calculation. All of these illustrate the method of rough set theory can be used in the area of supplier's selection and solve them with great efficiency.
Number of references: 6
Main heading: Rough set theory
Controlled terms: Data mining - Decision support systems - Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Decision supports - Group systems - Multi-index - Supplier selection
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.4 Combinatorial Mathematics, Includes Graph Theory, Set Theory
Combinatorial Mathematics, Includes Graph Theory, Set Theory
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

56. The WebQuality Analyser: Benchmarking industry websites

Accession number: 20130716022073
Authors: Hamilton, John (1); Wybrow, Roy (1)
Author affiliation: (1) James Cook University, Cairns, 4870, Australia
Corresponding author: Hamilton, J.(John.Hamilton@jcu.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 795-803
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The structure and layout of various websites across a wide spectrum of service industries was analysed using the WebQuality Analyser (WQA). The WQA incorporated forty five critical success elements delivered by quality on-line websites. These success elements covered information technology (IT) and marketing-services related sectors, and were further divided into five key drivers encapsulating each sector. Each sector driver was then divided into four or five customer-enabler features (covering structure and function), each with several feature components. A present / absent approach determined each component. A seven-point, Likert scale encapsulated the relative presence of the features of each driver. Although it houses both measurable and subjective components, the WQA offers a useful means to compare relevant websites, and to understand the differences with respect to one's competitors. Further investigation of the specific on-line driver ratings demonstrated where key competitive advantage may reside. This benchmarking tool defined website strengths and weaknesses thereby allowing for corrections to the website structure

of the specific business. This paper introduces the WQA, and reports on the marketing-services sector of this new benchmarking tool.
Number of references: 81
Main heading: Service industry
Controlled terms: Benchmarking - Competition - Electronic commerce - Electronics industry - Marketing - Supply chains - Websites
Uncontrolled terms: Analysis - Benchmarking tools - Compare - Competitive advantage - Covering structures - Service operations - Service value network - Services sectors
Classification code: 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 911.4 Marketing
Marketing
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

57. A Web-Services-based P2P computing-power sharing architecture

Accession number: 20130716021967
Authors: Wang, Chen-Sheng (1); Yang, Po-Yu (1); Tsai, Min-Jen (1)
Author affiliation: (1) Institute of Information Management, National Chiao Tung University, 1001 Ta Hsueh Road, Hsinchu, Taiwan
Corresponding author: Wang, C.-S.(cswang.iim92g@nctu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 156-166
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: As demands of data processing and computing power are increasing, existing information system architectures become insufficient. Some organizations try to figure out how to keep their systems work without purchasing new hardware and software. Therefore, a Web-services-based model which shares the resource over the network like a P2P network will be proposed to meet this requirement in this paper. In addition, this paper also discusses some problems about security, motivation, flexibility, compatibility and workflow management for the traditional P2P power sharing models. Our new computing architecture - Computing Power Services (CPS) - will aim to address these problems. For the shortcomings about flexibility, compatibility and workflow management, CPS utilizes Web Services and Business Process Execution Language (BPEL) to overcome them. Because CPS is assumed to run in a reliable network where peers trust each other, the concerns about security and motivation will be negated. In essence, CPS is a lightweight Web-Services-based P2P power sharing environment and suitable for executing computing works in batch in a reliable network.
Number of references: 14
Main heading: Web services
Controlled terms: Computer architecture - Data handling - Electronic commerce - Electronics industry - Motivation - Network architecture - Peer to peer networks - Supply chains - Websites - Work simplification

Uncontrolled terms: Business Process Execution Language - Computing architecture - Computing power - Hardware and software - Information system architecture - Network likes - Reliable Networks - Workflow managements
Classification code: 722 Computer Systems and Equipment
Computer Systems and Equipment
- 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

58. Strategies for B2B Electronic Markets: Delivering business value to buyers and sellers

Accession number: 20130716021971
Authors: Lee, Chia Yao (1)
Author affiliation: (1) School of Information Systems, Deakin University, Melbourne, Australia
Corresponding author: Lee, C.Y.(chia.lee@deakin.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 187-192
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper discusses the key elements of effective and successful strategies for organisations engaging in Business-to-Business (B2B) Electronic Markets. Existing literature have concentrated on developing schemas for categorising B2B Electronic Markets, and evaluating the innovative business models they employ, with less focus on understanding the business value of B2B Electronic Markets from a multi-stakeholder, business strategy perspective. In the present business climate, business managers and executives are keen to discover strategies to maximise performance improvements associated with ICT adoption. Based on case studies of B2B Electronic Markets, this paper discusses the importance of (i) creating and distributing business value among the various stakeholders, (ii) determining a pragmatic approach for engaging in B2B Electronic Markets, and (iii) managing the transformation of business processes associated with B2B Electronic Markets. The study contributes to practice and research by presenting rich empirical insights into the operations of B2B Electronic Markets, and providing suggestions for future research in the topic area.
Number of references: 21
Main heading: Electronics industry
Controlled terms: Electronic commerce - Strategic planning - Supply chains
Uncontrolled terms: Business managers - Business strategy - Business to business - Business value of it - Buyers and sellers - eBusiness - Electronic market - Multi-stakeholder
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management

Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

59. Feature reduction for product recommendation in Internet shopping malls

Accession number: 20130716021963
Authors: Ahn, Hyung Jun (1); Kim, Jong Woo (2)
Author affiliation: (1) Department of Management Systems, Waikato Management School, University of Waikato, New Zealand; (2) Department of Management, Hanyang University, Seoul, Korea, Republic of
Corresponding author: Ahn, H.J.(hjahn@waikato.ac.nz)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 132-137
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: One of the widely used methods for product recommendation in Internet shopping malls is matching product features against customers' profiles. In this method, it is very important to choose suitable set of features for recommendation efficiency and performance, which has, however, not been rigorously researched so far. In this paper, we build a data set collected from a virtual Internet shopping experiment and adapt and apply feature reduction techniques from pattern matching and information retrieval fields to the data to analyze recommendation performance. The analysis shows that the application of SVD (Singular Value Decomposition) can be the best among the applied methods for recommendation performance.
Number of references: 18
Main heading: Singular value decomposition
Controlled terms: Data mining - Electronic commerce - Electronics industry - Pattern matching - Shopping centers - Supply chains
Uncontrolled terms: Content based filtering - E- services - Internet shopping - Internet shopping malls - Product recommendation - Recommendation efficiency - Recommendation performance - SVD(singular value decomposition)
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921 Mathematics
Mathematics
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

60. A proposed model of the effects of IT diffusion on organizational absorptive capacity and CRM innovation success

Accession number: 20130716021954
Authors: Chen, Ja-Shen (1); Ching, Russell K.H. (2); Legorreta, Leonardo (2)
Author affiliation: (1) Yuan Ze University, 135, Far-East Rd., Chung-Li, Taoyuan, Taiwan; (2) California State University, Sacramento, 6000 J Street, Sacramento, CA 95819-6088, United States
Corresponding author: Chen, J.-S.(jchen@saturn.yzu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 63-70
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Business to customer (B2C) e-business has opened many new opportunities for businesses. In response to studies that underscore the importance of maintaining strong and learning relationship between the organization and customer, many have turned to customer relationship management (CRM) to manage their interactions with their customers and other external entities. Although IT enables CRM, other organizational factors, such as organizational absorptive capacity's effect on innovativeness, may have greater impact on its ability to continually satisfy the business' customer needs and expectations. However, IT may be a critical element to both absorptive capacity and innovation. This study examines the relationship between IT diffusion, organizational absorptive capacity and innovation, and proposes a research model. A clearer understanding of these relationships will provide businesses a means to appropriately direct their investments in IT and absorptive capacity.
Number of references: 47
Main heading: Electronics industry
Controlled terms: Customer satisfaction - Diffusion - Electronic commerce - Public relations - Sales - Supply chains
Uncontrolled terms: Absorptive capacity - Business to customers - Critical elements - Customer relationship management - Information technology diffusion - Investments in IT - Organizational factors - Research models
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

61. Contextual bundling and E-commerce: Strategizing for online bundle formulation

Accession number: 20130716021951
Authors: Mittal, Gaurav (1)
Author affiliation: (1) Nokia Corporation, Finland
Corresponding author: Mittal, G.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005

Publication year: 2005
Pages: 47-53
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Bundling has emerged as a key issue in current marketing and online business thinking. By extending contemporary conceptualizations, this paper proposes a new approach to bundling for both marketing of products and services in E-commerce. It reviews the literature on both bundling and consumer product evaluations and puts forward a new approach. It demonstrates that contextual bundling can constitute the strategic core of a company utilizing E-commerce for its business; at least if the firm's primary goal is to maximize the opportunities of attracting valuable customers, online content purchase and its consumption. This research carries forward some results from previous studies, while it finds other prior results to be questionable. Shows that strategic implications of online bundle formulation is only partially explained in terms of a price or product focus, which is where most of the previous research has concentrated on. A context specific price or product bundling focus can have more strategic implications than a simple price or product focus on consumer purchase evaluations. Businesses must define bundling through an in-depth appraisal of the actual contextual experience of the customers, rather than focusing solely on reservation prices, which is where previous literature has put maximum emphasis.
Number of references: 32
Main heading: Electronic commerce
Controlled terms: Consumer products - Electronics industry - Purchasing - Sales - Supply chains
Uncontrolled terms: Bundling (marketing) - Collaborative commerce - Consumer perception - Consumer purchase - Product evaluation - Products and services - Reservation price - Strategy
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

62. Why do people share music files in the P2P environment: An ethical decision perspective

Accession number: 20130716022002
Authors: Shang, Rong-An (1); Chen, Yu-Chen (1); Chen, Pin-Cheng (1)
Author affiliation: (1) Department of Business Administration, Soochow University, No 56, Section 1, Kuei Yang Street, Taipei, 100, Taiwan
Corresponding author: Shang, R.-A.(rashang@scu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 392-399
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong

Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Digitalized information and the Internet have brought great impacts on the music and movies industries. This study tested the ethical decision model of Hunt-Vitell to understand why and how people share unauthorized music files with others in the P2P network. Four scenarios of using P2P system and four norms related to them were proposed in the study. The results indicate that the deontological norm of anti-piracy, whether is theft of intellectual property or not, is not the main factors affecting P2P users' ethical consideration regarding sharing music with others. The results also suggest the music companies should care more about how to realize the benefits of the digital and network technology to increase the consumers' welfare instead of just declare the intellectual property they owned and resist the innovations caused by the new technologies.
Number of references: 29
Main heading: Peer to peer networks
Controlled terms: Electronic commerce - Electronics industry - Intellectual property - Philosophical aspects - Supply chains
Uncontrolled terms: Computer ethics - Decision modeling - Ethical considerations - Music files - Music industry - Network technologies - P2P computing - P2P environment
Classification code: 722 Computer Systems and Equipment
Computer Systems and Equipment
- 723.5 Computer Applications
Computer Applications
- 902.3 Legal Aspects
Legal Aspects
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

63. Small tourism accomodation distribution patterns in Canada

Accession number: 20130716022003
Authors: Gilbert, David (1); Hudson, Simon (2)
Author affiliation: (1) Department of Marketing, School of Management, University of Surrey, Guildford, Surrey, GU2 7XH, United Kingdom; (2) Haskayne School of Business, University of Calgary, 2500 University Drive NW, Calgary, AB, T2N 1N4, Canada
Corresponding author: Gilbert, D.(D.Gilbert@surrey.ac.uk)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 400-405
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: A review of the previous research on small businesses in tourism and hospitality shows a growing interest in Internet marketing. However, the research that exists is contradictory. On the one hand, some researchers suggest that because the entry barriers are low, it is cost effective for small businesses to set up an Internet presence, which helps level the playing field between small and large firms [18]; [21]. However, other researchers indicate that ecommerce is not being adopted as readily by small tourism and hospitality businesses as one might have expected

[17]; [6]; [31]. Clearly, more research is required in this area regarding Internet usage in small tourism and hospitality businesses. This study will therefore examine small businesses (less than 50 employees) - specifically Bed and Breakfasts (B&Bs) - to develop theories identifying factors that facilitate and inhibit the adoption and implementation of Internet technology in the accommodation sector.
Number of references: 32
Main heading: Electronics industry
Controlled terms: Cost effectiveness - Electronic commerce - Internet - Marketing - Supply chains - Tourism
Uncontrolled terms: Accommodation sectors - Distribution patterns - Internet marketing - Internet technology - Internet usage - Online surveys - Playing fields - Small business
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 911.4 Marketing
Marketing
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

64. A refinery of an internet-based search tool - Exploring perceptions from Information Systems practitioners

Accession number: 20130716022095
Authors: Chau, Michael (1); Chan, Ivy (2)
Author affiliation: (1) School of Business, Faculty of Business and Economics, University of Hong Kong, Pokfulam, Hong Kong; (2) Department of Decision Science and Managerial Economics, Chinese University of Hong Kong, Shatin, New Territories, Hong Kong
Corresponding author: Chau, M.(mchau@business.hku.hk)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 947-951
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: In today's dynamic business environment, the capability to understand the needs and responses of stakeholders is critical as such management can devise effective plans and course of actions for long-term strategies. The advancement of the internet and its related search tools such as Google, has helped management to collect various information in order to keep abreast of time of business environment and their business communities. Yet, the management has encountered problem and uncertainty on the information quality such as content, currency, accuracy and presentation. Therefore, a new backlink search tool, namely Redips was developed. This tool has been tested by students subjects with satisfaction. However, in order to gain acceptance from the management (i.e., the end-users), the perceptions and expectations on the tool should not be overlooked. This study presents a wide range of perceptions from a group of Information Systems practitioners on the potential use of Redips.

Number of references: 12
Main heading: Search engines
Controlled terms: Electronic commerce - Electronics industry - Environmental management - Information systems - Information use - Supply chains
Uncontrolled terms: Business community - Business environments - Course of action - Dynamic business environment - Information quality - Information Systems Practitioners - Internet based - Long-term strategy
Classification code: 454.1 Environmental Engineering, General
Environmental Engineering, General
- 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 903.3 Information Retrieval and Use
Information Retrieval and Use
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

65. Knowledge management in information technology help desk: Past, present and future

Accession number: 20130716022027
Authors: Leung, Nelson K.Y. (1); Lau, Sim Kim (1)
Author affiliation: (1) School of Economics and Information Systems, University of Wollongong, Wollongong, NSW, 2522, Australia
Corresponding author: Leung, N.K.Y.(knl164@uow.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 538-545
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Information technology has changed the way organizations function. This resulted in the reliance of help desks to deal with information technology related areas such as hardware, software, and telecommunication. Besides, the adoption of business process reengineering and downsizing have led to the shrinkage of the size of help desk. The shorter information technology product life cycle has worsened the situation by increasing the already sizeable help desk's user base. Consequently, the help desk has to cover more information technology products and resolute more technical enquiries with less staff. Thus, the outcome is clear that users have to wait comparably longer before help desk staff is available to offer assistance. This paper describes the contribution of knowledge management in retaining knowledge and solving "knowledge leaking" problem. The research presents the development of user selfhelp knowledge management system to re-distribute incoming enquiries so that simple and routine technical enquiries can be resolved without help desk intervention.
Number of references: 27
Main heading: Knowledge management
Controlled terms: Electronic commerce - Electronics industry - Knowledge based systems - Life cycle - Reengineering - Research and development management - Supply chains

Uncontrolled terms: Business process re-engineering - Help Desk - Information technology products - Knowledge management system
Classification code: 723.4.1 Expert Systems
Expert Systems
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.3 Quality Assurance and Control
Quality Assurance and Control
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

66. Analyzing the role of interorganizational systems on coordination cost between firms

Accession number: 20130716021988
Authors: Zhang, Geng (1); Liu, Zhenyu (1)
Author affiliation: (1) Department of Management Science, Xiamen University, Xiamen, 361005, China
Corresponding author: Zhang, G.(zhanggeng001@126.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 304-307
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: It is believed that the adoption of Interorganizational systems (IOS) can enable organization to use the information processing capabilities to reduce coordination costs and improve performance. However, the past researches have shown mixed results about the impact of IOS on coordination costs. While drawing on transaction cost analysis, this paper suggests that analyzing the association of IOS use and coordination costs of interorganizations should consider different levels of asset specificity. To illustrate the explanatory power of this analysis, this paper presents a case study from China. The findings from the case study show that, when asset specificity is high, IOS use can reduce coordination costs for monitoring or cooperative purpose. While under a condition of low asset specificity, the association between IOS use and coordination costs is negative.
Number of references: 18
Main heading: Cost benefit analysis
Controlled terms: Cost reduction - Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Asset specificity - Coordination costs - Explanatory power - Improve performance - Information processing capability - Inter-organizational systems - L-systems - Transaction cost analysis
Classification code: 723.5 Computer Applications
Computer Applications
- 911 Cost and Value Engineering; Industrial Economics
Cost and Value Engineering; Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing

Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

67. The FZ strategy to compress the bitmap index for data warehouses

Accession number: 20130716021962
Authors: Chang, Ye-In (1); Lin, Chien-Show (1); Chen, Hue-Ling (1)
Author affiliation: (1) Dept. of Computer Science and Engineering, National Sun Yat-Sen University, Kaohsiung, Taiwan
Corresponding author: Chang, Y.-I.(changyi@cse.nsysu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 125-131
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Data warehouses contain data consolidated from several operational databases and provide the historical, and summarized data which is more appropriate for analysis than detail, individual records. Fast response time is essential for on-line decision support. A bitmap index could reach this goal in read-mostly environments. For the data with high cardinality in data warehouses, a bitmap index consists of a lot of bitmap vectors, and the size of the bitmap index could be much larger than the capacity of the disk. The WAH strategy has been presented to solve the storage overhead. However, when the bit density and clustering factor of 1's increase, the bit strings of the WAH strategy become less compressible. Therefore, in this paper, we propose the FZ strategy which compresses each bitmap vector to reduce the size of the storage space and provide efficient bitwise operations without decompressing these bitmap vectors. From our performance simulation, the FZ strategy could reduce the storage space more than the WAH strategy.
Number of references: 24
Main heading: Digital storage
Controlled terms: Data warehouses - Decision support systems - Electronic commerce - Electronics industry - Energy storage - Supply chains - Vector spaces
Uncontrolled terms: Bitmap indexes - Bitwise operations - Compress - Fast response time - OLAP - Online decisions - Operational database - Performance simulation
Classification code: 525.7 Energy Storage
Energy Storage
- 722.1 Data Storage, Equipment and Techniques
Data Storage, Equipment and Techniques
- 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921 Mathematics
Mathematics
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

