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Query : (((((International Conference on Electronic Business 2017) WN ALL)) AND
({international consortium for electronic business} WN PN))

Type : Expert

Results : 50

Database(s) : Compendex & Inspec

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1. Progress of Fintech industry from venture capital point of view

Accession number: 20185006220138

Authors: Hsieh, Ku-Hsien (1); Li, Eldon Y. (1)

Author affiliation: (1) National Chengchi University, Taiwan

Corresponding author: Hsieh, Ku-Hsien(103356506@nccu.edu.tw)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Volume: 2017-December

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

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Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Fintech (financial technology) is a term that broadly described the innovation of financial product and service using IT technology. Fintech uses a lot of new business model such as FXP2P and supply chain finance, and new technology such as blockchain and cryptocurrency. According to World Economic Forum report, fintech bring disruptive innovations that are reshaping the way financial services. Also, in World Economic Forum report have structured research framework against six (6) function of financial services and eleven (11) clusters of innovation. CrunchBase is a web 2.0 wiki-liked database for startup company that includes the information for founders, key team members, basic financial information, and venture capital funding and important events. This paper uses Python to web scrape CrunchBase website for studying the progress of Fintech industry and find out the development of IT technology and innovation. The objectives of this paper are to study the CrunchBase database to compare with World Economic Forum report research framework and find out the actual progress of Fintech industry. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 13

Main heading: Fintech

Controlled terms: Electronic commerce - Electronics industry - Information retrieval - Investments - Plant startup - Smart city - Supply chains

Uncontrolled terms: Disruptive innovations - Financial information - Informetrics - New business models - Research frameworks - Supply chain finances - Venture Capital - Venture capital funding

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

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

2. Modelling and analysis of E-health ecosystems: A case study of the United States

Accession number: 20185006220119

Authors: Stephanie, Lena (1)

Author affiliation: (1) Nanyang Technological University, Singapore, Singapore

Corresponding author: Stephanie, Lena(feli0015@e.ntu.edu.sg)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Issue date: 2017

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Pages: 161-172

Language: English

ISSN: 16830040

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Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: The United States (US), a world leader in medical technology, ironically also happens to be home to one of the least efficient healthcare systems in the world. The country's mammoth, unsustainable spending on healthcare has triggered several key healthcare reforms to put the country's healthcare system on the path for a major overhaul. One such reform was the HITECH Act of 2009 which made provision for incentives for adoption of Electronic Health Records by physicians and hospitals. The ultimate goal of this reform was to forge connectivity across the country's fragmented healthcare system in the hope that it would lead to efficiency and consequently, a drop in the country's healthcare expenditure. Although the reform no doubt spurred EHR adoption, its intended goal of connectivity has not been fully realized. A set of critical success factors has been proposed to overcome these issues and make the ecosystem both patient-centric and sustainable. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 66

Main heading: eHealth

Controlled terms: Biomedical engineering - Ecosystems - Electronic commerce - Electronic document exchange - Electronics industry - Records management - Smart city

Uncontrolled terms: Critical success factor - Electronic health record - Health information exchanges - Healthcare system - Healthcare reforms - Hi-tech - Medical technologies - Modelling and analysis

Classification code: 454.3 Ecology and Ecosystems

Ecology and Ecosystems

- 461.1 Biomedical Engineering

Biomedical Engineering

- 723.5 Computer Applications

Computer Applications

Funding Details:

Funding text: The research reported in this paper is part of the author's doctoral dissertation supervised by Dr. Ravi Sharma at Nanyang Technological University (NTU). Many thanks are due to Singapore's NRF IDM grant which funded the activities of the SIGIDE research group at NTU from 2008 to 2012.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

3. Industrie 4.0 and leadership

Accession number: 20185006220116

Authors: Prince, Kylie A. (1)

Author affiliation: (1) James Cook University, Cairns, Australia

Corresponding author: Prince, Kylie A. (kylie.prince@my.jcu.edu.au)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Language: English

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Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Industrie 4.0 focuses on end-to-end digital transformation with digital ecosystems. Digital transformation and industrie 4.0 are more efficient and effective with particular skills, knowledge and attitude. Leaders who practice leadership 4.0 are digital leaders and digital transformers. This digital leadership framework is based on a transformational, transactional, and authentic leadership matrix. This trichotomous leadership model is based on Adaptive Structuration Theory (AST) which applies the impact of Advanced Information Technology with leadership in a recursive relationship with each affecting and transforming the other. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 33

Main heading: Electronics industry

Controlled terms: Electronic commerce - Smart city

Uncontrolled terms: Authentic - Digital age - Digital leadership - Transactional - Transformational

Classification code: 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

4. RegTech evolution: The TrustChain

Accession number: 20185006220139

Authors: Huang, Grant K.J. (1); Chiang, Kuo-Huie (1)

Author affiliation: (1) National Chengchi University, Taiwan

Corresponding author: Huang, Grant K.J.(guanruey@icloud.com)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Volume: 2017-December

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Issue date: 2017

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Language: English

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Document type: Conference article (CA)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Integrity is a lifelong duty. Credit is not only given to natural persons but also to corporate citizens.

In this work, we propose a blockchain-based RegTech system which helps to track the credit of organizations.

The creditability of tender entity, participants and subcontractors altogether comprise the long-lasting undeniable

TrustChain. The framework is scalable to all elements deemed necessary to corporate score card and referral to

the developing RegTech. We expect the consistency and honesty of corporate citizens lay the foundation of a Trust

society. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 7

Main heading: Electronics industry

Controlled terms: Blockchain - Electronic commerce - Smart city

Uncontrolled terms: Corporate social responsibilities (CSR) - Credit - Long lasting - RegTech - Score cards

Classification code: 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

5. The antecedents and outcomes of identifiability in online brand communities

Accession number: 20185006220131

Authors: Meek, Stephanie (1); Shen, Kathy (2)

Author affiliation: (1) Edith Cowan University, Australia; (2) University of Wollongong, Dubai, United Arab Emirates

Corresponding author: Meek, Stephanie(s.meek@ecu.edu.au)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Volume: 2017-December

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Issue date: 2017

Publication year: 2017

Pages: 258-263

Language: English

ISSN: 16830040

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Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: User generated content is a fundamental aspect of an online brand community (OBC), therefore facilitating the continuance of knowledge sharing and social interaction is imperative to the success of the community. The purpose of this study is to investigate the influence of perceived identifiability on the factors that encourage ongoing participation in OBCs. Results indicate that perceived identifiability has a significant positive influence on an OBC members' participative behaviour and sense of belonging. Whilst network ties have a significant positive influence on perceived identifiability and a sense of belonging all of which are factors shown to be critical to the ongoing success and sustainability of OBCs. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 34

Main heading: Electronics industry

Controlled terms: Electronic commerce - Smart city

Uncontrolled terms: Identifiability - Network tie - Online brand community - Participative behaviour - Sense of belonging

Classification code: 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

6. Improving the performance of inventory control - Taking W Company as an example

Accession number: 20185006220136

Authors: Chuang, Howard Hao-Chun (1); Chang, Hsin-Lu (1); Hsu, Po-Chun (1)

Author affiliation: (1) National Chengchi University, Taiwan

Corresponding author: Hsu, Po-Chun(105356009@nccu.edu.tw)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: The W company is facing a problem that their demand is intermittent. Because intermittent demand is difficult to predict, there are some models being created to deal with it. Using these models, such as Bootstrapping, Croston's method, and Discrete-auto-regressive-moving-average model, to predict and compare with the current one if any of them outperforms. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 3

Main heading: Autoregressive moving average model

Controlled terms: Electronic commerce - Electronics industry - Inventory control - Smart city

Uncontrolled terms: Auto regressive moving average modeling - Bootstrapping - Croston's method - Intermittent demand