68. Account based mobile payment by Diffie-Hellman key exchange protocol

Accession number: 20130716022041
Authors: Sue, Kuen-Liang (1); Wu Jr., Wen (1)
Author affiliation: (1) Department of Information Management, National Central University, Jhongli City, Taoyuan County, Taiwan
Corresponding author: Sue, K.-L.(klsue@mgt.ncu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 625-630
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: With the development on techniques of mobile communication, the daily activities benefit from these techniques more than ever. In order to make living more convenient, the mobile payment has been brought up in recent years. The consideration for carrying out the mobile payment is very difference from that in the wired electronics payment scheme because of the characteristics of mobile device. In this article we develop a mobile payment scheme that is based on reducing the operation of the device, and furthermore achieves the demands of security. It can create the session key for each transaction by means of using the "Diffie-Hellman key exchange" protocol. The use of the Message Authentication Code (MAC) can achieve the integrity of electronic commerce. Both of them do not need a large number of operations and complex algorithm so it can achieve the purposes of this investigation: a secure, convenient and light-computation scheme for mobile payment.
Number of references: 17
Main heading: Mobile telecommunication systems
Controlled terms: Authentication - Electronic money - Electronics industry - Global system for mobile communications - Supply chains
Uncontrolled terms: Authentication codes - Diffie-Hellman key exchange - Diffie-Hellman key exchange protocol - E finances - Key exchange - Message authentication codes - Mobile communications - Mobile payment
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

69. Minimizing the sum of squared errors in seasonally-adjusted, trend-enhanced, exponential-smoothing forecasting

Accession number: 20130716022048
Authors: Co, Henry C. (1)
Author affiliation: (1) Technology and Operations Management, California Polytechnic and State University, 3801 W. Temple Ave., Pomona. CA 91768, United States
Corresponding author: Co, H.C.(hco@csupomona.edu)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 667-671
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Every business seeks to correctly anticipate how much of which products it must manufacture, and where to deliver them, to satisfy the requirements of its customers, as well as its own requirements for growth and profitability. Since the forecast of demand is the cornerstone of all other, subsequent planning, errors become very costly very quickly. This paper presents an optimization model for determining the smoothing constants and initial estimates of level, trend, and seasonality indices in Winter's exponential smoothing forecasting model. The objective is to minimize the sum of squared forecast errors. An Excel template is available for download from the author's website. The template has builtin macros to perform all calculations. Instructions on how to use the template are included in the template.
Number of references: 11
Main heading: Electronics industry
Controlled terms: Customer satisfaction - Electronic commerce - Errors - Forecasting - Supply chains
Uncontrolled terms: Exponential smoothing forecasting - Growth and profitability - Initial estimate - Optimization modeling - Seasonality index - Smoothing constant - Sum of squared errors - Winter's exponential smoothing
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

70. E-Connectivity as an enabler for dynamically networked supply chains - Exploratory research findings

Accession number: 20130716022093
Authors: Ogulin, Robert (1); Selen, Willem (1)
Author affiliation: (1) Macquarie Graduate School of Management, Macquarie University, NSW 2109, Australia
Corresponding author: Ogulin, R.(robert.ogulin@lucis.com.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 936-943
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358

Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Dynamic markets require that supply chain partners work together in a timely and efficient manner. This paper introduces e-Connectivity, a construct describing how technology and process standards enable cross-company collaboration amongst partners in the networked supply chain. The paper highlights the collaborative and often short-term relationships where partners coordinate their mutual capabilities to address a transitory, but important, business opportunity in order to achieve collectively beneficial outcomes. Through a literature review and exploratory interviews, the paper proposes and defines the construct of the dynamically networked supply chain. It then introduces how information technology and related processes enable dynamic collaborative practices in the supply chain. Subsequently, e-Connectivity is discussed as a key success factor in the development and deployment of informally networked supply chains. Further empirical validation and testing may reveal that informal coordination in networked supply chains, enabled by e-Business, is an important capability that impacts the operational effectiveness and competitive advantage of a firm.
Number of references: 40
Main heading: Supply chains
Controlled terms: Competition - Electronic commerce - Electronics industry
Uncontrolled terms: Business opportunities - Collaborative practices - Competitive advantage - Empirical validation - Exploratory research - Key success factors - Operational effectiveness - Supply chain partners
Classification code: 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

71. E-business in Lithuania transport sector: Current situation and challenges ahead

Accession number: 20130716021975
Authors: Gatautis, Rimantas (1); Damaskopoulos, Panagiotis (2); Seltsikas, Philip (3)
Author affiliation: (1) Electronic Business Research Center, Kaunas University of Technology, Kaunas, LT 44309, Lithuania; (2) European Institute of Interdisciplinary Research, Paris, 100084, France; (3) Takis, University of Surrey, School of Management, Guildford, GU2 7XH, United Kingdom
Corresponding author: Gatautis, R.(Rimantas.Gatautis@ktu.lt)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 216-218
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Lithuania has a well-developed transportation system. Its geographically strategic position is very important to European transport corridors. In Lithuania, there are various important factors that contribute to shaping the sector's characteristics - lack of knowledge, a low level of computerization and Internet usage - that cause 'e-business possibilities' not to be used. An appropriate analysis of effective e-business usage for the development of competitive advantage between transportation companies is a very important task which requires theoretical grounding and research of practical possibilities. The purpose of paper is to analyze the use of e-business in Lithuania's

transportation companies. The survey was supposed to act as a guideline to the future of Internet usage in the Lithuanian transportation industry. The survey tried to find out considerations about the Internet, how it had affected their business and activities and what might happen in the future.
Number of references: 6
Main heading: Electronics industry
Controlled terms: Competition - Electronic commerce - Supply chains - Surveys
Uncontrolled terms: Competitive advantage - Current situation - Internet usage - Lithuania - Transport corridors - Transport sectors - Transportation industry - Transportation system
Classification code: 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

72. Consensus of corporate e-Learning system stakeholders regarding the satisfaction of end-users

Accession number: 20130716021996
Authors: Kim, Jae-Sik (1); Yang, Hee-Dong (2); Um, Hye-Mi (2); Kang, Hye-Seung (2)
Author affiliation: (1) Samil PricewaterhouseCoopers, Seoul, Korea, Republic of; (2) College of Business Adimin, Ewha Womans University, Seoul, Korea, Republic of
Corresponding author: Yang, H.-D.(hdyang@ewha.ac.kr)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 355-361
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The purpose of this study is to call attention to the consensus of stakeholders of corporate e-Learning system regarding success. We identified the critical success factors (contents, technical features, management, and organizational support) as major components of corporate e-Learning systems and questioned whether stakeholders' consensus on the importance of these components facilitates the implementation of these components to achieve good quality or well. We also questioned whether the influence of these components on user satisfaction could be moderated by contextual factors. Based on empirical testing of 18 e-Learning user companies, we verified that the consensus of stakeholders regarding the importance of content, technological features, and organizational support has a positive influence on the perceived quality of these factors in their e-Learning systems, which in turn is positively related to user satisfaction. The learning subjects and learning style did significantly moderate the influences of these perceived qualities on user satisfaction.
Number of references: 25
Main heading: Learning systems
Controlled terms: E-learning - Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Consensus of stakeholders - Contextual factors - Corporate e-learning - Critical success factor - Organizational support - Technical features - Technological feature - User satisfaction

Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

73. Exploring customer preferences on mobile services

Accession number: 20130716022043
Authors: Baek, Seung (1); Kang, Jinwoo (1); Hong, Woosuk (1)
Author affiliation: (1) College of Business Administration, Hanyang University, Seoul, Korea, Republic of
Corresponding author: Baek, S.(sbaek@hanyang.ac.kr)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 642-644
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Designing mobile services is fundamentally different than designing online services. Not only are there differences in underlying technologies, but also in the way people use services. If these differences are not taken into account, mobile services are likely to fail. If mobile services do not deliver what people want, these services will fail no matter how excellent the underlying technology is. The user interface design that is commonly used in mobile services is based on multi-layered approach, which is not very user friendly. So a well designed single layered user interface will be more user friendly than the conventional one and it will be having edge over others. However, it is quite difficult to provide a single layered user interface in a small screen. This study aims at examining how user interface design attributes of mobile services affect customer preferences. In order to explore customer preferences to each design attribute, we measure customer's WTP (Willingness To Pay) toward different interface designs.
Main heading: User interfaces
Controlled terms: Electronic commerce - Electronics industry - Mobile telecommunication systems - Sales - Supply chains
Uncontrolled terms: Customer preferences - Design attributes - Interface designs - Mobile service - Multi-layered approach - On-line service - User interface designs - Willingness to pay
Classification code: 722.2 Computer Peripheral Equipment
Computer Peripheral Equipment
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Database: Compendex

Data Provider: Engineering Village

74. Structures and technologies for stepwise implementation of adaptive supply chain

Accession number: 20130716022091
Authors: Davidrajuh, Reggie (1); Dhayalan, Velauthapillai (2)
Author affiliation: (1) Electrical and Computer Engineering, University of Stavanger, Norway; (2) Computer Science, Bergen University College, Norway
Corresponding author: Davidrajuh, R.(Reggie.Davidrajuh@uis.no)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 925-928
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Falling margins, globalization, and accelerating innovation cycles are forcing businesses to switch from traditional (linear and sequential) supply chains to adaptive supply chain that possess the flexibility needed to respond to the environment in real time. As adaptive supply chains are large and complex, they are built step-wise using structures; structures are a well-defined portion of the system, with carefully defined inputs, outputs, and functions. In addition, the structures must follow common standards, based on common architecture for seamless integration with the rest of the components. In this paper, first, we present the problem of implementing a new iterative-based distribution chain that has four distinctive modules. Second, we present a survey of commonly used structures in some of the well-known modern supply chain solutions (e.g. stages in SAP, layers in HP Real Time Supply Chain, modules in i2 Six/IBM) is presented. Third, by going through the structures, we present an optimal solution for implementation of the adaptive distribution chain.
Number of references: 6
Main heading: Supply chains
Controlled terms: Adaptive systems - Electronic commerce - Electronics industry - Silicon compounds - Structures (built objects)
Uncontrolled terms: Common architecture - Design and Development - Distribution chains - Innovation cycles - Optimal solutions - Real time supply chain - Seamless integration - Supply chain solutions
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

75. How smart card technology could be used for dynamic pricing in transportation network?

Accession number: 20130716021972
Authors: Li, Ting (1); Van Heck, Eric (1); Vervest, Peter (1)
Author affiliation: (1) Department of Decision and Information Sciences, Rotterdam School of Management, Erasmus University, Netherlands
Corresponding author: Li, T.(tli@rsm.nl)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005

Issue date: 2005
Publication year: 2005
Pages: 193-199
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The past decade has witnessed an increased application for dynamic pricing in transportation industry, where firms use various forms of dynamic pricing to respond to market fluctuations and uncertainty in demand. In light of the success in the airline dynamic pricing practice and given the advancement of the ICT technology, the question is raised as follows: can technology adoptions, such as smart card, help the transportation companies, especially public transport operators, to approach the dynamic pricing in an innovative way? By using the case of the smart card adoption in the Dutch transportation industry, this article articulates the opportunities the smart card brings to the dynamic pricing design and use. It is demonstrated that the smart card data gives a dimensional view on the travellers, where both the market segmentation and the travel behaviour could be better studied. It is also argued that the rich segmentation information on the travellers and the increased understanding of the travel behaviour could lead to the level of refinement of the dynamic pricing strategies for the transportation companies. Furthermore, a number of dynamic pricing strategies are proposed that correspond to the discussed smart card dimensions.
Number of references: 23
Main heading: Costs
Controlled terms: Electronic commerce - Electronics industry - Smart cards - Supply chains - Transportation routes
Uncontrolled terms: Dynamic pricing - Emerging technologies - Public transport operators - Segmentation informations - Smart-card technology - Transportation industry - Transportation network - Uncertainty in demand
Classification code: 722.4 Digital Computers and Systems
Digital Computers and Systems
- 723.5 Computer Applications
Computer Applications
- 911 Cost and Value Engineering; Industrial Economics
Cost and Value Engineering; Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

76. Isomorphism and mobile commerce strategy

Accession number: 20130716022037
Authors: Chen, Wenshin (1)
Author affiliation: (1) College of Business, Prairie View A and M University, Prairie View, TX, United States
Corresponding author: Chen, W.(wechen@pvamu.edu)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 599-607
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005

Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Experts continuously predict that mobile technology would create new competitions in the business world and that all e-commerce would be on wireless devices in the near future. This technological trend indicates that Mcommerce has been envisioned to be a major force of business competition. To any organizational member in an institutional field, a more comprehensive understanding of M-commerce strategy would thus become critical. Since conventional wisdom emphasizes economic aspects of technological strategy, a more comprehensive understanding of M-commerce would need to incorporate social/political aspects of strategic choice because such social/political backdrops in an institutional field often shape an organization's decision. Institutional theorists, for instance, argue that organization members' decisions are often driven by social/political pressures in an institutional field, particularly when the environment is surrounded by emerging technological issues. With its developing nature, M-commerce well fits into such an uncertain context. Institutional theory could thus help better understand how social/political forces in an institutional field influence an institutional member's decision. More specifically, this paper proposes that each of three isomorphic pressures, coercive, mimetic, and normative pressures, positively influences an organization's M-commerce strategy. These propositions encourage business and technology decision makers to consider social/political factors embedded in their institutional landscape and in turn better shape their organizations' M-commerce strategy.
Number of references: 48
Main heading: Mobile commerce
Controlled terms: Competition - Decision making - Decision theory - Electronics industry - Set theory - Supply chains
Uncontrolled terms: Business competition - Institutional pressures - Institutional theory - Isomorphism - Mobile Technology - Normative pressures - Strategic choice - Technological trends
Classification code: 911.2 Industrial Economics
Industrial Economics
- 911.4 Marketing
Marketing
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.4 Combinatorial Mathematics, Includes Graph Theory, Set Theory
Combinatorial Mathematics, Includes Graph Theory, Set Theory
- 961 Systems Science
Systems Science
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

77. Design distribution and evaluation model for collaborative design chain

Accession number: 20130716022094
Authors: Tseng, Yuan-Jye (1); Tzeng, Huei-Ling (1); Lin, Yu-Hua (2)
Author affiliation: (1) Department of Industrial Engineering and Management, Yuan Ze University, 135 Yuan-Tung Road, Chung-Li, Taoyuan 320, Taiwan; (2) Department of Marketing and Logistics Management, Hsiuping Institute of Technology, Dali City, Taichung 412, Taiwan
Corresponding author: Tseng, Y.-J.(ieyjt@saturn.yzu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 944-946
Language: English
ISSN: 16830040

Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: A collaborative design chain incorporates the different design activities performed by various design teams that may be located at different geographical locations. In a collaborative design chain, the different parts of a product can be designed by different design teams in a collaborative way. There exist different ways for distributing the different parts to the multiple design teams. If different ways are used for distributing the different part, the time for completing the design and the final functions of the product may vary. In this research, a design evaluation model for evaluating the collaborative design chain is presented. The presented new model is aimed at finding the best way for distributing the different parts to the suitable design teams such that the designed functional value of the product can be maximized. Also, the design cost composed of design operation cost and design communication cost in collaborative design is minimized. An optimized design distribution and evaluation model is presented by maximizing the total design value which is defined as the designed functional value minus the design operation cost and the design communication cost. Implementation and test results are presented.
Number of references: 13
Main heading: Product design
Controlled terms: Electronic commerce - Electronics industry - Operating costs - Supply chains
Uncontrolled terms: Collaborative commerce - Collaborative design - Design chains - Design communication - Design evaluation - Evaluation modeling - Geographical locations - Multi-plants
Classification code: 723.5 Computer Applications
Computer Applications
- 911.1 Cost Accounting
Cost Accounting
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.1 Production Engineering
Production Engineering
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

78. Moving beyond the dyad: Multi-tier supply chain integration in the aerospace industry

Accession number: 20130716022089
Authors: White, Andrew (1); Mohdzain, Zaher (2)
Author affiliation: (1) Centre for Logistics and Supply Chain Management, Cranfield School of Management, Cranfield University, Cranfield Bedford MK43 OAL, United Kingdom; (2) Information System Research Centre, Cranfield School of Management, Cranfield University, Cranfield Bedford MK43 OAL, United Kingdom
Corresponding author: White, A.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 914-920
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.

Publisher: CEUR-WS
Abstract: This paper presents a case study on how multitier supply chain integration is being achieved via the use of information systems in the aerospace industry. It is based on interviews conducted with three organizations across the supply chain and an IT vendor who supplied the technology. The study finds that by using a new set of technological standards, namely Web Services, data can be taken from the systems of three disparate organizational systems and then used to help an integrated product team from three organizations manage the supply chain. In order to capture the benefits of this technology, the development of a supply chain mindset, integration of marketing and logistics activities and observing demarcation of what issues can and cannot be discussed via the multilateral relationships need to be addressed. The contribution of the paper is that emergent information systems can be used in a multi-tier context to address the problem of the Forrester effect, a phenomenon that has plagued supply chains for decades.
Number of references: 62
Main heading: Information management
Controlled terms: Aerospace industry - Electronic commerce - Electronics industry - Information systems - Information use - Integration - Supply chains - Web services
Uncontrolled terms: e-Logistics - Integrated product team - IT vendors - Multi-tier - Organizational system - Supply-chain integration - Technological standards
Classification code: 723.5 Computer Applications
Computer Applications
- 903.3 Information Retrieval and Use
Information Retrieval and Use
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.2 Calculus
Calculus
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

79. Application of knowledge management in organizational management

Accession number: 20130716022026
Authors: Vaezi, Seyed Kamal (1)
Author affiliation: (1) Iran's Ministry of Sciences, Research and Technology, Iran
Corresponding author: Vaezi, S.K.(vaezi_ka@yahoo.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 533-537
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: In fact, any task that uses and applies knowledge can benefit from the structure of knowledge management, and that covers most managerial and professional activities. Therefore, like other management 'fads' before, many existing business practices (such as information management and intelligence gathering) are coming under the knowledge management umbrella. Similarly, information systems solutions, such as document management and data warehousing are being similarly relabeled. Structurally, the use and sharing of knowledge must be aligned with all of the factors described in the paper. The development and application of knowledge must be relevant and in context to the business direction and the stakeholders needs. Optimum knowledge application, sharing, and flow is only delivered as part of the business processes of the organization. The objectives and measures of each must be common. Most

importantly, knowledge growth and use must be specifically tied to the individual and team objective setting, incentive and reward mechanisms of the organization.
Number of references: 8
Main heading: Knowledge management
Controlled terms: Data warehouses - Electronic commerce - Electronics industry - Information services - Societies and institutions - Supply chains
Uncontrolled terms: Development and applications - Document management - Innovation cycles - Intelligence gathering - Knowledge application - Organizational management - Professional activities - Structure of knowledge
Classification code: 723.3 Database Systems
Database Systems
- 723.5 Computer Applications
Computer Applications
- 901.1.1 Societies and Institutions
Societies and Institutions
- 903.4 Information Services
Information Services
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