Classification code: 723.5 Computer Applications

Computer Applications

- 911.3 Inventory Control

Inventory Control

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

7. A co-citation bibliometric analysis of crowdsourcing research

Accession number: 20185006220099

Authors: Liang, Xiaobei (1); He, Minghua (1, 2)

Author affiliation: (1) Tongji University, Shanghai, China; (2) Jingtangshan University, China

Corresponding author: He, Minghua(hmhminy@163.com)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Volume: 2017-December

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Issue date: 2017

Publication year: 2017

Pages: 1-12

Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Crowdsourcing has gained increasing attention from scholars in a broad range of fields such as computer science, engineering, information system, business, and economics. However, few crowdsourcing studies are conducted from the bibliometric perspective. This paper conducts document co-citation, author co-citation, journal co-citation, and keyword co-word analysis in the crowdsourcing research field by using CiteSpace and Web of Science™ Core Collection database, aiming to identify highly cited articles and journals and influential authors in the crowdsourcing research field during the time span from 2008 to 2016 and to find out current hot research topics and future directions in the crowdsourcing research field. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 43

Main heading: Crowdsourcing

Controlled terms: Electronic commerce - Electronics industry - Smart city

Uncontrolled terms: Bibliometric - Bibliometric analysis - Co-word analysis - Cocitation - Hot research topics - Research fields - Time span - Web of Science

Classification code: 723.5 Computer Applications

Computer Applications

Funding Details: Number: -, Acronym: MOE, Sponsor: Ministry of Education of the People's Republic of China;

Funding text: This work is supported by grant 17YJA630050 of the Humanities and Social Science Fund of the Ministry of Education, China.

Compendex references: YES

Database: Compendex
Compilation and indexing terms, Copyright 2021 Elsevier Inc.
Data Provider: Engineering Village

8. Drivers of eHealth adoption: Linking eHealth adoption to service concept

Accession number: 20185006220110

Authors: Chang, Hsin-Lu (1); Szu, Wei-Wen (1); Tu, Yu-Ju (1)

Author affiliation: (1) National Chengchi University, Taipei City, Taiwan

Corresponding author: Szu, Wei-Wen(wei-wen_szu@fenghui.com.tw)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Issue date: 2017

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Pages: 85-92

Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Researchers and practitioners are keenly interested in understanding what drives eHealth adoption in recent years. This is largely because, while eHealth can lead to cost-effective and quality health care, the actual adoption rate of eHealth remains low across countries. In prior literature, it was clearly indicated that well-designed eHealth services are critical to eHealth adoption. In this study, our findings further show that, what may motivate patients' adoption is more strongly associated with the design of eHealth caring service, and the design of eHealth IT service is more likely to be associated with patients' continual use. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 18

Main heading: eHealth

Controlled terms: Cost effectiveness - Electronic commerce - Electronics industry - Smart city

Uncontrolled terms: Continual use - Initial adoption - IT services - Service concept - Service portfolio

Classification code: 723.5 Computer Applications

Computer Applications

- 911.2 Industrial Economics

Industrial Economics

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

9. Real money trading in virtual worlds

Accession number: 20185006220123

Authors: Nazir, Mohamed (1); Hamilton, John R. (1); Tee, SingWhat (1)

Author affiliation: (1) James Cook University, Australia

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Volume: 2017-December

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Issue date: 2017

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Pages: 202-207

Language: English

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Document type: Conference article (CA)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Significant real money is traded into and out of virtual world currencies. Virtual world participating users buy and sell virtual products, virtual goods, virtual properties, virtual services, and other virtual items of interest. As gamers, some trade real money to: buy assets including characters, currencies and other auctioned items. Others buy at virtual auctions, purchase virtual currencies, purchase virtual land, build virtual properties and use virtual facilities. The Theory of Planned Behavior maps a structural equation modelling approach for real money trading (RMT) - suggesting RMT can be behaviorally promoted to participant users in virtual worlds. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 25

Main heading: Virtual reality

Controlled terms: Electronic commerce - Electronics industry - Sales - Smart city

Uncontrolled terms: Attitude - Intention - Perceived behavioral control - Planned behavior - Second Life - Structural modeling - Virtual worlds

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

10. Deciding fast and slow in risk decision making: An experimental study

Accession number: 20185006220108

Authors: Wang, Xiaorui (1); Zhou, Ronggang (1); Zhang, Renqian (1)

Author affiliation: (1) Beihang University, China

Corresponding author: Zhou, Ronggang(zhrg@buaa.edu.cn)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Volume: 2017-December

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Issue date: 2017

Publication year: 2017

Pages: 72-78

Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: The current study presents findings of an experiment. Response time was used to investigate fast deciders' (FD) and slow deciders' (SD) behavioral differences. SDs were found to be more cognitive than FDs and this could induce an increase in average response time. Both FDs and SDs showed aversion to extreme options, but they behaved differently with option 'S' being "safer" among groups. Moreover, FDs responded more instinctively to negative feedbacks. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 11

Main heading: Decision making

Controlled terms: Electronic commerce - Electronics industry - Response time (computer systems) - Risks - Smart city

Uncontrolled terms: Decision time - Risk decision - Risk decision making

Classification code: 723.5 Computer Applications

Computer Applications

- 912.2 Management

Management

- 914.1 Accidents and Accident Prevention

Accidents and Accident Prevention

Funding Details: Number: 71640034, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;

Funding text: This work was supported by the National Natural Science Foundation of China [grant numbers 71640034].

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

11. Graph transformation based guidance for web navigation

Accession number: 20185006220115

Authors: Yen, Benjamin P.-C. (1); Ni, Kevin (2); Chu, L.K. (1)

Author affiliation: (1) University of Hong Kong, Hong Kong, Hong Kong; (2) Southwestern University of Finance and Economics, China

Corresponding author: Yen, Benjamin P.-C.(benyen@business.hku.hk)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: With growing information volume and diverse user preferences on the web, the performance of web information retrieval has become a critical issue. Web navigation is dramatically influenced by the organizations of web contents. Hence, useful navigation guidance can considerably accelerate the information retrieval process. In this paper, web navigation is formulated as a Directed Group Steiner Forest (DGSF) problem in line graph representation of the website. A heuristic algorithm is proposed to tackle the DGSF problem and attain the suboptimal solution in polynomial time. Simulations are conducted to compare the mean searching time for the proposed DGSF-based navigation guidance and other approaches. The results suggest that the DGSF-based navigation guidance can significantly reduce the mean searching time, especially when the number of web pages is large while the number of destination pages is moderate. The discussion is also made for extending the model to take into account the websites owner's interests and other concerns as well. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 35

Main heading: Information retrieval

Controlled terms: Electronic commerce - Electronic guidance systems - Electronics industry - Graph theory - Heuristic algorithms - Polynomial approximation - Smart city - Websites

Uncontrolled terms: Graph Transformation - Line graph - Navigation guidance - Polynomial-time - Steiner forests - Suboptimal solution - Web information retrieval - Web navigation

Classification code: 723.1 Computer Programming

Computer Programming

- 723.5 Computer Applications

Computer Applications

- 903.3 Information Retrieval and Use

Information Retrieval and Use

- 921.4 Combinatorial Mathematics, Includes Graph Theory, Set Theory

Combinatorial Mathematics, Includes Graph Theory, Set Theory

- 921.6 Numerical Methods

Numerical Methods

Funding Details: Number: GRF 719409E, Acronym: -, Sponsor: -;

Funding text: This work was supported in part by Hong Kong RGC under grant GRF 719409E and Joint Research Fund (JRF) 15-18. We would like to thank Mr. Chris Cheung and Mr. Culture Wang for their help with the case study of real world website.