80. E-procurement - Process based conceptual model

Accession number: 20130716022000
Authors: Jandos, Jaroslav (1)
Author affiliation: (1) University of Economics, Faculty of Informatics and Statistics, W. Churchill Sq. 4, 13067 Prague 3, Czech Republic
Corresponding author: Jandos, J.(jandos@vse.cz)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 378-385
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper aims to contribute to the development of a process based conceptual model of electronic procurement. Model is based on three basic e-procurement processes - strategic, tactical and operational e-procurement. Processes are divided into phases which are supported by applications (i.e. software programmes). Apart from applications supporting basic procurement activities there is a currently fast growing group of ADM (Analytical - Decision support - Management) applications, which brings business benefits especially in complex procurement environments. The basic view is that of ICT's (Information and Communication Technologies - namely Internet, Internet technologies, Internet standards, Internet applications) support of procurement activities. Paper presents integrated e-procurement applications and also various integration requirements of e-procurement applications. Model may perhaps help enterprises, which are new to e-procurement, e.g. SMEs, to gain basic understanding of which applications may be used for implementation of eprocurement processes.
Number of references: 23
Main heading: Application programs

Controlled terms: Decision support systems - Electronic commerce - Electronic data interchange - Electronics industry - Purchasing - Supply chains
Uncontrolled terms: Analytical decisions - E-auctions - e-Procurement - E-tendering - Electronic procurement - Information and Communication Technologies - Integration requirements - Internet application
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

81. Privacy-preserving support vector machines learning

Accession number: 20130716022016
Authors: Zhan, Justin (1); Chang, Li Wu (2); Matwin, Stan (1)
Author affiliation: (1) School of Information Technology and Engineering, University of Ottawa, Canada; (2) Center for High Assurance Computer Systems, Naval Research Laboratory, United States
Corresponding author: Zhan, J.(zhizhan@site.uottawa.ca)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 477-482
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper addresses the problem of data sharing among multiple parties, without disclosing the data between the parties. We focus on sharing of data among parties involved in a data mining task. We study how to share private or confidential data in the following scenario: without disclosing their private data to each other, multiple parties, each having a private data set, want to collaboratively construct support vector machines using a linear, polynomial or sigmoid kernel function. To tackle this problem, we develop a secure protocol for multiple parties to conduct the desired computation. The solution is distributed, i.e., there is no central, trusted party having access to all the data. Instead, we define a protocol using homomorphic encryption techniques to exchange the data while keeping it private. We analyze the protocol in the context of mistakes and malicious attacks, and show its robustness against such attacks. All the parties are treated symmetrically: they all participate in the encryption and in the computation involved in learning support vector machines.
Number of references: 32
Main heading: Data Sharing
Controlled terms: Cryptography - Data mining - Data privacy - Electronic commerce - Electronics industry - Learning systems - Network security - Supply chains - Support vector machines - Vectors
Uncontrolled terms: Confidential data - Data mining tasks - Ho-momorphic encryptions - Learning support - Malicious attack - Privacy preserving - Secure multi-party computation - Security
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.1 Algebra

Algebra
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

82. E-service in the public sector

Accession number: 20130716021974
Authors: Asgarkhani, Mehdi (1)
Author affiliation: (1) Faculty of Commerce, C P I T, Christchurch, New Zealand
Corresponding author: Asgarkhani, M.(AsgarkhaniM@CPIT.ac.nz)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 207-215
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: E-technologies are increasingly being recognised as effective tools that can foster an environment of improved service, transparency and improved governance within the public sector. Today, access to information and communication technologies (ICTs) plays an essential role in economic and social development. As public interest in the Internet and e-technology solutions continues to grow, there is an increasing expectation that they will be utilised in national and local governments for more efficient supply and value chain management and for improving public access to information and services. E-technology has become a catalyst for enabling more effective government through better access to services and the democratic process. There is much debate over the roleand the value of e-service within public sector organizations.This paper examines the effectiveness of e-services within the public sector with a focus on four specific facets of effectiveness: the view of management and e-technology strategists; social, cultural and ethical implications; the implications of lack of access to e-technology infrastructure; and the customers' (citizens') view of the usefulness and success of e-service initiatives with reference to a case study of a local government e-service initiative within New Zealand.
Number of references: 35
Main heading: Economic and social effects
Controlled terms: Electronic commerce - Electronics industry - Mobile telecommunication systems - Service industry - Supply chains
Uncontrolled terms: Democratic process - Digital government - E- services - E-readiness - Economic and social development - Ethical implications - Information and Communication Technologies - Value chain management
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 971 Social Sciences
Social Sciences
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

83. Privacy-preserving naive Bayesian classification over vertically partitioned data

Accession number: 20130716022017
Authors: Zhan, Justin (1); Matwin, Stan (1); Chang, Li Wu (2)
Author affiliation: (1) School of Information Technology and Engineering, University of Ottawa, Canada; (2) Center for High Assurance Computer Systems, Naval Research Laboratory, United States
Corresponding author: Zhan, J.(zhizhan@site.uottawa.ca)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 483-488
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Protection of privacy is a critical problem in data mining. Preserving data privacy in distributed data mining is even more challenging. In this paper, we consider the problem of privacy-preserving naive Bayesian classification over vertically partitioned data. The problem is one of important issues in privacy-preserving distributed data mining. Our approach is based on homomorphic encryption. The scheme is very efficient in the term of computation and communication cost.
Number of references: 21
Main heading: Data mining
Controlled terms: Classification (of information) - Cryptography - Data privacy - Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Communication cost - Distributed data mining - Ho-momorphic encryptions - Naive Bayesian classification - Privacy-preserving distributed data mining - Protection of privacy - Security - Vertically partitioned data
Classification code: 716.1 Information Theory and Signal Processing
Information Theory and Signal Processing
- 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

84. Setting up extended enterprises: A Data Aspects framework

Accession number: 20130716021960
Authors: Goethals, Frank (1); Vandenbulcke, Jacques (1); Lemahieu, Wilfried (1); Snoeck, Monique (1)
Author affiliation: (1) F.E.T.E.W., K.U.Leuven, Naamsestraat 69, B-3000 Leuven, Belgium
Corresponding author: Goethals, F.(Frank.Goethals@econ.kuleuven.ac.be)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 109-116

Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Nowadays, companies want to share information. When doing so, many issues have to be taken care of, and many options are available for most of these issues. Realizing B2Bi is a very complex task. It is the aim of this paper to make it possible to oversee the complexity of information sharing in a B2B context by structuring the issues that have to be taken care of in a new framework: the DA (Data Aspects) - framework; and by relating this framework to the existing FADEE framework.
Number of references: 17
Main heading: Data mining
Controlled terms: Bismuth compounds - Data warehouses - Electronic commerce - Electronics industry - Information dissemination - Supply chains
Uncontrolled terms: Complex task - Extended enterprise - Information sharing
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 903.2 Information Dissemination
Information Dissemination
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

85. An initial design of a website snapshot management system

Accession number: 20130716021959
Authors: Chao, David (1)
Author affiliation: (1) College of Business, San Francisco State University, San Francisco, CA 94132, United States
Corresponding author: Chao, D.(dchao@sfsu.edu)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 105-108
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: A website snapshot is the state of a web site at a specific point in time. It supports applications that require historical data. Most website snapshots are created by making a copy of the website. These date-time stamped physical snapshots are unable to satisfy users' need for snapshots of different snapshot times. This research proposes a scheme that is able to create website snapshots that meet any snapshot time requirements by recording changes to a website in a log. For web pages producing dynamic content from a database, this scheme will allow the pages to access a database snapshot at the website snapshot time.
Number of references: 11

Main heading: Websites
Controlled terms: Electronic commerce - Electronics industry - Supply chains - Web Design
Uncontrolled terms: Dynamic content - Historical data - Initial design - It supports - Management systems - Time requirements
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

86. Analysis of functionalities of commercial websites used for procurement: Implications on design and operations

Accession number: 20130716022001
Authors: Benslimane, Younes (1); Yang, Zijiang (1)
Author affiliation: (1) York University, Toronto, Canada
Corresponding author: Benslimane, Y.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 386-391
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This research analyzes the functionalities of commercial websites used for electronic procurement and links them with the benefits as perceived by users and with relevant operations. Findings from a Data Envelopment Analysis (DEA) used on data collected from 88 corporate buyers working in a wide range of industries and using the World Wide Web to support the procurement process show that adding advanced functionalities to informational websites can reduce their efficiency, which suggest that commercial websites are more often used to reduce buyers' search costs than their processing costs. Possible explanations and implications of such findings on the design of commercial websites used for business-to-business transactions and on operations for both vendors and buyers are discussed.
Number of references: 19
Main heading: Websites
Controlled terms: Cost benefit analysis - Data envelopment analysis - Electronic commerce - Electronic data interchange - Electronics industry - Purchasing - Sales - Supply chains - Web Design
Uncontrolled terms: Business-to-business transactions - Commercial websites - Design and operations - Electronic procurement - Operation strategy - Processing costs - Procurement process - Search costs
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 911 Cost and Value Engineering; Industrial Economics
Cost and Value Engineering; Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing

Production Planning and Control; Manufacturing
- 922 Statistical Methods
Statistical Methods
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

87. The effect of online feedback mechanisms in electronic markets: A field study perspective

Accession number: 20130716021993
Authors: Doong, Her-Sen (1); Hsieh, Ching-Kuang (1)
Author affiliation: (1) National Chiayi University, Taiwan
Corresponding author: Doong, H.-S.(hsdoong@mail.ncyu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 336-339
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Online feedback mechanism, best known right now for building trust and reputation in electronic markets, are regarded as a major player in the success of many online trading communities. It can reduce sellers' anonymities, mitigate the buyers' risks, and affect the price premiums. In this paper, we investigate the relationship between feedback mechanisms and price premiums by the analysis of field data. An intelligent agent is build to collect actual data from Yahoo Auction. The research results will also allow us to better understand whether positive/negative rating has different effects. It may also clarify mediating effects of product characteristics on the relationship between reputation systems and price premiums.
Number of references: 26
Main heading: Electronics industry
Controlled terms: Electronic commerce - Feedback control - Supply chains
Uncontrolled terms: Different effects - Feedback mechanisms - Online auctions - Product characteristics - Reputation - Reputation systems - Trust - Trust and reputation
Classification code: 723.5 Computer Applications
Computer Applications
- 731.1 Control Systems
Control Systems
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

88. Knowledge modeling for readiness self-assessment

Accession number: 20130716021994
Authors: Wen, Dunwei (1, 2); Dickson, Ken (1); Lin, Fuhua (2)

Author affiliation: (1) Office of Vice-President Academic, Athabasca University, 10011-109 Street, Edmonton AB T5J 3S8, Canada; (2) School for Computing and Information Systems, Athabasca University, 10011-109 Street, Edmonton AB T5J 3S8, Canada
Corresponding author: Wen, D.(dunweiw@athabascau.ca)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 340-345
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Online readiness self-assessments are widely used in universities providing distant education, and they can help prospective students to understand the requirements and their readiness to study in these universities. Most of the self-assessment systems are Web-based static questionnaires. In this paper, a novel adaptive online self-assessment system AM I READY is introduced. The system is based on knowledge models, including static and dynamic user model, counseling model and self-assessment process model. It can dynamically filter questions to be asked to a specific user and adjust the contents of webpage dialog between the user and the system according to knowledge models and the user's responses. The system is more effective and helpful than the usual ones.
Number of references: 6
Main heading: Education computing
Controlled terms: Electronic commerce - Electronics industry - Supply chains - Surveys - Websites
Uncontrolled terms: Distant educations - Dynamic user modeling - Knowledge model - Self assessment - Web based
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

89. Do e-business investments create competitive advantage: Perspectives from the Australian banking and financial services industry

Accession number: 20130716021983
Authors: Rao, Sally (1); Troshani, Indrit (1)
Author affiliation: (1) School of Commerce, University of Adelaide, 233 North Terrace, Adelaide, SA 5005, Australia
Corresponding author: Rao, S.(sally.rao@adelaide.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 274-278
Language: English
ISSN: 16830040
Document type: Conference article (CA)

Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Are advantages provided by e-business vanishing as IT becomes ubiquitous and affordable? Is it losing its strategic value and, therefore, its potential for strategic differentiation? This paper proposes a conceptual framework to assess strategic IT investments for e-business. The framework captures several business, human and time dimensions. It is argued that the interaction of these dimensions with IT is hard to be imitated by competitors, and has therefore, the potential to generate and sustain competitive advantage. We attempt to answer these questions by using the perspectives of IT practitioners in Australian financial service industry in the first of a multistage study.
Number of references: 45
Main heading: Electronics industry
Controlled terms: Competition - Electronic commerce - Investments - Service industry - Supply chains
Uncontrolled terms: Competitive advantage - Conceptual frameworks - eBusiness - Financial service - Financial services industries - IT investments - Strategic values - Time dimension
Classification code: 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

90. Fuzzy random traveling salesman problem

Accession number: 20130716022087
Authors: Lu, Yiwen (1); Ni, Yaodong (1)
Author affiliation: (1) Uncertainty Theory Laboratory, Department of Mathematical Sciences, Tsinghua University, Beijing 100084, China
Corresponding author: Lu, Y.(lyw00@mails.tsinghua.edu.cn)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 901-907
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The travelling salesman problem is to find a shortest path from the travelling salesman's hometown, make the round of all the towns in the set, and finally go back home. This paper investigates the travelling salesman problem with fuzzy random travelling time. Three concepts are proposed: expected shortest path, (α, β)–path and chance shortest path according to different optimal desire. Correspondingly, by using the concepts as decision criteria, three fuzzy random programming models for TSP are presented. Finally, a hybrid intelligent algorithm is designed to solve these models, and some numerical examples are provided to illustrate its effectiveness.
Number of references: 22
Main heading: Traveling salesman problem

Controlled terms: Electronic commerce - Electronics industry - Fuzzy systems - Genetic algorithms - Graph theory - Supply chains
Uncontrolled terms: Decision criterions - Fuzzy random - Fuzzy random programming - Fuzzy simulation - Hybrid intelligent algorithms - Shortest path - Travelling salesman - Travelling salesman problem
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.3 Operations Research
Operations Research
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.4 Combinatorial Mathematics, Includes Graph Theory, Set Theory
Combinatorial Mathematics, Includes Graph Theory, Set Theory
- 921.5 Optimization Techniques
Optimization Techniques
- 961 Systems Science
Systems Science
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

91. Privacy-preserving sequential pattern mining over vertically partitioned data

Accession number: 20130716022018
Authors: Zhan, Justin (1); Matwin, Stan (1); Chang, Li Wu (2)
Author affiliation: (1) School of Information Technology and Engineering, University of Ottawa, Canada; (2) Center for High Assurance Computer Systems, Naval Research Laboratory, United States
Corresponding author: Zhan, J.(zhizhan@site.uottawa.ca)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 489-495
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Privacy-preserving data mining in distributed environments is an important issue in the field of data mining. In this paper, we study how to conduct sequential patterns mining, which is one of the data mining computations, on private data in the following scenario: Multiple parties, each having a private data set, want to jointly conduct sequential pattern mining. Since no party wants to disclose its private data to other parties, a secure method needs to be provided to make such a computation feasible. We develop a practical solution to the above problem in this paper.
Number of references: 9
Main heading: Data mining
Controlled terms: Data privacy - Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Data mining computations - Distributed environments - Practical solutions - Privacy preserving data mining - Security - Sequential patterns mining - Sequential-pattern mining - Vertically partitioned data
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications

- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

92. Assessing e-learning effectiveness: Developing strategies for pedagogy, resources and delivery

Accession number: 20130716021995
Authors: Troshani, Indrit (1); Rao, Sally (1)
Author affiliation: (1) School of Commerce, University of Adelaide, 233 North Terrace, Adelaide, SA 5005, Australia
Corresponding author: Troshani, I.(indrit.troshani@adelaide.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 346-354
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Although e-learning is spreading quickly across the globe in both educational and non-educational institutions there are problems and misconceptions related to e-learning. Thus, the aim of this paper is to review existing literature, particularly previous research pertaining to the three dimensions on the basis of which online courses should be designed and assessed. Essentially, we argue that e-learning should take an systematic approach and the checklist we have developed can be used to assess online teaching and learning sites and to develop strategies for pedagogy, resources and delivery in e-learning. It is hoped that introducing measurability of online course assessment will help quantify the usefulness of online course.
Number of references: 47
Main heading: E-learning
Controlled terms: Curricula - Electronic commerce - Electronics industry - Supply chains - Teaching
Uncontrolled terms: Developing strategy - Educational institutions - Online course - Online teaching and learning - Three dimensions
Classification code: 723.5 Computer Applications
Computer Applications
- 901.2 Education
Education
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

93. An adaptive interface for customer transaction assistant in electronic commerce

Accession number: 20130716022097
Authors: Hsu, Chien-Chang (1); Kuo, Zhen-Han (1)

Author affiliation: (1) Department of Computer Science and Information Engineering, Fu-Jen Catholic University, 510 Chung Cheng Rd., Hsinchuang, Taipei, 242, Taiwan
Corresponding author: Hsu, C.-C.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 962-966
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Personalized service and adaptive interface play important factors in electronic commerce. This work proposes an adaptive interface to for helping the customer transaction in electronic commerce. The adaptive interface collects the consumer behaviors by monitoring the customer operations, excluding unnecessary operations, and recognizing the behavior patterns. The interface uses the Bayesian belief network and the RBF neural networks to achieve the above tasks. The interface then evaluates knowledge and skill proficiency according to the customer behavior patterns. Finally, the interface generates the adaptive interface to the consumers for helping the transaction process.
Number of references: 13
Main heading: Electronics industry
Controlled terms: Bayesian networks - Consumer behavior - Electronic commerce - Radial basis function networks - Sales - Supply chains
Uncontrolled terms: Adaptive interface - Customer behavior - Customer operations - Personalized service - Proficiency evaluation - RBF Neural Network - Transaction process - Web based information technology
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.4 Combinatorial Mathematics, Includes Graph Theory, Set Theory
Combinatorial Mathematics, Includes Graph Theory, Set Theory
- 931.3 Atomic and Molecular Physics
Atomic and Molecular Physics
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

94. Modeling business process: Analysis of goal-oriented approaches

Accession number: 20130716022078
Authors: Zheng, Zhi (1); Yang, De-Li (1); Yang, Hong (1)
Author affiliation: (1) System Engineering Research Institute, Dalian University of Technology, 116024, China
Corresponding author: Zheng, Z.(dafma@126.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 827-831
Language: English

ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: A crucial management issue for most corporations is the effective design and implementation of their business process. However, existing approaches describe an enterprise in terms of activities and tasks view without offering sufficient guidance towards a process-centric description of the organization. Goals have long been recognized to be essential components involved in the business process. Business process engineering research has increasingly recognized the leading role played by goals in the business process. Such recognition has led to a whole stream of research on goaloriented approaches. The study of goal-oriented methodologies indicates that modeling of organizational goals constitutes a central activity of the business process. In this paper we advocate the use of goal-oriented approaches to business process modeling. Some systematic approaches to developing and documenting business processes on the basis of the explicit or implicit business objectives are discussed. From the representation view of model, the way that models are expressed is demonstrated.
Number of references: 34
Main heading: Electronics industry
Controlled terms: Electronic commerce - Process engineering - Supply chains
Uncontrolled terms: Business objectives - Business process engineerings - Business process model - Design and implementations - Goal oriented methodologies - Goal-oriented approach - Organizational goals - Representation
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.1 Production Engineering
Production Engineering
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