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

12. The acceptance of the application of blockchain technology in the supply chain process of the Thai automotive industry

Accession number: 20185006220130

Authors: Supranee, Sowichaya (1); Rotchanakitumnuai, Siriluck (1)

Author affiliation: (1) Thammasat University, Thailand

Corresponding author: Supranee, Sowichaya(s.sowichaya@yahoo.com)

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Pages: 252-257

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Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Blockchain technology is an optional new technologies to manage the supply chain process. This technology helps to improve and solve the issue of transparency as well as monitor operations in the supply chain. The study found that the perceived benefits of Blockchain technology in the automotive industry, inter-organizational trust are the important factors that affect the acceptance of Blockchain in the supply chain process. Inter-organizational relationship has negative impact on Blockchain technology acceptance. The non-mediated power is a key factor that builds inter-organizational trust and leads to success in the technology application in this industry. The results can be used as a guideline for the automotive industry to apply Blockchain technologies to the operations. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 44

Main heading: Automotive industry

Controlled terms: Blockchain - Electronic commerce - Electronics industry - Smart city - Supply chains

Uncontrolled terms: Inter-organizational relationships - Inter-organizational trust - Key factors - Perceived benefits - Supply chain process - Technology acceptance - Technology application

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

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13. Wearable medical devices acceptance and expectance of senior population in China

Accession number: 20185006220129

Authors: Zhang, Bo (1); Li, Yan (1)

Author affiliation: (1) ESSEC Business School, Singapore, Singapore
Corresponding author: Zhang, Bo(b00689865@essec.edu)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
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Part number: 1 of 1
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Issue date: 2017
Publication year: 2017
Pages: 241-251
Language: English
ISSN: 16830040
Document type: Conference article (CA)
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Conference location: Al Barsha, Dubai, United arab emirates
Conference code: 142153
Publisher: International Consortium for Electronic Business
Abstract: The purpose of this paper is to investigate: 1. How well the senior population in China accept the wearable medical devices; 2. What kind of products the senior population in China would like to choose; 3. At what price the senior population are willing to pay. Collected information from secondary data resources to understand the wearable medical devices market in China and conducted online survey through professional survey software WenJuanXing to collect primary data from 217 elderlies (above 50 years old) in China. Based on the data collected by the online survey, half of the respondents are interested in using wearing medical devices. Top three concerns about the wearable medical devices are safety, veracity and reliability. About 56% of respondents are willing to pay no more than 600 RMB (about 90 USD) for the device itself. About 54% of respondents are willing to pay no more than 60 RMB / Month for the service (about 110 USD per year). © 2017 International Consortium for Electronic Business. All right reserved.
Number of references: 12
Main heading: Wearable technology
Controlled terms: Electronic commerce - Electronics industry - Smart city - Surveys
Uncontrolled terms: Medical Devices - Online surveys - Primary data - Secondary datum - Senior population - Technology acceptance - Wearable medical devices
Classification code: 723.5 Computer Applications
Computer Applications
Numerical data indexing: Age 5.00e+01yr, Percentage 5.40e+01%, Percentage 5.60e+01%
Compendex references: YES
Database: Compendex
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Data Provider: Engineering Village

14. GitHub: Factors influencing project activity levels

Accession number: 20185006220114
Authors: Alshomali, Mohammad Azeez (1); Hamilton, John R. (1); Holdsworth, Jason (1); Tee, SingWhat (1)
Author affiliation: (1) James Cook University, Australia
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
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Conference code: 142153
Publisher: International Consortium for Electronic Business

Abstract: Open source software projects typically extend the capabilities of their software by incorporating code contributions from a diverse cross-section of developers. This GitHub structural path modelling study captures the current top 100 JavaScript projects in operation for at least one year or more. It draws on three theories (information integration, planned behavior, and social translucence) to help frame its comparative path approach, and to show ways to speed the collaborative development of GitHub OSS projects. It shows a project's activity level increases with: (1) greater responder-group collaborative efforts, (2) increased numbers of major critical project version releases, and (3) the generation of further commits. However, the generation of additional forks negatively impacts overall project activity levels. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 41

Main heading: Open source software

Controlled terms: Electronic commerce - Electronics industry - High level languages - Open systems - Smart city

Uncontrolled terms: GitHub - Javascript - Open sources - Popularity - Social media - Software repositories

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

15. Emergency management system design for accurate data: A case study

Accession number: 20185006220111

Authors: Tarhini, Abbas (1); Srour, F. Jordan (1); Badr, Nabil Georges (2)

Author affiliation: (1) Department of Information Technology and Operations Management, Adnan Kassar School of Business, Lebanese American University, Beirut, Lebanon; (2) Grenoble Graduate School of Business, Grenoble, France

Corresponding author: Tarhini, Abbas(abbas.tarhini@lau.edu.lb)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

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Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: In any city - smart or not - emergency response is a critical service. In smart cities, the use of technology to manage access to and dispatching of emergency vehicles is particularly important. However, when a system must manage processes spanning multiple computers, clock drift becomes a prominent issue. We show the impact that clock drift can have in a prototype emergency management dispatch system along with a case-study illustrating design techniques that can remedy this issue. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 16

Main heading: Emergency services

Controlled terms: Civil defense - Clocks - Design - Electronic commerce - Electronics industry - Emergency vehicles - Information management - Risk management - Smart city

Uncontrolled terms: Clock drift - Design technique - Dispatch systems - Emergency management - Emergency management systems - Emergency response - Multiple computers - Time synchronization

Classification code: 404.2 Civil Defense

Civil Defense

- 723.5 Computer Applications

Computer Applications

- 914.1 Accidents and Accident Prevention

Accidents and Accident Prevention

- 943.3 Special Purpose Instruments

Special Purpose Instruments

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

16. Constructing the smart hotel architecture - A case study in Taiwan

Accession number: 20185006220107

Authors: Lai, Wen-Chi (1); Hung, Wei-Hsi (1)

Author affiliation: (1) National Chengchi University, Taiwan

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Issue date: 2017

Publication year: 2017

Pages: 67-71

Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: A smart hotel is an intelligent hotel with a range of information technologies working together to let the customers have an honorable and convenient vacation environment. It allows customers to have a profound image about not only the hotel, but also the city and the country. Furthermore, it can increase the customer loyalty and repurchase rate as well. Thus, developing a smart hotel is critical for the hospitality industry in practice. This research presents a case study of a new five star intelligent hotel-Fleur de Chine Hotel at Sun Moon Lake in Taiwan. It describes how they built their digital hotel and virtual housekeeper service platform. Through the networked facilities and integrated information systems, people could get relevant information easily and efficiently. In addition, this smart system could provide hotel customers with the housekeeper service similar to a very important person (VIP) room or a presidential suite. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 32

Main heading: Hotels

Controlled terms: Customer satisfaction - Electronic commerce - Electronics industry - Sales - Smart city

Uncontrolled terms: Customer loyalty - Hospitality industry - Hotel managements - Integrated information system - Service innovation - Service platforms - Smart System - Sun moons

Classification code: 402.2 Public Buildings

Public Buildings

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

17. Constructing media-based enterprise networks for stock market risk analysis

Accession number: 20185006220106

Authors: Xing, Rong (1); Dong, Shengxin (1); Wang, Qinyu (2); Li, Qing (1); Luo, Xubin (1); Duan, Jiang (1)

Author affiliation: (1) Southwestern University of Finance and Economics, China; (2) Citigroup Services and Technology (China) Limited, China

Corresponding author: Xing, Rong(18085113319@163.com)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

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Pages: 59-66

Language: English

ISSN: 16830040

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Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Stock comovement analysis is essential to understand the mechanism of stock markets. Previous studies focus on the comovement from the perspectives of fundamentals or preferences of investors. In this article, we propose a framework to explore the comovements of stocks in terms of their relationships in Web media. This is achieved by constructing media-based enterprise networks in terms of the co-exposure in news reports of stocks and mutual attentions among them. Our experiments based on CSI 300 listed firms show the significant comovements of stocks brought out by their behaviors in Web media. Furthermore, utilizing media based enterprise networks can help us identify the most influential firms which can stir up the stock markets. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 18