95. Instructing with advanced collaboration technology: Lessons learned and unexpected transformations

Accession number: 20130716022063
Authors: Nosek, John T. (1)
Author affiliation: (1) Temple University, United States
Corresponding author: Nosek, J.T.(nosek@temple.edu)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 747-749
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS

Abstract: This paper provides lessons learned and some unexpected transformations in the learning process when advanced collaboration technology was used to overcome limitations of a popular, existing collaboration technology. The activities pursued in these advanced undergraduate and graduate computer and information sciences courses replicate many of the activities in collaborative knowledge work in organizations. Therefore, the lessons learned should be applicable to transforming other kinds of joint knowledge work in general.
Number of references: 8
Main heading: Engineering education
Controlled terms: Computer supported cooperative work - Electronic commerce - Electronics industry - Knowledge based systems - Learning systems - Supply chains
Uncontrolled terms: Collaborative learning - Collaborative support system - Collaborative technologies - Collaborative Work - Collaborative writing - Electronic collaboration - Learning
Classification code: 723.4.1 Expert Systems
Expert Systems
- 723.5 Computer Applications
Computer Applications
- 901.2 Education
Education
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

96. Mobile commerce opportunities in the airline industry

Accession number: 20130716022039
Authors: Masterson, Brian (1); Wei, June (1)
Author affiliation: (1) University of West Florida, 11000 University Parkway, Pensacola, FL 32514, United States
Corresponding author: Masterson, B.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 613-618
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Mobile commerce will provide opportunities to improve business values in the airline industry; however, it has been slowly adopted and has not been implemented widely. This paper develops a mobile commerce model for air travel companies that can be used to study features necessary to perform m-commerce using wireless devices. Twenty-eight interface features are identified based on this developed model. The implementation of these features for the existing web-based airline ticketing in the top ten airline companies are examined. These features are important to develop an efficient and user friendly mobile commerce for airline industry in the near future. The beneficiaries of the findings from the current research are the existing airline companies, future mobile commerce airline companies, and the developers of mobile commerce systems.
Number of references: 14
Main heading: Mobile commerce
Controlled terms: Air transportation - Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Air travels - Airline industry - Business value - Developed model - M-commerce - Mobile ticket - User friendly - Wireless devices

Classification code: 431.1 Air Transportation, General
Air Transportation, General
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

97. Strategic application of e-commerce for customer satisfaction: A study with small businesses in Korea

Accession number: 20130716022065
Authors: Lee, Choong Y. (1)
Author affiliation: (1) Department of Management and Marketing, Pittsburg State University, 1701 S. Broadway, Pittsburg, KS 66762, United States
Corresponding author: Lee, C.Y.(lee@pittstate.edu)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 755-758
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Recent development of information technology has brought dramatic increase of strategic use of information system in businesses all over the world. This paper will examine e-business application for customer satisfaction especially in Korean small and medium businesses to illustrate the major impact of information technology on small and medium sized firms in Korea, find out the roles of e-commerce within their supply chain systems in those small and medium-sized enterprises, and then, identify major barriers that prevent Korean small businesses from entering into e-commerce. Finally, this paper will propose an analytical framework for e-commerce penetration into small firms as a guideline of future applications in similar cases.
Main heading: Customer satisfaction
Controlled terms: Electronic commerce - Electronics industry - Information use - Supply chains
Uncontrolled terms: E-business applications - Future applications - Similar case - Small and medium sized enterprise - Small and medium sized firms - Small business - Small firm - Supply chain systems
Classification code: 723.5 Computer Applications
Computer Applications
- 903.3 Information Retrieval and Use
Information Retrieval and Use
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Database: Compendex

Data Provider: Engineering Village

98. Understanding the Adoption of Business-To-Employee (B2e) Portals: An Experience of a Large Australian University

Accession number: 20130716021990
Authors: Rahim, Md. Mahbubur (1); Sugianto, Lyfie (1); Shameem, Nusrat (1)
Author affiliation: (1) Clayton School of Information Technology, Faculty of Information Technology, Monash University, VIC, Australia
Corresponding author: Rahim, Md.M.(mahbubur.rahim@infotech.monash.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 316-322
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Business-to-Employee (B2E) portals represent a customised, personalised, ever-changing mix of news, resources, applications, and e-commerce options that become the desktop destination for everyone in a business. They have the potential to improve corporate communication with employees and enhance their productivity and loyalty. Attracted by this potential, many organisations are now investing in B2E portal technologies. Little is however reported about the experience of businesses in adopting these portals. This paper presents the staff portal adoption experience of a large Australian university and reports on the findings about the motives of the university for adopting the portal, the features included in the portal, the approach used in its introduction and the key factors that influenced the decision of the university to invest in it. The findings identified an important factor that was not cited in the portal literature. The implications are discussed.
Number of references: 22
Main heading: Electronics industry
Controlled terms: Electronic commerce - Human resource management - Portals - Supply chains
Uncontrolled terms: Adoption - Australia - Corporate communications - Portal technology
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

99. Business strategies for the New Zealand online fashion industry

Accession number: 20130716022009
Authors: Hui, Winnie Wing Man (1); Paynter, John (1)
Author affiliation: (1) Department of Information Systems and Operations Management, University of Auckland, Private Bag 92019, Auckland, New Zealand
Corresponding author: Hui, W.W.M.(winniewingman@gmail.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005

Pages: 433-435
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The popularity of the Internet has raised the number of people shopping online and offers opportunities for fashion businesses to promote or sell their products via the Internet. There are an increasing number of New Zealand fashion organisations launching a web site either for information distribution, promotional use or online retailing. It is believed that the online fashion industry has a tremendous potential in New Zealand. Four interviews were carried out within New Zealand fashion organisations with the focus being their tactics in creating Internet fashion sites and the determinants to make them successful ones. A successful fashion web site should have rich and high quality content, fast loading speed, easy for navigation and good graphics. It is important for New Zealand fashion organisations to frequently update their web site, offer new promotions, consider consumer preferences and improve from there.
Number of references: 19
Main heading: Electronics industry
Controlled terms: Electronic commerce - Marketing - Supply chains - Websites
Uncontrolled terms: Business strategy - Consumer preferences - High quality - Information distributions - Internet marketing - Number of peoples - On-line fashion - Online retailing
Classification code: 723.5 Computer Applications
Computer Applications
- 911.4 Marketing
Marketing
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

100. Building co-operative supply chain in auto parts manufacturing industry

Accession number: 20130716022090
Authors: Chung, Yong-Kyun (1); Cho, Se-Hyung (2); Kim, Seung-Chul (3)
Author affiliation: (1) Div. of Econ. and Int. Trade, Kangwon National Univ., Korea, Republic of; (2) Dept of Business Administration, Konyang University, Korea, Republic of; (3) School of Business, Hanyang University, Korea, Republic of
Corresponding author: Kim, S.-C.(sckim888@hanyang.ac.kr)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 921-924
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS

Abstract: As competition becomes more intense, it is becoming increasingly important for a firm to build an efficient supply chain for its survival and prosperity. One way to build an efficient supply chain is to integrate the supply chain activities by the member firms of different levels on the supply chain by developing cooperative relationships between firms. Many factors are involved in developing cooperative relationships between firms, and their effects need to be studied. This paper investigates what factors are critical to build a cooperative buyer-supplier relationship in auto parts manufacturing industry. Data was collected from two groups of firms in Korean auto parts manufacturing industry, 1st-tier parts suppliers and 2nd-tier parts suppliers. Our study reveals that there are significant differences in the way of collaboration depending on the level of the relationships.
Number of references: 5
Main heading: Automotive industry
Controlled terms: Electronic commerce - Electronics industry - Manufacture - Supply chains
Uncontrolled terms: Auto industry - Auto-parts - Buyer supplier relationship - Cooperative relationships - e-Logistics - Manufacturing industries - Multi echelon supply chains
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.4 Manufacturing
Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

101. Integrated multilevel intrusion detection and report system

Accession number: 20130716022014
Authors: Chen, Tung-Shou (1); Chen, Puo-Iang (1); Wang, Tian-Shing (1); Chiu, Yung-Hsing (1); Lai, Sheng-Li (1)
Author affiliation: (1) Graduate School of Computer Science and Information Technology, National Taichung Institute of Technology, Taiwan
Corresponding author: Chen, T.-S.(tschen@ntit.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 463-469
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: In this paper we demonstrate a new impression of intrusion detection system. We use multilevel structure of intrusion detection systems to protect our network. Most of traditional report systems are complicated and hard to manage. In our system, our interface of report system is easy to read and manage. The most important is we use open source software to integrate our system. This can make the cost of intrusion detection system down and make our system flexible. It is convenient to user and network manager. In our system, we can integrate different intrusion detection system and report system into one system. It will become a trend nowadays.
Number of references: 11
Main heading: Intrusion detection
Controlled terms: Computer crime - Electronic commerce - Electronics industry - Network security - Open source software - Open systems - Supply chains
Uncontrolled terms: Firewall - Intrusion Detection Systems - Multi-level structures - Network managers - Report system

Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

102. The conceptual design and implementing Web Services Security Framework for Ministry of Information and Communication Technology in Thailand

Accession number: 20130716022021
Authors: Prechapanich, Pakpoom (1); Praneetpolgrang, Prasong (2); Paopun, Nutsapun (1)
Author affiliation: (1) Business Administration (Electronic Commerce), Graduate School, Sripatum University, 61 Phaholyothin Rd., Jatujak 10900 Bangkok, Thailand; (2) Science (Information Technology), Graduate School, Sripatum University, 61 Phaholyothin Rd., Jatujak 10900 Bangkok, Thailand
Corresponding author: Prechapanich, P.(prechapanich@gmail.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 511-514
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This research aims to present a Web Services Security Framework for Ministry of Information and Communication Technology (MICT) in Thailand as referred to international standard BS7799 on information security management. With a pilot development of web services which based on e-government, the researcher used Ministry of Information and Communication Technology as a case study. In order to understand the developmental pilot, it's crucial to realize particularly in web services security and to determine proposed or existing system. Finally, it can be as standard guideline for Thai public organization for developing web services security framework.
Number of references: 15
Main heading: Web services
Controlled terms: Conceptual design - e-government - Electronic commerce - Electronics industry - Security of data - Supply chains - Websites
Uncontrolled terms: BS7799 - Information and Communication Technologies - Information security managements - International standards - ISMS - Public organizations - Security - Web services security
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

103. Managerial use of broad scope MAS information - A function of JIT and ICT: An exploratory study

Accession number: 20130716022052
Authors: Winata, Lanita (1); Mia, Lokman (1)
Author affiliation: (1) School of Accounting, Finance and Economics, Griffith University, Australia
Corresponding author: Winata, L.(L.winata@griffith.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 689-691
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Is managerial use of the broad scope MAS (management accounting systems) information a function of JIT implementation and ICT? This study attempts to address the above question. The research propositions are developed following the relevant literature on MAS information, ICT and JIT. Seventy-six general managers, each in charge of one strategic business unit (SBU) within their respective organizations, participated in the study. Data was collected from the SBU general managers using a survey questionnaire. The results reveal that just-in-time manufacturing (JIT) implementation and managers' use of information and communication technology (ICT) are determinants of their use of the broad scope MAS information.
Number of references: 43
Main heading: Information use
Controlled terms: Electronic commerce - Electronics industry - Information management - Information technology - Just in time production - Managers - Manufacture - Supply chains - Surveys
Uncontrolled terms: Exploratory studies - General manager - Information and Communication Technologies - Just-in-time manufacturing - Management accounting systems - MAS information - Research propositions - Strategic business units
Classification code: 723.5 Computer Applications
Computer Applications
- 903.3 Information Retrieval and Use
Information Retrieval and Use
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.4 Personnel
Personnel
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.4 Manufacturing
Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

104. Question analysis and answering system for the Internet usages by using ontology and concept weighting

Accession number: 20130716022098
Authors: Ragngam, Narroup (1); Srivihok, Anongnart (1)
Author affiliation: (1) Department of Computer Science, Faculty of Science, Kasetsart University, Thailand
Corresponding author: Ragngam, N.(g4764229@ku.ac.th)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 967-970
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This study proposed a system for an automatic question analysis and answering that applies information extraction techniques for extracting the relevant information from questions of the Internet conections. The study uses both ontology, and concept weighting to extract, and classify questions. The information extractions are divided in two steps as follows. First, ontology is used to create a decision tree according to the concepts of questions. Second, concept weighting is applied; the weight of each concept is given by its frequency in the past documents. The results from this study reveal that it is possible to develop an automatic question answering system. The proposed system had been tested with sample questions from the Internet service provider: True Corporation Call Center. Precision of the system is about 0.77 which is good. This study offers useful information regarding the areas of information extraction for Call Center or Web Based Support Systems.
Number of references: 7
Main heading: Electronics industry
Controlled terms: Decision trees - Electronic commerce - Information retrieval - Ontology - Supply chains
Uncontrolled terms: Automatic question answering - Call centers - Concept weighting - Information extraction techniques - Internet usage - Question analysis - Web-based support systems
Classification code: 723.5 Computer Applications
Computer Applications
- 903.3 Information Retrieval and Use
Information Retrieval and Use
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 961 Systems Science
Systems Science
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

105. Effective internet marketing: An integrated approach used by educational institutions

Accession number: 20130716022006
Authors: Troshani, Indrit (1); Rao, Sally (1)
Author affiliation: (1) School of Commerce, University of Adelaide, 233 North Terrace, Adelaide, SA 5005, Australia
Corresponding author: Troshani, I.(indrit.troshani@adelaide.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005

Pages: 419-424
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The internet and its various applications have been found to be very effective in delivering marketing functions in general and advertising in particular. This paper presents an integrated approach about the way different internet marketing strategies can be used for advertising the degrees of an educational institution using a case study method. This is an important goal for educational institutions in Australia. The paper culminates with a recommendation and a discussion about the ways in which this goal can be accomplished. Challenges associated with the implementation of this integration, including spam, internet market research and target market identification are also discussed.
Number of references: 47
Main heading: Marketing
Controlled terms: Electronic commerce - Electronics industry - Integrated control - Supply chains
Uncontrolled terms: Australia - Case study methods - Educational institutions - Integrated approach - Internet marketing - Internet marketing strategies - Internet markets - Marketing functions
Classification code: 723.5 Computer Applications
Computer Applications
- 731.1 Control Systems
Control Systems
- 911.4 Marketing
Marketing
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

106. Determinants of online auction participation: How much do Web knowledge and risk perception matter?

Accession number: 20130716022020
Authors: Wang, Sophia (1); Tian, Jenny (2)
Author affiliation: (1) National Dong Hwa University, Taiwan; (2) University of Southern California, United States
Corresponding author: Wang, S.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 507-510
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS

Abstract: This study extends the research on online consumer behavior by examining the effect of Web knowledge and risk perception on individual attitude towards and intention to participate in online auction. The survey findings show that individuals with high Web knowledge tend to form positive attitudes towards online auction. By contrast, individuals who have heightened concerns about Internet privacy and security show less favorable attitudes towards online auction. Consistent with the attitude-intention model, attitude appears to mediates the effect of know and risk perception on intention. Research and practical implications of these results are discussed.
Number of references: 16
Main heading: Risk perception
Controlled terms: Consumer behavior - Electronic commerce - Electronics industry - Supply chains - Websites
Uncontrolled terms: eBusiness - Online auctions - Online consumer behavior - Security - Trust
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 914.1 Accidents and Accident Prevention
Accidents and Accident Prevention
- 931.3 Atomic and Molecular Physics
Atomic and Molecular Physics
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

107. Virtual process and data flow: A case study

Accession number: 20130716021981
Authors: Rahmati, Nasrin (1); Periwal, Pankaj (1)
Author affiliation: (1) Clayton School of Information Technology, Monash University, Australia
Corresponding author: Rahmati, N.(nasrin.rahmati@infotech.monash.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 260-266
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The competitive global business has encouraged many organizations to save cost by moving to virtual processes. Virtual processes outsourced are completed by distributed teams in the context of matrix organizations. Projects are run by teams which are constantly changing in structure according to customer demands. Given the rapid expansion of business process outsourcing, it is important to understand more about the operations of these companies and this has not been very visible. This paper is a report on a case study of one virtual process completed by a vendor organization for a client company. The focus of the study is on the changes in the data during the process completion. The study examined the teams, their functions, their support structure and the outcome of the project. The study provides visibility of virtual process outsourced by the client organization.
Number of references: 17
Main heading: Electronics industry
Controlled terms: Electronic commerce - Supply chains
Uncontrolled terms: Business process outsourcing - Client organizations - Customer demands - Distributed teams - Global business - Matrix organizations - Rapid expansion - Support structures
Classification code: 723.5 Computer Applications

Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

108. An e-enabled service value network for the pharmaceutical industry

Accession number: 20130716021982
Authors: Hamilton, John (1); Selen, Willem (2)
Author affiliation: (1) James Cook University, Cairns QLD 4870, Australia; (2) Macquarie Graduate School of Management, Macquarie University, NSW 2109, Australia
Corresponding author: Hamilton, J.(John.Hamilton@jcu.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 267-273
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Across Australia the pharmacy industry is undergoing major reform and re-structuring. Emerging technologies like e-pharmacies, new low cost players, pressures from supermarkets, doctors, consumers and politicians have changed the nature of this industry. Such pressures are causing the industry to unite, to draw all its component players together, and to deliver a new disruptive solution set that will likely radically change the status of competition. A service value network (SVN) framework is discussed as the likely scenario, and its major underlying dimensions are detailed. Such a SVN approach may eventually lead to better strategic alignment, higher industry performance (capabilities and delivery), greater valueadding solutions, increased customer satisfaction, and more competitive pricing.
Number of references: 38
Main heading: Costs
Controlled terms: Competition - Customer satisfaction - Electronic commerce - Electronics industry - Networks (circuits) - Service industry - Supply chains
Uncontrolled terms: Australia - Competitive pricing - E- services - Emerging technologies - Pharmaceutical industry - Service value network - Solution set - Strategic alignment
Classification code: 703.1 Electric Networks
Electric Networks
- 723.5 Computer Applications
Computer Applications
- 911 Cost and Value Engineering; Industrial Economics
Cost and Value Engineering; Industrial Economics
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

109. The mapping between business e-marketing mix and Internet consumers' decision-making styles in E-Commerce

Accession number: 20130716022005
Authors: Sam, K.M. (1); Chatwin, C.R. (2)
Author affiliation: (1) Faculty of Business Administration, University of Macau, Av. Padre Tomás Pereira S.J., Taipa, China; (2) School of Engineering, University of Sussex, Falmer, Brighton BN1 9QT, United Kingdom
Corresponding author: Sam, K.M.(tonysam@umac.mo)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 411-418
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: As a result of the emergence of E-Commerce, e-marketing mix has been widely adopted by most businesses and companies. Currently, the tools of e-marketing mix are provided by the company web site so that the customers can decide whether the company portfolio of products and/or services suits their needs. If we can understand the psychological factors of customer behavior, businesses can know which customers are suitable. This paper presents the relationship between e-marketing mix of particular businesses and psychological factors of customer behavior in order to provide an easier way for both businesses and customers to find their target needs.
Number of references: 5
Main heading: Electronics industry
Controlled terms: Decision making - Electronic commerce - Sales - Supply chains
Uncontrolled terms: Company portfolio - Customer behavior - E-marketing - Internet marketing - Psychological factors
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

110. Assessing of a new customer services system's use in internet environment

Accession number: 20130716022050
Authors: Zhou, Chuan-Hua (1); Zhao, Bao-Hua (2)
Author affiliation: (1) School of Management Science and Engineering, AHUT, 243002, China; (2) University of Science and Technology of China, 230026, China
Corresponding author: Zhou, C.-H.(chzhou@ahut.edu.cn)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 681-683
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Assessing use is very important for organizations selling and using customer services system in Internet environments. Based on a conceptual model, this paper is to empirically study individuals' assessments of a new customer services system in Internet environment. The model has three phases; pre-use, test and use. In relation to the three phases, the concepts of value and quality are discussed. The main contribution of this paper is the understanding of the difference between the concepts of value and quality being illustrated in the conceptual model. Customers' assessment of value and quality could have implications for companies developing new customer services system in Internet environments.
Number of references: 10
Main heading: Web services
Controlled terms: Electronic commerce - Electronics industry - Image quality - Sales - Supply chains
Uncontrolled terms: Assessment - Conceptual model - Customer services - Internet environment - Three phasis - Value
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

111. Successful e-commerce: The importance of brand management

Accession number: 20130716021992
Authors: Onojaefe, Darlington (1); Bytheway, Andy (1); Erwin, Geoff (1)
Author affiliation: (1) Faculty of Business Informatics, Cape Peninsula University of Technology, South Africa
Corresponding author: Onojaefe, D.(onojaefe@telkomsa.net)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 328-335
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper identifies and examines evidence of e-commerce failure in small and large businesses, focusing specifically on their Internet branding strategies, the impact of management actions and how those actions contribute

to e-commerce success. This paper argues that as we move to a more interactive mode of working with customers and competitors using Internet technology, the role of marketing is critical; within marketing, brand management is seen as a particularly important activity. The work reported here assembles evidence that brand management is indeed important, and that there is a lack of theories to guide brand management activities in an Internet context. Internet-related partnering opportunities with large firms remain a concern for smaller firms. It also reveals that much Internet research has taken a technical viewpoint although some experts have begun to make connections between Internet success and brand management.
Number of references: 32
Main heading: Electronic commerce
Controlled terms: Electronics industry - Marketing - Supply chains
Uncontrolled terms: Brand management - Branding strategies - Interactive mode - Internet research - Internet technology - Large business - Marketing IS - Smaller firms
Classification code: 723.5 Computer Applications
Computer Applications
- 911.4 Marketing
Marketing
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

112. Application frameworks technology in theory and practice

Accession number: 20130716022068
Authors: Zhang, Wusheng (1); Kim, Mik (2)
Author affiliation: (1) Centre for International Corporate Governance Research, Melbourne, Australia; (2) Centre for Hospitality and Tourism Research, Victoria University, Melbourne, Australia
Corresponding author: Zhang, W.(wusheng.zhang@vu.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 769-776
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Application frameworks is a technology concerning with building and implementing reusable software artefacts. Most current application frameworks are object-oriented and often domain specific. Advocates of application frameworks claim that the technology is one of the most promising technologies supporting large-scale reuse, increasing the productivity and quality, and reducing the cost of software development. Many of them project that the next decade would be the major challenge for the development and deployment of the technology. The objective of this study is to investigate the theory and practice of application frameworks and to determine if it has made a difference in systems development. The study indicates that the technology is still immature and not yet to be another silver bullet but potential is imminent.
Number of references: 35
Main heading: Computer software reusability
Controlled terms: Application programs - Electronic commerce - Electronics industry - Object oriented programming - Software design - Supply chains

Uncontrolled terms: Application frameworks - Domain specific - Object oriented - Reusable softwares - Systems development - Theory and practice
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

113. Document recommendation in organizations with personal folders

Accession number: 20130716022025
Authors: Huang, Chiu-Wen (1); Lai, Chin-Hui (1); Liu, Duen-Ren (1)
Author affiliation: (1) Institute of Information Management, National Chiao Tung University, Hsinchu, Taiwan
Corresponding author: Huang, C.-W.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 528-532
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: In organizations, knowledge workers usually have their own personal folders that store and organize needed codified knowledge (textual documents) in taxonomy. In such personal folder environments, providing knowledge workers needed knowledge from other workers' folders is important to facilitate knowledge sharing. This work adopts recommendation techniques to provide knowledge workers needed textual documents from other workers folders. Experiments are conducted to verify the performance of various methods using data collected from a research institute laboratory. The result shows that the CBF approach outperforms other methods.
Number of references: 11
Main heading: Information retrieval systems
Controlled terms: Collaborative filtering - Electronic commerce - Electronics industry - Knowledge management - Supply chains
Uncontrolled terms: Content based filtering - Document recommendation - Knowledge workers - Knowledge-sharing - Personal folder - Recommendation techniques - Research institutes - Textual documents
Classification code: 723.5 Computer Applications
Computer Applications
- 903.1 Information Sources and Analysis
Information Sources and Analysis
- 903.3 Information Retrieval and Use
Information Retrieval and Use
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

114. The study on RFID security method for Entrance Guard system

Accession number: 20130716021944
Authors: Hung, Y.C. ; Tsai, C.W. ; Hong, C.H.
Corresponding author: Hung, Y.C.(Andrew@mail.ncyu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 1-6
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The RFID technology has been used by industries in recent years, for examples, replacing the traditional two-dimensional barcode, logistics management, military applications, identification. In fact, RFID technology has become one of the new killer technologies. The RFID uses radio frequency to convey information which involves, however, many security problems; Current RFID guidelines do not present solutions to these security problems. The methods put forward in published paper fail to offer complete solutions, either. This study identifies RFID security method for Entrance Guard system. The algorithms used include Hash, AES, random values, XOR four item technology, and use the three-way authentication structure to solve the safety problems of the certification of Entrance Guard system. The experiment showed the algorithms provided better protection on the current RFID systems against attack methods such as Eavesdropping, Traceability, Spoofing and Replay attacking.
Number of references: 8
Main heading: Radio frequency identification (RFID)
Controlled terms: Electronic commerce - Electronics industry - Military applications - Smart cards - Supply chains
Uncontrolled terms: Complete solutions - HASH - Logistics management - Radio frequencies - RFID Technology - Safety problems - Security problems - Two-dimensional barcode
Classification code: 404.1 Military Engineering
Military Engineering
- 716.3 Radio Systems and Equipment
Radio Systems and Equipment
- 722.4 Digital Computers and Systems
Digital Computers and Systems
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

115. Diffusion of innovation: An investigation of e-Procurement assimilation in the Australian public sector

Accession number: 20130716021999
Authors: Vaidya, Kishor (1)
Author affiliation: (1) School of Mathematics, Statistics and Computer Science, University of New England, Armidale, NSW 2351, Australia

Corresponding author: Vaidya, K.(kishor@turing.une.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 372-377
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: As part of a larger research project whose objective was to determine the antecedent condition for e-Procurement assimilation, this paper assesses the diffusion of e-Procurement in the Australian public sector. With the help of an extensive literature review and pilot study, e-Procurement diffusion attributes were identified, a research model was developed and hypotheses were formulated. Based on the Diffusion of Innovation theory, it is hypothesized that perceived benefits and compatibility impact positively whereas the perceived complexities negatively impact the transactional and strategic assimilation of e-Procurement. A nationwide web-based survey of Procurement/e-Procurement professionals in the Australian public sector is in the final stage of completion at the time of writing of this paper and analysis of the complete set of data will be presented in the camera-ready version of the paper.
Number of references: 32
Main heading: Electronics industry
Controlled terms: Diffusion - Electronic commerce - Electronic data interchange - Purchasing - Supply chains
Uncontrolled terms: Assimilation - Australian public sectors - Diffusion of innovation theory - Diffusion of innovations - Electronic procurement - Literature reviews - Perceived benefits - Procurement
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

116. Dealing with Post-Kogeko

Accession number: 20130716022060
Authors: Moonen, Hans M. (1); Oink, Arthur C. (1); Van Hillegersberg, Jos (2)
Author affiliation: (1) RSM Erasmus University, Department of Decision and Information Sciences, Burg. Oudlaan 50, 3000 DR, Rotterdam, Netherlands; (2) University of Twente, Department of Information Systems and Change Management, P.O. Box 217, 7500 AE, Enschede, Netherlands
Corresponding author: Moonen, H.M.(hmoonen@rsm.nl)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 731-737
Language: English
ISSN: 16830040
Document type: Conference article (CA)

Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Inter-organizational systems are only used to some extend within the domain of transportation and logistics. Distributed agent technologies show a large potential to build a new generation of inter-organizational systems that overcome the hurdles earlier technologies were not able to take [2, 4]. In this paper we present an ongoing research project in which we try to establish a WebServices based agent platform to be used by a logistics service provider (LSP) in an inter-organizational context - which will connect the LSP's internal processes, with processes that span organizational boundaries and therefore is likely to result in interesting process improvements; cost savings and improved competitive advantage are expected outcomes. This paper describes the process we followed, and gives a glimp of our preliminary findings. We conclude the paper with a short discussion and our research agenda.
Number of references: 13
Main heading: Electronics industry
Controlled terms: Competition - Electronic commerce - Supply chains
Uncontrolled terms: Competitive advantage - Distributed agents - Inter-organizational - Inter-organizational systems - Logistics service provider - Organizational boundaries - Process Improvement - Research agenda
Classification code: 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

117. Competitive strategies for on-line advertisement-place auction

Accession number: 20130716022008
Authors: Zhang, E. (1)
Author affiliation: (1) Shanghai University of Finance and Economics, Shanghai, 200433, China
Corresponding author: Zhang, E.(eezhangee@hotmail.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 428-432
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: For the online problem of Internet Search Engines' Keyword Advertisement-place auction, two online models are present in this paper. The number of the auction phases is known or unknown beforehand respectively in the two models. For the first model we propose the Multi-Level of Accepted Price Strategy (abbr. MLAP) and prove it to be O(#1/4)-competitive, where ϕ is the ratio of the highest bid to the lowest one in the auction. For the second model a strategy similar to the first one (abbr. MLAP1) is put forward and proved to be $(2\sqrt{\phi}$ - 1)-competitive. Furthermore, the experimental results show that in both models the experimental ratios between what the optimal strategy and the online strategies gain are much better than the theoretical ones, indicating that the two strategies perform much better in

practice than in theory. In practice, these strategies may help to realize the automatic auction of heterogeneous objects that have similar traits to advertisement-places.
Number of references: 4
Main heading: Electronics industry
Controlled terms: Electronic commerce - Search engines - Supply chains
Uncontrolled terms: Advertisement-place auction - Competitive ratio - Competitive strategy - Heterogeneous object - Internet search engine - Online Strategy - Optimal strategies - Price strategies
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

118. The impacts of liberalization and privatization in Taiwanese electric industry

Accession number: 20130716022056
Authors: Cho, Ming-Yuan (1); Chen, Jung-Chin (1); Hwang, Jong-Ching (1)
Author affiliation: (1) Electrical Engineering Department, National Kaohsiung University of Applied Sciences, Taiwan
Corresponding author: Cho, M.-Y.(a092304104@cc.kuas.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 712-717
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Taiwanese electric industry with liberalization has been a rapid change in the management style and the working environment. The change of the working environment has made a notable impact on the working conditions and the job security of the employees. This paper presents a brief literature review of the influences of liberalization and privatization on workers attitudes and proposes six overarching factors of importance to workers. These factors are: (1) the safeguarding of workers' rights and interests (2) compensation of potential loss (3) communication (4) leadership trusts and employee consultation (5) participation of employees and the labor union (6) encouragement to learn and to cultivate a second specialty. These factors are developed as a framework which could serve to help decision-makers and leaders with useful strategies in the privatization process.
Number of references: 22
Main heading: Electronics industry
Controlled terms: Decision making - Electric industry - Electronic commerce - Job satisfaction - Privatization - Supply chains
Uncontrolled terms: Decision makers - Job security - Labor unions - Literature reviews - Management style - Potential loss - Privatization process - Working environment
Classification code: 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management

Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

119. Value chain crossing between SMEs and the banking industry

Accession number: 20130716022055
Authors: Beimborn, Daniel (1); Martin, Sebastian F. (1); Homann, Ulrich (1)
Author affiliation: (1) E-Finance Lab, Institute of Information Systems, Goethe University, Frankfurt, Germany
Corresponding author: Beimborn, D.(beimborn@wiwi.uni-frankfurt.de)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 702-711
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: What are future requirements for ERP solutions in small and medium-sized enterprises (SMEs)? The following research paper focuses on identifying interfacial areas between banking services and financial processes of SMEs. It should be possible for these services to be embedded into the information systems of SMEs in order to support their financial processes such as cash management, reconciliation, customer management and asset management in an automated, seamless manner. In this paper, we develop a framework and a methodology for our empirical explorative research, which are intended to be the foundation for investigating both financial processes within SMEs, as well as firms' willingness to adopt new services offered by banks. Furthermore, first results from four case studies indicate some promising results. But they also show particular problems from granting banks access to SMEinternal systems.
Number of references: 27
Main heading: Electronics industry
Controlled terms: Banking - Electronic commerce - Embedded systems - Enterprise resource management - Enterprise resource planning - Information management - Service industry - Supply chains
Uncontrolled terms: Banking industry - Banking services - Cash Management - Customer managements - Financial process - Interfacial areas - Research papers - Small and medium-sized enterprise
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

120. Privacy-preserving decision tree classification over horizontally partitioned data

Accession number: 20130716022015
Authors: Zhan, Justin (1); Matwin, Stan (1); Chang, Li Wu (2)
Author affiliation: (1) School of Information Technology and Engineering, University of Ottawa, Canada; (2) Center for High Assurance Computer Systems, Naval Research Laboratory, United States
Corresponding author: Zhan, J.(zhizhan@site.uottawa.ca)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 470-476
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Protection of privacy is one of important problems in data mining. The unwillingness to share their data frequently results in failure of collaborative data mining. This paper studies how to build a decision tree classifier under the following scenario: a database is horizontally partitioned into multiple pieces, with each piece owned by a particular party. All the parties want to build a decision tree classifier based on such a database, but due to the privacy constraints, neither of them wants to disclose their private pieces. We build a privacy-preserving system, including a set of secure protocols, that allows the parties to construct such a classifier. We guarantee that the private data are securely protected.
Number of references: 22
Main heading: Data privacy
Controlled terms: Classification (of information) - Data mining - Decision trees - Electronic commerce - Electronics industry - Supply chains - Trees (mathematics)
Uncontrolled terms: Collaborative data minings - Decision tree classification - Decision tree classifiers - Horizontally partitioned data - Privacy constraints - Privacy preserving - Protection of privacy - Secure protocols
Classification code: 716.1 Information Theory and Signal Processing
Information Theory and Signal Processing
- 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.4 Combinatorial Mathematics, Includes Graph Theory, Set Theory
Combinatorial Mathematics, Includes Graph Theory, Set Theory
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

121. A SCADA system application in load management

Accession number: 20130716022058
Authors: Cho, Ming-Yuan (1); Chen, Jung-Chin (1)
Author affiliation: (1) Electrical Engineering Department, National Kaohsiung University of Applied Sciences, Taiwan
Corresponding author: Cho, M.-Y.(a092304104@cc.kuas.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 725-728
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The aim of this research is to study the operation and management cost reduction of the telecom industry through the supervisor control and data acquisition (SCADA) system application during globalization, privatization and liberalization competition. Yet this management system can be proposed functions: prevent faults, operating monitors, the analysis on load characteristics and to drop the cost of management. Results indicated that the SCADA system has been highly willing to mobile and telecom industry in the development of power supply quality and to drop the operation and management cost. Also this research aims at measuring the benefit on SCADA system applications in telecom stations and to provide decision-makers and managers with useful operation and management strategies as reference.
Number of references: 8
Main heading: Information management
Controlled terms: Competition - Cost benefit analysis - Cost reduction - Decision making - Drops - Electric load management - Electronic commerce - Electronics industry - Privatization - SCADA systems - Supply chains
Uncontrolled terms: Decision makers - Load characteristics - Management systems - Operation and management - Power supply quality - Supervisor control - System applications - Telecom industry
Classification code: 706.1 Electric Power Systems
Electric Power Systems
- 723.5 Computer Applications
Computer Applications
- 731.1 Control Systems
Control Systems
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

122. A Last-Minute E-Auction for hotel rooms

Accession number: 20130716022080
Authors: Esichaikul, Vatcharaporn (1); Bechter, Clemens (1); Nhan, Le Thi (1)
Author affiliation: (1) Asian Institute of Technology, Thailand
Corresponding author: Esichaikul, V.(vatchara@ait.ac.th)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 835-838
Language: English
ISSN: 16830040

Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Electronic auctions have rapidly become one of the most widespread applications in electronic commerce. Within e-auctions, the online products are almost anything imaginable such as electronic parts, artwork, vacation packages, airline tickets, etc. In this paper, the reverse auction was implemented by proposing a suitable bidding mechanism for perishable products like hotel rooms. These vacant rooms should be sold as soon as possible before their value zeroes. Therefore, the Last-Minute Auction not only helps the buyers get their desired rooms, but also helps the hotels to selling their rooms in time. The research combined the Hungarian algorithm and Branch-and-Bound search to match the buyers' demand and the sellers' supply and optimizing the auction site's revenue.
Number of references: 8
Main heading: Hotels
Controlled terms: Electronic commerce - Electronics industry - Sales - Supply chains
Uncontrolled terms: Bidding mechanism - Branch and bound search - Electronic auction - Electronic parts - Hungarian algorithm - Last-minute auction - Perishable product - Reverse auction
Classification code: 402.2 Public Buildings
Public Buildings
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

123. Searching and ranking the suitable web services with the ontology-based measurements

Accession number: 20130716022099
Authors: Lin, Chun-Jung (1); Lo, T. Chin (1); Wu, Fan (2)
Author affiliation: (1) Institution for Information Industry, Taipei, 101, Taiwan; (2) Taiwan Department of Information Management, National Chung-Cheng University, Chia-Yi, 621, Taiwan
Corresponding author: Wu, F.(kfwu@mis.ccu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 971-976
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: One of the major problems for seamlessly electronic business is how to find a suitable web services. Only the syntax and semantic comparison do not precisely find the suitable web services for they are procedures embedded with a complicated thought. In this paper, we propose an effective approach based on the ontology to solve this problem. With the help of ontology-based metrics, we can measure a web service matching degree to a given request

and determine the rank in which the advertisement matches the request. Simulations are also performed, and the results show that our method can have a good precision and recall rate.
Number of references: 16
Main heading: Web services
Controlled terms: Electronic commerce - Electronics industry - Ontology - Semantics - Supply chains - Websites
Uncontrolled terms: Effective approaches - Electronic business - Ontology-based - Precision and recall - Searching and ranking - Service matching
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

124. MPDTN: A novel mobile payment scheme for secure and private transactions

Accession number: 20130716022019
Authors: Sue, Kuen-Liang (1); Tsai, Chung-Hsien (1)
Author affiliation: (1) Department of Information Management, National Central University, Jhongli City, Taoyuan County, Taiwan
Corresponding author: Sue, K.-L.(klsue@mgt.ncu.edu.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 496-504
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Mobile commerce is becoming more and more popular which makes it possible to purchase goods and services anywhere and anytime. However, traditional payment schemes do not suffice for our demand as more novel commercial services were provided. Therefore, it's urgent to construct a safer and more convenient payment scheme for the forthcoming mobile era. A mobile payment scheme is proposed in the paper. The scheme called MPDTN provides an ideal mobile payment with dynamic transaction numbers. Through it, consumers can pay fares by using mobile phones no matter in real store or virtual shop. Besides explaining our payment architecture and processes in detail, evaluation of the MPDTN's security from the aspect of defender and different roles of the attackers is provided in the paper. The investigation shows that, MPDTN can not only satisfy security criteria of confidence, integrity, authentication, and non-repudiation but also provide full transaction privacy to consumers.
Number of references: 21
Main heading: Mobile commerce
Controlled terms: Electronic money - Electronics industry - Global system for mobile communications - Supply chains
Uncontrolled terms: Commercial services - Mobile payment - Non repudiation - Payment schemes - Security and privacy - Security criterion - Virtual shops
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management

- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

125. 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005

Accession number: 20130716022101
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Language: English
ISSN: 16830040
Document type: Conference proceeding (CP)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS, Tilburg University, Netherlands
Abstract: The proceedings contain 156 papers. The topics discussed include: the study on RFID security method for entrance guard system; building ubiquitous computing environment by using RFID in aircraft MRO process; outbound delivery using RFID in sap system; RFID technology enhancing supply chain competence and e-business: an opportunity or a threat?; adoption of wireless handheld technology: a case of Queensland healthcare; managing coordination costs of inter-organizational relationships: an analysis of determinants; a proposed framework for influencing factors of partnership in e-Taiwan collaborative commerce; a proposed model of the effects of IT diffusion on organizational absorptive capacity and CRM innovation success; a customer-support knowledge network integrating different communication elements for an e-commerce portal using self organizing maps; and a study of online customer loyalty based on the theory of planned behavior.
Abstract type: (Edited Abstract)
Page count: 981
Database: Compendex

Data Provider: Engineering Village

126. The roles of social capital in online P2P lending markets under different cultures: A comparision of China and America

Accession number: 20130716014381
Authors: Qiu, Jiaxian (1); Xu, Yun (1); Chen, Dongyu (1); Zhang, Guosheng (1)
Author affiliation: (1) Laboratory for Financial Intelligence and Financial Engineering, School of Economics and Information Engineering, Southwestern University of Finance and Economics, Chengdu, Sichuan, China
Corresponding author: Qiu, J.(Jessieqjx@gmail.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 10th International Conference on Electronic Business - Service-Oriented E-Business, ICEB 2010
Issue date: 2010
Publication year: 2010
Pages: 193-201
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 10th International Conference on Electronic Business - Service-Oriented E-Business, ICEB 2010
Conference date: December 1, 2010 - December 4, 2010

Conference location: Shanghai, China
Conference code: 95368
Sponsor: Shanghai Jiaotong Univ., Antai Coll. Econ. Manage.
Publisher: CEUR-WS
Abstract: Online P2P (People-to-People or Peer-to-Peer) lending has very rapid development since it was appeared in 2005. In order to mitigate asymmetric information between borrowers and lenders, some online P2P market allows members building their social networks (such as Prosper, CommunityLend, PPDai etc). By empirical analyzing the transaction data of Prosper (largest P2P market in US) and PPDai (largest P2P market in China), the paper verifies that the social capital systems have a positive influence on borrower's loan performance on the markets. However, on both markets, the loan interest rate mainly dependents on borrower's hard information rather than their social capital. Furthermore, it concludes that borrower' social network in PPDai is much more useful and effective than in Prosper by comparing the empirical results, which could be helpful for the credit system development of Chinese online P2P lending markets based on the conclusions.
Number of references: 33
Main heading: Social networking (online)
Controlled terms: Electronic commerce - Electronics industry - Finance - Peer to peer networks
Uncontrolled terms: Asymmetric information - Credit system - Cross culture - Interest rates - Loan Performance - P2p lending - Social capitals - Transaction data
Classification code: 722 Computer Systems and Equipment
Computer Systems and Equipment
- 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

127. Improving the adoptability of a mobile service: A case study

Accession number: 20130716022197
Authors: Vatanparast, R. ; Qadim, H. ; Ebrahimi, M.
Corresponding author: Vatanparast, R.(raminvp@yahoo.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 9th International Conference on Electronic Business: Ubiquitous e-Services in Digital Society, ICEB 2009
Issue date: 2009
Publication year: 2009
Pages: 754-762
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 9th International Conference on Electronic Business, ICEB 2009
Conference date: November 30, 2009 - December 4, 2009
Conference location: Macau, China
Conference code: 95367
Sponsor: Chin. Univ. Hong Kong, Fac. Bus. Adm.; The Chinese University of Hong Kong, Chung Chi College
Publisher: CEUR-WS
Abstract: Mobile technologies are penetrating into everyday lives of people and are providing miscellaneous services on the mobile device for users. Most of researches in this area have been done after the introduction of the service to the market. In this tough market, service providers need to know exactly which elements of their services or technologies can be improved before final stage of development and surely before launching the application or service. This article studies intentions to use a service, through a mobile application, for possible improvements in adoptability of the service. The Nysveen et al's integrated model (2005) has been utilized for conducting the research and data was collected over a survey study. Such insights allow mobile service providers and mobile marketers to create more customized services. This paper concludes with both theoretical and practical implications and limitations of the study results.
Number of references: 46
Main heading: Electronics industry
Controlled terms: Electronic commerce - Mobile computing

Uncontrolled terms: Adoption model - Attitude towards the use - Intention towards the use - Mobile applications - Mobile service - Service adoption
Classification code: 723.5 Computer Applications
Computer Applications
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

128. E-markets and changing trends

Accession number: 20130716021985
Authors: Singh, Mohini (1)
Author affiliation: (1) School of Business Information Technology, RMIT University, Australia
Corresponding author: Singh, M.(mohini.singh@rmit.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 290-295
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper discusses the role of e-markets as intermediaries in the Australasian B2B e-space. The discussion and findings of this paper are from a research project that investigated the business and operational issues of these intermediaries as highly volatile business entities in 2002 and an evaluation of these same e-markets in 2005 to determine the changing trends. This paper presents business opportunities, revenue models from intermediary services, factors contributing to success and the challenges e-markets faced in 2002 and in 2005.
Number of references: 23
Main heading: Electronics industry
Controlled terms: Electronic commerce - Supply chains
Uncontrolled terms: E-auctions - E-Market - E-marketplaces - e-Procurement - eBusiness - Intermediaries - Market-maker
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

129. Different individual's impact on learning performance in virtual reality

Accession number: 20172703889013
Authors: Shih, Yungchi (1); Chang, Hsin-Lu (1); Sun, Routing (1)
Author affiliation: (1) National Chengchi University, Taiwan
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Volume: 0
Part number: 1 of 1

Issue title: Proceedings of the 16th International Conference on Electronic Business: Internet Plus, ICEB 2016
Issue date: 2016
Publication year: 2016
Pages: 40-43
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 16th International Conference on Electronic Business, ICEB 2016
Conference date: December 4, 2016 - December 8, 2016
Conference location: Xiamen, China
Conference code: 128172
Publisher: CEUR-WS
Abstract: Motivation This study cooperated with National Palace Museum and the aim is to determinate the difference between various personal characteristics on learning performance in virtual reality (VR), to find out what kind of personality can have a better impact on performance and also want to raise people's interests in learning by using virtual reality. According to the current application on VR, it has been widely utilized in surgery simulation, aircraft simulation training and as we can see now, VR is getting more and more popular in gaming filed. Also, there already have many studies discussed about the VR, for example, many studies ([1]Witmer & Singer, 1998; [2]Steuer, 1992; [3] Rafaeli , 1988) discussed the factors which may influence user's experience in virtual environment and also there already have been lots of literatures ([4] Heeter, 1992; [5] Sanchez-Vives & Slater., 2005;[1] Witmer & Singer, 1998) talked over the indicator which can measure user's experience, the indicator we call it 'presence' and will talk about it later. In addition, there has another literatures proposed another indicator to measure user's experience, it's called 'engagement'. In this study we will talk about them and use them to measure how much subjects involve in the virtual environment. But as we can see now, there are not so much application on educational field in VR. Otherwise, most of the literatures talked about what kind of usage in technology can have better presence to user or what kind of presence user would have when they experienced VR, also as we mentioned above, the application of VR in surgery simulation or aircraft stimulation training etc. With the chance if cooperating with the National Palace Museum, it's a good opportunity to do a research on it, National Palace Museum provide virtual reality equipment and the educational content to us, we dedicated to find out the different individual's impact on the usage of VR and also explore what kind of channels can have better presence or engagement to users and find the suitable content usage in different channel. After all, our aim is to let the application of VR can have more possibility in different field such as education and make people have more interests in learning the history of antiquities by using the virtual reality equipment which is supplied by National Palace Museum. Research objective In order to find the difference between various individuals, we can compare user's experience by measuring the presence and the engagement as the indicator we mentioned in the last paragraph. According to the past literatures, we can see that there are different methods can measure how much involvement user have in virtual environment, but the presence is the commonest one, in addition to this, we also take the engagement as one of our indicators, which can let us know how much enjoyment users have when they experience in the virtual environment, because if user have more enjoyment in VR, it will arouse their interests in learning things, this is one of our objective too. Also, because there were not so much essays discussed the usage of VR in the field of education. By the opportunity to cooperate with National Palace Museum, we will focus on the application on it and find out whether different personal characteristics can perform different learning performance when they are learning something in virtual environment. In today, the VR is becoming more and more common and popular, there are many news talked about it and also many company are doing research and developing the equipment of VR, such as the famous virtual reality headset, HTC vive, which is developed by HTC and Valve Corporation, released on 5 April 2016. It is a first-of-its-kind virtual reality system. Aside from this, the Oculus Rift which is developed by Oculus VR, released on March 28 2016 is also one of the well-known virtual reality equipment. As to this world trend we hope to have a contribution to the application of VR in education, make the VR have more usage in different field. Literature review For evaluating user's experience, as mentioned before, we use presence and engagement as our indicators. Refer to the past literatures, there had many definition about presence, in this study we categorized it in three types, environmental presence, 'The extent to which the environment itself appears to know that you are there and to react to you' ([4]Heeter, C., 1992), personal presence, 'A measure of the extent to which and the reasons why you feel like you are in a virtual world' ([4]Heeter, C., 1992), social presence, "as individuals' perception of the medium to connect them to each other and create sociable, warm, and intimate interaction'([6]Lombard, M., & Ditton, T., 1997). In this study, because of restricting to the equipment and the content of VR which are provided by National Palace Museum, we will focus on discussing environmental presence and personal presence. And also as we mentioned, engagement, 'which reflects an individual's subjective enjoyment in a holistic experience with technology' ([7] Yi, Jiang, & Benbasat, 2015). By using this indicators, we designed a questionnaire to measures them, after reviewing several literatures about presence questionnaire ([8]Witmer, Jerome, & Singer, 2005; [9]Slater, & Steed, 2000; [10]siter, Freeman, Keogh, & Davidoff, 2001). we have picked some items from them to make it suitable to our experiment. As to appendix, there has several items, different items belongs to different

indicators, and for the personality we used the big five personality trait to analysis, but the questionnaire is still on designing, so the items including in this abstract is the example from the recent finding, it's not the final vision of our questionnaire. Research framework For the purpose of measuring presence, we have reviewed many literatures and found out several factors that may impact the presence, in here, we summarize the elements into two parts, individual differences and technology. Individual differences, refer to [1] Witmer & Singer, (1998), they noted that the distraction factors and the realism factor may have impact on presence, these two factors are both related to personal difference. So according to these two factors, we expect personality, previous experience, attention and personal interests as the important elements of the presence. Also, according to [2]Steuer (1992), we knew that technology is one of the important factors may influence presence, for example, the resolution in virtual environment. Moreover, presence will impact user's learning performance. So by the means of measuring presence, we can find out the important factors which can have a better impact on performance. For another indicator, engagement, we have found that we can measure it and know how much enjoyment user will have after they experience virtual environment. Because one of our objective is arousing people's interests in learning by using VR, it's important for us to know whether they engage in the virtual environment or not. If they have better performance in engagement it means that people really enjoy the experience in VR. If they enjoy it, it means that they may like the content which they experience and will let them have more interests in it. On the contrary, if they don't enjoy it, there are two main reason, one is that they may not really like the content and another is the equipment is not comfortable to them. According to this, people may not want to learn more about the things they see or listen in the virtual environment, because they don't have good experience. By measuring engagement, it will help us know whether the content is attractable to users. We hope to help National Palace Museum find the suitable content and arouse people's interest in learning more about the cultural relics. Research plan and expected contribution As to the framework we mentioned in the last paragraph, one of our purpose is finding out the important factor that may impact user's learning performance in VR, so we need to evaluate different user's presence. For example, users have experience in using VR may have better learning performance than those who never use it before, or the users who have interest in the virtual reality's content may have different presence to those who don't have, and whether user have experience in visiting museum or not will also have difference between them. Our another objective is attracting people's interests, we will design a questionnaire to measure engagement as we mentioned before, by measuring this we can know the content is attractable and also can help National Palace Museum to design their future content in VR. Regarding to the experiment, because we want to find out the difference individual's impact, we will give them prerequisite questionnaire and separate the subjects into two groups by the result. The two groups are treatment group and control group, let the subjects have task in virtual environment which is supplied by National Palace Museum and we may give them some task, after the experiment, we will observe the task performance (in here it means learning performance) and give them questionnaire which is design by us, then we can measure the presence and engagement. Our experiment's content and equipment is provided by National Palace Museum, the equipment is HTC Vive head-mounted display, with a camera near the bottom rim, two wireless handheld controllers and two 'lighthouse' base stations. Regarding to the content, there are some of the famous antiquities being stimulated in VR, such as the most famous one, jadeite cabbage with insects, one hundred stallions and some crafts, all of them are arrange in a place which looks like a room in the museum, user can walk around the room and watch the exhibits or interact with some of them.

Number of references: 11
Main heading: Virtual reality
Controlled terms: Behavioral research - Buildings - Controllers - E-learning - Education - Electronic commerce - Electronics industry - Helmet mounted displays - Silicate minerals - Surgery - Surgical equipment - Surveys - Technology transfer - Training aircraft - User experience - Virtual corporation
Uncontrolled terms: Environmental presence - Head mounted displays - Individual Differences - Personal characteristics - Personal presence - Presence - Virtual reality system - Virtual-reality headsets
Classification code: 402 Buildings and Towers
Buildings and Towers
- 461.6 Medicine and Pharmacology
Medicine and Pharmacology
- 462.1 Biomedical Equipment, General
Biomedical Equipment, General
- 482.2 Minerals
Minerals
- 652.1 Aircraft, General
Aircraft, General
- 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 732.1 Control Equipment

Control Equipment
- 912.2 Management
Management
- 971 Social Sciences
Social Sciences
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

130. Outbound delivery using RFID in SAP system

Accession number: 20130716021946
Authors: Wang, Sheng (1); Wang, Dong (1)
Author affiliation: (1) Class B0303395, School of Software, Shanghai Jiao Tong University, 800 Dong Chuan Road, Shanghai, China
Corresponding author: Wang, S.(ion214@sjtu.edu.cn)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 11-16
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Wang Sheng is a developer for the RFID solution; he is interested in RFID middleware and SAP RFID solutions. He is a master student at Shanghai Jiao Tong University. From Sep.2004 - Jan. 2005, he is working a RFID Demo center project in Shanghai, and this article is about a Outbound Delivery process in SAP system with RFID technology. Wang Dong is professor at Shanghai Jiao Tong University. His area of expertise is logistics solution and RFID technology. This paper will tell you how RFID make magic in outbound delivery process.
Number of references: 5
Main heading: Electronics industry
Controlled terms: Electronic commerce - Middleware - Supply chains - Tools
Uncontrolled terms: Business software - Delivery process - Logistics solution - Master students - RFID Middleware - RFID Technology - SAP systems
Classification code: 723.1 Computer Programming
Computer Programming
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

131. Knowledge as a business opportunity - Knowledge transfer practices in finnish AEC industry networks

Accession number: 20130716014125
Authors: Surakka, Teemu (1)

Author affiliation: (1) TKK / BIT Research Centre, Finland
Corresponding author: Surakka, T.(teemu.surakka@tkk.fi)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: ICEB + eBRF 2006 - Global Conference on Emergent Business Phenomena in the Digital Economy
Issue date: 2006
Publication year: 2006
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: Joint 6th International Conference on Electronic Business and Research Forum to Understand Business in Knowledge Society, ICEB + eBRF 2006
Conference date: November 28, 2006 - December 2, 2006
Conference location: Tampere, Finland
Conference code: 95359
Publisher: CEUR-WS
Abstract: Facing an increasing competition from their foreign counterparts Finnish Architecture, Engineering and Construction (AEC) industry is utilizing value networks in their operations and trying to make the most of their knowledge about the end users and the life cycle management of buildings. However, the knowledge management practices in the industry are still in its infancy in many respects and this creates possibilities for competitive advantage and new business opportunities. The focus of this paper is on the knowledge creation and transfer as a source of business opportunities in AEC industry. This paper is based on literature review and the viewpoints of the companies operating in different parts of the life cycle of buildings. These viewpoints were collected in 20 in-depth interviews during August 2005 and May 2006. A broad coverage of all the important interest groups, in the field of construction and maintenance of buildings, were fairly included in the interviews to construct comprehensive picture of the knowledge transfer practices and possible business opportunities related to them.
Number of references: 32
Page count: 9
Main heading: Competition
Controlled terms: Construction - Electronics industry - Knowledge management - Life cycle
Uncontrolled terms: AEC industry - Architecture , engineering and construction industries - Business opportunities - Competitive advantage - Emerging opportunities - Knowledge management practices - Knowledge transfer - Value network
Classification code: 405 Construction Equipment and Methods; Surveying
Construction Equipment and Methods; Surveying
- 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

132. Causes and effects of online industry M&A between international internet giants and local companies - Evidence from China

Accession number: 20130716021970
Authors: Qiu, Bin (1); Sun, Shaoqin (2); Fan, Cunyan (3); Chen, Shujen (4)
Author affiliation: (1) School of Economics and Management, Southeast University, Nanjing, 210096, China; (2) Dept. of Economics and Trade, Nanjing Information Engineering University, Nanjing, 210044, China; (3) Netease Company, Guangzhou, 510665, China; (4) California State University, Fullerton, United States
Corresponding author: Qiu, B.(binqiu@tom.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 183-186

Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper aims at identifying the inside reasons of M&A(Merger and Acquisition) of online industry in China between international Internet giants and local companies and exploring the basis on which online industry can develop steadily and thus have a successful and sustainable business model. In the meanwhile, a case study will be made by analyzing the causes of the merger of Yahoo China into Alibaba from the perspectives of both parties. Then, this paper points out the possible effects of this merger on China's online industry. In the end, some conclusions will be made on how to build up core competence in online industry in a unique business circumstance in China. US Internet giant Yahoo ended its six years of independent operations in China since August 2005 and joined forces with Chinese leading e-commerce company Alibaba.com. Yahoo China will transfer all operations in China including an Internet portal, e-mail services, instant messaging, Internet search services and its keyword services to Alibaba as well as paying US$1 billion for a 40 per cent stake in Alibaba. This Merger is not only a single commercial buying case but also a symbol for creation of new revenue model in China. [2].
Number of references: 5
Main heading: Electronics industry
Controlled terms: Electronic commerce - Mergers and acquisitions - Merging - Search engines - Supply chains
Uncontrolled terms: China - Core competence - eBusiness - Instant messaging - Internet portals - Internet searches - Online industry - Sustainable business
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

133. The Selected implications on effects to traditional business sectors of increasing marketing in WWW - Tentative findings

Accession number: 20130716014135
Authors: Ahoniemi, Lea (1); Ahoniemi, Maria-Riitta (2)
Author affiliation: (1) School of Economics and Business Administration, University of Tampere, Finland; (2) Faculty of Economics and Administration, University of Tampere, Finland
Corresponding author: Ahoniemi, L.(lea.ahoniemi@uta.fi)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: ICEB + eBRF 2006 - Global Conference on Emergent Business Phenomena in the Digital Economy
Issue date: 2006
Publication year: 2006
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: Joint 6th International Conference on Electronic Business and Research Forum to Understand Business in Knowledge Society, ICEB + eBRF 2006
Conference date: November 28, 2006 - December 2, 2006
Conference location: Tampere, Finland
Conference code: 95359
Publisher: CEUR-WS

Abstract: The use of internet marketing of the durable goods has provided many implications on trading and service processes such as real estate and car trading business in Finland. The objectives of transaction and trading, i.e. the houses and cars, are not yet actually sold via internet. Hence, the digitalized services and modern market places should be constructed in order to satisfy future coming needs of e-business. In this paper of time serial research and data concerning internet utilization and it's implications on business process of car trading and real estate business. The phenomena are pointed out by multivariate analyses, especially factor analyses in time serial data 2002-2006. The use of internet in information retrieval has increased from 66% (2002) into 81% (both 2004 and 2006) of questionnaire fulfilled customers in real estate business. In second hand car trading business the comparable amount of internet users has increased from 56 % (2003) to 75 % (2005) of all answered customers. The main focus is to analyze the development of phenomena concerning the increasing role of internet as information source in purchasing process, especially comparing value chain theories and information retrieval in real estate and used car markets. The time serial analyses points out at least the main competitiveness factors of the website marketing. Also some expected development of competitive capabilities are presented in the conclusion part of study.
Number of references: 26
Page count: 8
Main heading: Automotive industry
Controlled terms: Competition - Electronic commerce - Electronics industry - Factor analysis - Information retrieval - Multivariant analysis - Purchasing - Railroad cars - Sales
Uncontrolled terms: Competitive capabilities - Competitiveness factors - eBusiness - Information sources - Internet marketing - Internet usage - Multi variate analysis - Real estate
Classification code: 682.1.1 Railroad Cars
Railroad Cars
- 723.5 Computer Applications
Computer Applications
- 903.3 Information Retrieval and Use
Information Retrieval and Use
- 911.2 Industrial Economics
Industrial Economics
- 922 Statistical Methods
Statistical Methods
- 922.2 Mathematical Statistics
Mathematical Statistics
Numerical data indexing: Percentage 8.10e+01%
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

134. Welcome Message from Conference Chairs

Accession number: 20130716022100
Authors: Cheung, Waiman ; Du, Timon
Corresponding author: Cheung, W.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Language: English
ISSN: 16830040
Document type: Journal article (JA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS, Tilburg University, Netherlands
Page count: 1
Database: Compendex

Data Provider: Engineering Village

135. Information technology management at a religious organization

Accession number: 20130716022031
Authors: Huang, Albert (1)
Author affiliation: (1) Eberhardt School of Business, University of the Pacific, Stockton, CA, 95211, United States
Corresponding author: Huang, A.(Ahuang@Pacific.Edu)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 562
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Religious organizations face many of the same problems that business organizations face. The study describes information technology management issues facing a mid size religious organization, and the process it went through to organize its knowledge management efforts.
Main heading: Knowledge management
Controlled terms: Electronic commerce - Electronics industry - Industrial management - Information systems - Supply chains
Uncontrolled terms: Business organizations - Information technology management
Classification code: 723.5 Computer Applications
Computer Applications
- 903.2 Information Dissemination
Information Dissemination
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.2 Management
Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Database: Compendex

Data Provider: Engineering Village

136. Model of information security engineering based on SSE-CMM

Accession number: 20130716022023
Authors: Yang, Hong (1); Yang, De-Li (1); Zheng, Zhi (1)
Author affiliation: (1) System Engineering Research Institute, Dalian University of Technology, 116023, China
Corresponding author: Yang, H.(yh.Maggie@163.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 518-521
Language: English
ISSN: 16830040
Document type: Conference article (CA)

Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: On the basis of the project thought of SSE-CMM, this paper presents a kind of information security engineering model based on SSE-CMM. And it expounds the concrete work at each stage in the course of security engineering in detail.
Number of references: 16
Main heading: Security systems
Controlled terms: Electronic commerce - Electronics industry - Security of data - Supply chains
Uncontrolled terms: Concrete works - Information system security - Security engineering - SSE-CMM
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 914.1 Accidents and Accident Prevention
Accidents and Accident Prevention
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

137. Collaborative Forecasting under CPFR

Accession number: 20130716021950
Authors: Co, Henry C. (1); Roxas, Juanita (1)
Author affiliation: (1) College of Business, California State Polytechnic University, 3801 W. Temple Ave., Pomona CA 91768, United States
Corresponding author: Co, H.C.(hco@csupomona.edu)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 41-46
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Collaborative Planning, Forecasting and Replenishment (CPFR®) is an inter-industry initiative driven by the Voluntary Interindustry Commerce Standards Associ-ation (VICS) to improve partnership between manufacturers and distributors/retailers through the exchange of informa-tion. This paper examines the assessment, communication, and reconciliation of forecast errors under CPFR®. A basic spreadsheet program is used to demonstrate how to facilitate analyses. Instructors can use this exercise to demonstrate examples in the classroom.
Number of references: 23
Main heading: Electronics industry
Controlled terms: Electronic commerce - Forecasting - Supply chains
Uncontrolled terms: Collaborative forecasting - Collaborative planning , forecasting and replenishments - Forecast errors - Spreadsheet program

Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

138. Adopting electronic commerce as a competitive strategy in Malaysian Electronics SMIs

Accession number: 20130716022066
Authors: Singh, Kamal Jit (1); Ritchie, Barry (1); Xu, Jun (1)
Author affiliation: (1) Graduate College of Management, Southern Cross University, Australia, Tweed Gold Coast Campus, Brett Street, Tweed Heads, NSW 2485, Australia
Corresponding author: Singh, K.J.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 759-762
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The research examines the required conditions and suitable model of Vertical Hub for Malaysian Electronics SMIs. The conditions required for a Vertical Hub were found in the Malaysian Electronics SMI sector and therefore, a Vertical Hub was supported. This research also reveals that the nature of transactions and business arrangements in the Malaysian Electronics SMI sector best suited the Exchange model of the Vertical Hub. The results of this study have both theoretical and practical implications.
Number of references: 18
Main heading: Electronics industry
Controlled terms: Electronic commerce - Supply chains
Uncontrolled terms: Competitive strategy - Exchange models - Malaysians - Vertical Hub
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

139. The impacts of national cultures on customer relational benefit - Loyalty link: A study of the chinese community

Accession number: 20130716022070
Authors: Yen, Hsiu Ju (1); Li, Eldon Y. (2); Song, Yiping (3)
Author affiliation: (1) National Central University, Chung Li, Taiwan; (2) National Chengchi University, Taipei, Taiwan; (3) Fudan University, Shanghai, China

Corresponding author: Yen, H.J.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 781-782
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS, Tilburg University, Netherlands
Number of references: 13
Database: Compendex

Data Provider: Engineering Village

140. Managing wireless communications in taxi services

Accession number: 20130716022074
Authors: Liao, Ziqi (1)
Author affiliation: (1) Department of Finance and Decision Sciences, Hong Kong Baptist University, Kowloon, Hong Kong
Corresponding author: Liao, Z.(victor@hkbu.edu.hk)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 804-806
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper describes the wireless communications in the context of taxi service operations. Human-system interaction is necessary to taxi vehicle dispatching. However, the process is influenced by various variables in relation to dispatch data conveyed to drivers, display panel, mechanical noise and vibration. The in-vehicle wireless dispatch interface must be ergonomically designed to cope with environmental influences. The findings have practical implications for managing services operations.
Number of references: 9
Main heading: Vibrations (mechanical)
Controlled terms: Electronic commerce - Electronics industry - Motor transportation - Supply chains - Taxicabs
Uncontrolled terms: Display panels - Environmental influences - Human-system interaction - Mechanical noise - Service operations - Technology managements - Vehicle dispatching - Wireless communications
Classification code: 662.1 Automobiles
Automobiles
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management

- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 931.1 Mechanics
Mechanics
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

141. An overview of reverse logistics management in the australian manufacturing industries

Accession number: 20130716022083
Authors: Dissanayake, Dushantha (1); Singh, Mohini (1)
Author affiliation: (1) School of Business Information Technology, RMIT University, P O Box 2476V, Melbourne VIC, Australia
Corresponding author: Dissanayake, D.(dushantha.dissanayake@rmit.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 856-867
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper is a discussion of reverse logistics management literature, a conceptual model showing the recovery processes and their relationships, preliminary research data, analysis and implications for the manufacturing organisations. A discussion of the findings and their implications highlighting the important role of information technologies for efficient data collection and processing of recovery operations lead to capturing value from effective management of reverse logistics.
Number of references: 52
Main heading: Electronics industry
Controlled terms: Data handling - Electronic commerce - Industrial research - Recovery - Supply chains
Uncontrolled terms: Conceptual model - Data collection - Effective management - Manufacturing industries - Manufacturing organisations - Recovery process - Reverse logistics - Reverse logistics managements
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 912.1 Industrial Engineering
Industrial Engineering
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

142. Knowledge management in small and medium enterprises: An Australian study

Accession number: 20130716022029

Authors: Xu, Jun (1); Sankaran, Shankar (1); Faranda, Ben (1)
Author affiliation: (1) Graduate College of Management, Southern Cross University, Australia, Tweed Gold Coast Campus, Brett Street, Tweed Heads, NSW 2485, Australia
Corresponding author: Xu, J.(jxu@scu.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 550-555
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This research aims to examine the factors influencing the knowledge management practices in Australian SMEs. Primary data was collected by studying companies in Tweed and Gold Coast areas. Besides the academic contribution to the field of knowledge management, this research will be able to provide applicable and practicable suggestions on the knowledge management practices to SMEs in Australia.
Number of references: 37
Main heading: Knowledge management
Controlled terms: Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Australia - Content analysis - Knowledge management practices - Primary data - Qualitative method - Small and medium enterprise - SMEs
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

143. Identifying micro projects for improvement of e-readiness of Sri Lanka

Accession number: 20130716021976
Authors: Dhayalan, Velauthapillai (1); Davidrajuh, Reggie (2)
Author affiliation: (1) Computer Science, Bergen University College, Norway; (2) Electrical and Computer Engineering, University of Stavanger, Norway
Corresponding author: Dhayalan, V.(vdh@hib.no)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 219-223
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358

Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper focuses on identification of micro projects for improvement of e-readiness of Sri Lanka. First, the proposed strategy by the Government of Sri Lanka is presented. Second, from the proposed strategy, requirement analysis is done to draw a set of requirements, using two approaches: a) E-readiness measurement, b) System analysis using the theory of connection. Third, from the requirements, a set of projects are identified that can improve e-readiness of Sri Lanka; though different types of projects are identified, emphasis is given to micro projects that are people-centric, low-cost, and sustainable.
Number of references: 12
Main heading: Electronics industry
Controlled terms: e-government - Electronic commerce - Supply chains
Uncontrolled terms: E-readiness - Low costs - Micro projects - Requirement analysis - Sri Lanka - Theory of connections
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

144. Does size matter in knowledge management: A comparison between large organizations and SMEs

Accession number: 20130716022030
Authors: Xu, Jun (1); Quaddus, Mohamemd (2); Sankaran, Shankar (1); Faranda, Ben (1)
Author affiliation: (1) Graduate College of Management, Southern Cross University, Australia, Tweed Gold Coast Campus, Brett Street, Tweed Heads, NSW 2485, Australia; (2) Graduate School of Business, Curtin University of Technology, Australia, GPO Box U 1987, Perth, WA 6845, Australia
Corresponding author: Xu, J.(jxu@scu.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 556-561
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This research intends to identify the differences and similarities of knowledge management in Large organizations and Small and Medium size enterprises (SMEs). Primary data were collected by interviewing five large businesses and ten SMEs. Besides the academic contribution to the field of knowledge management, this research will be able to provide applicable and practicable suggestions on the knowledge management practices to businesses in Australia.
Number of references: 45
Main heading: Knowledge management
Controlled terms: Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Australia - Content analysis - Knowledge management practices - Large business - Large organizations - Qualitative method - Small and medium-size enterprise (SMEs) - SMEs
Classification code: 723.5 Computer Applications

Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

145. Trends in the delivery and utilization of enterprise ICT

Accession number: 20130716022049
Authors: Vorisek, Jiri (1)
Author affiliation: (1) Department of IT, University of Economics Prague, W. Churchill Sq. 4, 130 67 Prague 3, Czech Republic
Corresponding author: Vorisek, J.(vorisek@vse.cz)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 672-680
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: In this decade, we can expect changes in enterprise information systems that are even more dramatic than the changes in the last decade of the previous century. The changes will have an impact on end-user organisations as well as on suppliers of ICT products and services. They will also influence the number of graduates in ICT disciplines that will be needed and the type of qualification they will require. The aim of this article is to shed light on these changes and suggest how end-user organisations, ICT supplier organisations and universities can prepare for them.
Number of references: 24
Main heading: Electronics industry
Controlled terms: Electronic commerce - Supply chains
Uncontrolled terms: End users - Enterprise information system - ICT products
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

146. The adoption of mobile short message services: Implications for managing value-added services in the telecommunications industry

Accession number: 20130716022036
Authors: Liao, Ziqi (1)
Author affiliation: (1) Department of Finance and Decision Sciences, Hong Kong Baptist University, Kowloon, Hong Kong
Corresponding author: Liao, Z.(victor@hkbu.edu.hk)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 596-598
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper empirically explores several variables associated with the adoption of mobile short message services (SMS) from the consumer perspective. The results suggest that perceived usefulness, ease of use, behavioral control and reliability significantly explain the consumers' behavioral intention to use the mobile message services. The findings have practical implications for managing the valueadded services in the telecommunications industry.
Number of references: 23
Main heading: Mobile commerce
Controlled terms: Consumer behavior - Electronics industry - Service industry - Supply chains - Telecommunication industry - Telecommunication services - Text messaging
Uncontrolled terms: Behavioral control - Behavioral intention - Message service - Perceived usefulness - Several variables - Short message services - Telecommunications industry - Value added service
Classification code: 716 Telecommunication; Radar, Radio and Television
Telecommunication; Radar, Radio and Television
- 718 Telephone Systems and Related Technologies; Line Communications
Telephone Systems and Related Technologies; Line Communications
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 931.3 Atomic and Molecular Physics
Atomic and Molecular Physics
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

147. CBR based risk management for virtual organization

Accession number: 20130716022047
Authors: Huang, Min (1); Xu, Fei (1); Wang, Xingwei (1); Ip, W.H. (2)
Author affiliation: (1) Faculty of Information Science and Engineering, Northeastern University Shenyang, Liaoning, 110004, China; (2) Department of Industrial and Systems Engineering, Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong
Corresponding author: Huang, M.(mhuang@mail.neu.edu.cn)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 662-666
Language: English
ISSN: 16830040
Document type: Conference article (CA)

Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: After researching various factors that influence the management and decisions on risk management of virtual organization, CBR based risk management for virtual organization is proposed in this paper. Relevant theories of fuzzy mathematics are utilized in the process of modifying the corresponding similar cases. Correct application of the new method is demonstrated substantially through instance simulation.
Number of references: 5
Main heading: Risk management
Controlled terms: Case based reasoning - Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Fuzzy mathematics - Similar case - Virtual organization
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

148. Assessing of a new customer services system's use in Internet environment

Accession number: 20130716022075
Authors: Zhou, Chuan-Hua (1); Zhao, Bao-Hua (2)
Author affiliation: (1) School of Management Science and Engineering, AHUT, 243002, China; (2) University of Science and Technology of China, 230026, China
Corresponding author: Zhou, C.-H.(chzhou@ahut.edu.cn)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 807-809
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Assessing use is very important for organizations selling and using customer services system in Internet environments. Based on a conceptual model, this paper is to empirically study individuals' assessments of a new customer services system in Internet environment. The model has three phases; pre-use, test and use. In relation to the three phases, the concepts of value and quality are discussed. The main contribution of this paper is the understanding of the difference between the concepts of value and quality being illustrated in the conceptual model. Customers' assessment of value and quality could have implications for companies developing new customer services system in Internet environments.
Number of references: 10
Main heading: Web services
Controlled terms: Electronic commerce - Electronics industry - Sales - Supply chains
Uncontrolled terms: Assessment - Conceptual model - Customer services - Internet environment - Three phasis - Value
Classification code: 723.5 Computer Applications

Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

149. Managing coordination costs of interorganizational relationships: An analysis of determinants

Accession number: 20130716021952
Authors: Zhang, Geng (1); Liu, Zhenyu (1)
Author affiliation: (1) Department of Management Science, Xiamen University, Xiamen, 361005, China
Corresponding author: Zhang, G.(zhanggeng001@126.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 54-58
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper presents a framework of the determinants analysis of the control of interorganizational relationships (IOR). While drawing on transaction cost analysis and resource-dependency theory, the authors analyze the effects of asset specificity, environmental uncertainty, level of dependence and trust on coordination costs of IOR. The explanatory power of the framework is assessed by a case study of buyer-supplier relationships from manufacturing industry in China. The findings from the case study suggest asset specificity, environmental uncertainty, and trust are the main determinants influencing coordination costs of buyer in IOR.
Number of references: 15
Main heading: Costs
Controlled terms: Cost benefit analysis - Electronic commerce - Electronics industry - Supply chains - Uncertainty analysis
Uncontrolled terms: Buyer supplier relationship - Collaborative commerce - Coordination costs - Environmental uncertainty - Inter-organizational relationships - Manufacturing industries - Resource dependency theories - Transaction cost analysis
Classification code: 723.5 Computer Applications
Computer Applications
- 911 Cost and Value Engineering; Industrial Economics
Cost and Value Engineering; Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 922.1 Probability Theory
Probability Theory
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

150. Discussions on the environmental strategies of SMEs

Accession number: 20130716022054
Authors: Li, Sheng (1); Zhao, Li (1); Zhang, Haiying (1)
Author affiliation: (1) School of Business Administration, Southwestern University of Finance and Economics, Chengdu, 610074, China
Corresponding author: Li, S.
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 697-701
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Environmental issues have become the focal point of society. However, China enterprises have not paid enough attention to environmental issues, especially those of SMEs. In this paper, it points out that environmental issues of SMEs are imperative. By analyzing the restrictive factors, we puts forward four environment strategies based on internal capability and the pollution degree of the enterprises and analyze each strategy in details.
Number of references: 13
Main heading: Electronics industry
Controlled terms: Electronic commerce - Environmental management - Supply chains
Uncontrolled terms: Environmental issues - Environmental strategy - Focal points - Pollution degree - SMEs
Classification code: 454.1 Environmental Engineering, General
Environmental Engineering, General
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

151. Introduction of 3rd generation wireless services in a multi-enterprise vpn environment: Case of the Port of Rotterdam

Accession number: 20130716021973
Authors: Pau, L.F.J.M. (1); Chen, H. (1); Van De Coterlet, P. (1); Zuidwijk, R.A. (1)
Author affiliation: (1) Rotterdam School of Management, P.O. Box 1738, 3000 DR Rotterdam, Netherlands
Corresponding author: Pau, L.F.J.M.(lpau@rsm.nl)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 200-206
Language: English
ISSN: 16830040

Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The needs as well as the bottlenecks are analyzed in the deployment and use of wireless services in a networked environment of companies sharing some common supply chain processes. The specific case is the multi-enterprise networks around the Port of Rotterdam, researched as part a large project on value-added wireless services in this environment, sponsored by KPN Mobile. New services, operational requirements, decision processes as well as tariff and organizational problems are reported.
Number of references: 5
Main heading: Electronics industry
Controlled terms: Electronic commerce - Supply chains
Uncontrolled terms: Decision process - Enterprise networks - Networked environments - Operational requirements - Organizational problems - Port of Rotterdam - Supply chain process - Wireless services
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

152. The protection of privacy in Internet banking

Accession number: 20130716022022
Authors: Liao, Ziqi (1)
Author affiliation: (1) Department of Finance and Decision Sciences, Hong Kong Baptist University, Renfrew Road, Kowloon, Hong Kong
Corresponding author: Liao, Z.(victor@hkbu.edu.hk)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 515-517
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper explores the consumer concerns about privacy in Internet e-banking and examines the impacts of several variables in relation to perceived privacy protection. The findings suggest that commercial banks must effectively minimize transaction errors, eliminate unauthorized use of personal data, control offensive access and maintain transactions records. Preventive management is vital to the enhancement of privacy of Internet banking and the consumer acceptance of Internet banking services.
Number of references: 18
Main heading: Consumer protection
Controlled terms: Access control - Banking - Data privacy - Electronic commerce - Electronics industry - Supply chains

Uncontrolled terms: Commercial bank - Consumer acceptance - Consumers - E finances - Internet banking - Privacy protection - Protection of privacy - Several variables
Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications
- 723.5 Computer Applications
Computer Applications
- 902.3 Legal Aspects
Legal Aspects
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

153. An empirical assessment of the performance impacts of is support for knowledge management

Accession number: 20130716022028
Authors: Zhang, Michael J. (1)
Author affiliation: (1) Sacred Heart University, Fairfield, CT 06825, United States
Corresponding author: Zhang, M.J.(zhangm@sacredheart.edu)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 546-549
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: In this study, the performance impacts of information systems (IS) support for two key knowledge management activities (knowledge creation and knowledge sharing) were assessed with both survey and archival data. The results showed that IS support for knowledge creation and IS support for knowledge sharing had direct positive effects on labor productivity. Coupled with unique, complementary organizational resources, both types of IS support exerted positive effects on profitability.
Number of references: 24
Main heading: Knowledge management
Controlled terms: Competition - Electronic commerce - Electronics industry - Information systems - Information use - Magnetic disk storage - Productivity - Supply chains
Uncontrolled terms: Competitive advantage - Empirical assessment - Firm Performance - Knowledge creations - Knowledge management activities - Knowledge-sharing - Labor productivity - Performance impact
Classification code: 722.1 Data Storage, Equipment and Techniques
Data Storage, Equipment and Techniques
- 723.5 Computer Applications
Computer Applications
- 903.3 Information Retrieval and Use
Information Retrieval and Use
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management

Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

154. The segmentation talisman - 'Consumption pattern strata'

Accession number: 20130716022059
Authors: Mathur, Dhrupad (1)
Author affiliation: (1) Center for Information Technology, S P Jain Institute of Management and Research, Mumbai, India
Corresponding author: Mathur, D.(dhrupad@spjimr.ernet.in)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 729-730
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Since the very inception of marketing discipline, there has been a quest to address the customer meaningfully. From the seller's market conditions to the buyer's market condition, this quest has become all the more prominent now, to the extent that the products and services are supposed to be intrinsically customer focused. Companies are fighting over the tough-to-get market shares. All this has translated into another endeavor of catching the customers through different dimensions of the possible market implements. Information and Communication Technology has been very radical in transforming the traditional functional processes. Same applies here as well. This paper elaborates, how to develop customer segmentations with the help of IT tools. Therefore, shunning the traditional symptomatic attributes.
Number of references: 7
Main heading: Sales
Controlled terms: Competition - Electronic commerce - Electronics industry - Supply chains
Uncontrolled terms: Consumption patterns - Customer segmentation - Information and Communication Technologies - Market condition - Market share - Products and services
Classification code: 723.5 Computer Applications
Computer Applications
- 911.2 Industrial Economics
Industrial Economics
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

155. An evaluation of the fashion web sites in New Zealand

Accession number: 20130716022007
Authors: Hui, Winnie Wing Man (1); Paynter, John (1)

Author affiliation: (1) Department of Information Systems and Operations Management, University of Auckland, Private Bag 92019, Auckland, New Zealand
Corresponding author: Hui, W.W.M.(winniewingman@gmail.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 425-427
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: A fashion web site provides consumers with the opportunity to search for information. It also enables them to shop unconstrained by time or location. This research evaluates the performance of the fashion web sites in New Zealand and examines how the web sites can improve. Forty New Zealand fashion web sites were examined using the web site evaluation model tailored for fashion sites. The results show that the majority of New Zealand fashion web sites are informational rather than transactional. Fashion web sites should focus on how to improve their web site quality and web site content in order to attract more potential consumers.
Number of references: 18
Main heading: Websites
Controlled terms: Electronic commerce - Electronics industry - Marketing - Supply chains
Uncontrolled terms: Internet marketing - New zealand - Web site contents - Website evaluation - Website quality
Classification code: 723.5 Computer Applications
Computer Applications
- 911.4 Marketing
Marketing
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

156. Application of business intelligence techniques in China telecom

Accession number: 20130716021958
Authors: Li, Haigang (1)
Author affiliation: (1) School of Management, Shanghai Jiao Tong University, 200052, China
Corresponding author: Li, H.(hglihg@yahoo.com.cn)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 101-104
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong

Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: In this paper, we have developed a data warehouse and an OLAP(on-line analytical processing) based framework that has been used for customer profiling and comparison. The system architecture for OLAP and data warehouse based calling behavior profiling and multilevel multidimensional pattern analysis is introduced. First, the method how customer profiles can be represented as data cubes is described, then, the architecture of a profiling engine is presented, finally, the process of using the engine to compute profiles and calling patterns is discussed and an application case of China telecom is studied.
Number of references: 4
Main heading: Electronics industry
Controlled terms: Data warehouses - Electronic commerce - Engines - Supply chains
Uncontrolled terms: China Telecom - Customer profiles - Customer profiling - Data cube - On-line analytical processing - Pattern analysis - System architectures
Classification code: 723.3 Database Systems
Database Systems
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

157. Knowledge modeling for developing program planning agents

Accession number: 20130716021998
Authors: Lin, Fuhua (1); Li, Qin (1); Wen, Dunwei (1)
Author affiliation: (1) School of Computing and Information Systems, Athabasca University, Athabasca, AB, T9S 3A3, Canada
Corresponding author: Lin, F.(oscarl@athabascau.ca)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 366-371
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: This paper describes a method of domain knowledge modeling for program planning and scheduling in intelligent e-Learning advising systems, focusing on the modeling and representation of precedence relations among course learning objects encoded in model curricular and the representation of domain experts' knowledge using Petri nets formalism and a XML-based markup language. We developed a Web-based program model editor.
Number of references: 18
Main heading: Learning systems
Controlled terms: E-learning - Electronic commerce - Electronics industry - Hypertext systems - Knowledge acquisition - Knowledge representation - Modeling languages - Petri nets - Supply chains
Uncontrolled terms: Domain experts - Domain knowledge models - Intelligent e-learning - Knowledge model - Learning objects - Precedence relations - Program planning - Web-based programs
Classification code: 723.4 Artificial Intelligence

Artificial Intelligence
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.4 Combinatorial Mathematics, Includes Graph Theory, Set Theory
Combinatorial Mathematics, Includes Graph Theory, Set Theory
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

158. Total quality management (TQM) model for knowledge management systems (KMS) in Thai communities

Accession number: 20130716022035
Authors: Janpen, Poonsook (1); Praneetpolgrang, Prasong (2); Horadal, Pong (1)
Author affiliation: (1) Project Office for Consortrium on Doctor of Philosophy Programs, Pranakhon Rajabhat University, 3 Moo 6 Jangwattta Rd., Bangkhen, Bangkok, 10220, Thailand; (2) Master of Science (Information Technology) Graduate School, Sripatum University, 61 Phaholyothin Rd., Jatujak Bangkok, 10900, Thailand
Corresponding author: Janpen, P.(poonjan79@hotmail.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 593-595
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Knowledge management systems (KMS) are commonly tacit patterns practiced in Thai communities. Effective KMS is essential to successfully implement knowledge management (KM) and sustainable development organization. Appropriate model of total quality management (TQM) for Thai community's knowledge management systems will be designed. This study incorporated the concepts and theories of TQM models, KM and KMS in Thai communities. Index and standard of knowledge quality are analyzed and integrated concept of analytical TQM and Delphi technique are applied.
Number of references: 13
Main heading: Total quality management
Controlled terms: Electronic commerce - Electronics industry - Knowledge based systems - Knowledge management - Supply chains
Uncontrolled terms: Appropriate models - Community development - Delphi technique - Knowledge management system - Total quality managements (TQM)
Classification code: 723.4.1 Expert Systems
Expert Systems
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 913.3 Quality Assurance and Control

Quality Assurance and Control
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

159. E-literacy in Pacific Asia

Accession number: 20130716022012
Authors: Lim, Nena (1); Ferguson, Colin (1)
Author affiliation: (1) Department of Accounting and Business Information Systems, University of Melbourne, Melbourne, VIC 3010, Australia
Corresponding author: Lim, N.(limn@unimelb.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 452-456
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Hesitant about Internet security has been a major obstacle to consumers' acceptance of electronic commerce. The objective of this paper is to assess how consumers in Pacific Asia perceive Internet security and how much they know about the topic. A total of 182 university students from Australia and Hong Kong SAR participated in this study. The results show that respondents in these two Pacific Asia regions had similar level of e-literacy. Both groups were unsure about Internet security and their self-assessed knowledge of Internet security was relatively low. A closer analysis of the data suggests that respondents have a tendency to over-estimate their understanding of the Internet security.
Number of references: 40
Main heading: Electronics industry
Controlled terms: Electronic commerce - Supply chains
Uncontrolled terms: Australia - E-literacy - Hong-kong - Internet security - University students
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

160. Considering the cultural issues of web design in implementing web-based e-commerce for international customers

Accession number: 20130716021991
Authors: Kang, Kyeong S. (1)
Author affiliation: (1) Faculty of Information Technology, University of Technology Sydney, Broadway, NSW 2007, Australia
Corresponding author: Kang, K.S.(kyeong@it.uts.edu.au)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 323-327
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The web design for international e-commerce sites is becoming an increasingly important issue. This paper addresses issues about cultural differences in web design and designers' views. The summary of research work includes understanding of designers' attitudes and approaches in designing web sites for different countries. Some suggestions about important aspect of localized design are made from case studies conducted during this research.
Number of references: 10
Main heading: Websites
Controlled terms: Electronic commerce - Electronics industry - International trade - Supply chains - Web Design
Uncontrolled terms: Case-studies - Cultural difference - Cultural issue - E-commerce sites - International customers - Web based
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

161. RFID technology enhancing supply chain competence and e-business: An opportunity or a threat?

Accession number: 20130716021947
Authors: Wang, Guilin (1); Chan, Elsie S.K. (2)
Author affiliation: (1) Newcastle Business School, Northumbria University, United Kingdom; (2) School of Business and Informatics, Australian Catholic University, Melbourne, Australia
Corresponding author: Wang, G.(gui.wang@unn.ac.uk)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 17-27
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Radio Frequency Identification (RFID), which uses radio waves to identify objects, was discovered in 1930s for military purposes and it transformed into commercial uses in 1980s in the United States. In this paper, we explore

the research domains in RFID technology, innovation and diffusion theory, and supply chain management within the existing literature for exploring whether RFID enhances supply chain competence and e-business. This paper also forms a preliminary study base for researchers who may wish to carry on future research in this area.
Number of references: 49
Main heading: Radio frequency identification (RFID)
Controlled terms: Electronic commerce - Electronics industry - Radio waves - Supply chain management - Supply chains
Uncontrolled terms: Commercial use - Diffusion theory - eBusiness - Emerging technologies - Research domains - RFID Technology
Classification code: 711 Electromagnetic Waves
Electromagnetic Waves
- 716.3 Radio Systems and Equipment
Radio Systems and Equipment
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

162. The quadratic shortest path problem and its genetic algorithm

Accession number: 20130716022088
Authors: Liu, Linzhong (1, 2); Wu, Bing (3); Li, Yinzhen (1); Yu, Jianning (1)
Author affiliation: (1) Institute of System Engineering, Lanzhou Jiaotong University, Lanzhou 730070, China; (2) Department of Mathematical Sciences, Tsinghua University, Beijing 100084, China; (3) West Logistic Corporation Limited of Gansu, Lanzhou 730000, China
Corresponding author: Liu, L.(lzliu@orsc.edu.cn)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 908-913
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: The quadratic shortest path (QSP) problem is to find a path from a node to another node in a given network such that the total cost includes two kinds of costs, say direct cost and interactive cost, is minimum. The direct cost is the cost associated with each arc and the interactive cost occurs when two arcs appear simultaneously in the shortest path. In this paper, the concept of the quadratic shortest path is initialized firstly. Then a spanning tree-based genetic algorithm is designed for solving the quadratic shortest path problem. Finally, a numerical example is given.
Number of references: 27
Main heading: Graph algorithms
Controlled terms: Cost accounting - Electronic commerce - Electronics industry - Genetic algorithms - Networks (circuits) - Supply chains - Trees (mathematics)
Uncontrolled terms: Direct costs - Graph - Shortest path - Shortest path problem - Spanning tree
Classification code: 703.1 Electric Networks
Electric Networks
- 723.5 Computer Applications

Computer Applications
- 911.1 Cost Accounting
Cost Accounting
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
- 921.4 Combinatorial Mathematics, Includes Graph Theory, Set Theory
Combinatorial Mathematics, Includes Graph Theory, Set Theory
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village

163. The relationships among trust, e-satisfaction, e-loyalty, and customer online behaviors

Accession number: 20130716022072
Authors: Tang, Tzy-Wen (1); Tsai, Chung-Hung (2); Wu, Wen-Ping (3)
Author affiliation: (1) Department of Management, School and Economic, University of Edinburgh, United Kingdom; (2) Department of Health Administration, Tzu Chi College of Technology, Taiwan; (3) Department of Business Administration, Takming College, Taiwan
Corresponding author: Tang, T.-W.(tangtzywen@yahoo.com.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Issue title: 5th International Conference on Electronic Business: Enhancing Logistics and Supply Chain Competence Through e-Business, ICEB 2005
Issue date: 2005
Publication year: 2005
Pages: 788-794
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 5th International Conference on Electronic Business, ICEB 2005
Conference date: December 5, 2005 - December 9, 2005
Conference location: Hong Kong, Hong kong
Conference code: 95358
Sponsor: Chin. Univ. Hong Kong, Li Fung Inst. Supply Chain Manage./Logist.
Publisher: CEUR-WS
Abstract: Online shopping behaviors, different from traditional shopping behaviors, are related to information system and characterized with uncertainty, anonymity and potential opportunism. This paper is to conceptualize and analyze customer online behaviors, trust, customer satisfaction and customer loyalty based on Technology Acceptance Model (TAM). 1258 valid questionnaires are gathered from online customers having e-shopping experiences in Taiwan. Using structural equation modeling, the empirical results indicated that perceived use of use, perceived usefulness, and trust has the significant effects to facilitate customer satisfaction and customer loyalty, and further, effects customer's intentions and behaviors toward online purchasing.
Number of references: 44
Main heading: Sales
Controlled terms: Customer satisfaction - Electronic commerce - Electronics industry - Supply chains - Surveys - User experience
Uncontrolled terms: Customer behavior - Customer loyalty - Online purchasing - Perceived usefulness - Shopping behavior - Structural equation modeling - Technology acceptance model - Trust
Classification code: 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
Compendex references: YES
Database: Compendex

Data Provider: Engineering Village