Main heading: Investments

Controlled terms: Electronic commerce - Electronics industry - Financial markets - Risk analysis - Risk assessment - Smart city - Social networking (online)

Uncontrolled terms: Co movements - Enterprise networks - News reports - Social media - Web media

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

- 914.1 Accidents and Accident Prevention

Accidents and Accident Prevention

- 922 Statistical Methods

Statistical Methods

Funding Details: Number: 71401139,71671141,71671141,71401139, Acronym: NSFC, Sponsor: National Natural Science Foundation of China; Number: JBK 170505,JBK 171113,JBK120505,JBK151128, Acronym: -, Sponsor: Fundamental Research Funds for the Central Universities;

Funding text: This work has been supported by grants awarded to Dr. Qing Li from National Natural Science Foundation of China (NSFC) (71671141,71401139), and Fundamental Research Funds for the Central Universities (JBK 171113, JBK 170505, JBK151128, JBK120505).

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

18. Senior citizens' self-efficacy for ICT use: The influence of gender, social influence and social support

Accession number: 20185006220128

Authors: Guan, Chong (1); Wei, Jie (1); Chan, Calvin M.L. (1); Chia, Allan B.H. (1)

Author affiliation: (1) Singapore University of Social Sciences, Singapore, Singapore

Corresponding author: Chia, Allan B.H.(allanchiab@uss.edu.sg)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Volume: 2017-December

Part number: 1 of 1

Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

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Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

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Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: As the world becomes more digitally connected and most countries have longer life expectancy and an ageing population, it is critical to understand the factors affecting ICT adoption among the senior citizens. Previous researchers examined how various factors influence ICT adoption among senior citizens, including age, degree of functional impairment, financial resources, education level etc. In addition to the demographic factors, psychological factors such as computer self-efficacy (CSE) is also crucial in understanding ICT adoption among seniors. Building upon the classic psychological theory of self-efficacy, we proposed that CSE is an important mediating factor between social influence, social support and usage. We further posit that gender moderates the effect on social support and CSE among senior citizens. Specifically, the effects on women are augmented. To test the developed hypotheses, we conducted a person-administered survey comprising 503 Singaporeans aged between 55 and 75 years of age. Collected data were analysed using partial least squares. The results confirmed the proposed hypotheses and demonstrated that gender, social influence, social support and CSE are crucial in understanding ICT usage amongst seniors. Specific insights on the use of ICT among senior citizens are revealed. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 33

Main heading: Economic and social effects

Controlled terms: Electronic commerce - Electronics industry - Least squares approximations - Smart city

Uncontrolled terms: ICT use - Self efficacy - Senior citizens - Social influence - Social support

Classification code: 723.5 Computer Applications

Computer Applications

- 921.6 Numerical Methods

Numerical Methods

- 971 Social Sciences

Social Sciences

Numerical data indexing: Age 5.50e+01yr to 7.50e+01yr

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

19. Fintech trends relationships research: A bibliometric citation meta-analysis

Accession number: 20185006220112

Authors: Wu, Pei-Shan (1)

Author affiliation: (1) National Chengchi University, Taiwan

Corresponding author: Wu, Pei-Shan(angela07311@gmail.com)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Publisher: International Consortium for Electronic Business

Abstract: This paper presents a review among how scholarly research on Fintech trends relationships has evolved over the past years by conducting a bibliometric citation. This literature analysis was based on the publication journals and articles in the ISI Web of Science databases. We show the impact of cited journals, key articles and

outline possible future research avenues. Also, we map how the top publications are related in terms of their citation relationships and identify six different research fields, or lines of enquiry: (1) Payments, (2) Insurance, (3) Deposit & Lending, (4) Capital Raising, (5) Investment Management, (6) Market Provisioning. The study explores rankings of fintech-related journals list the first six journals had contributed eighty percentage of published papers, and concerned with the roles of information and communication technologies in the economy and society. Focusing on the research frontiers in finance, our paper identifies emerging research trends. We highlight possible pathways for researchers to build on existing knowledge and pursue opportunities for innovative and exciting new research contributing to an expansion of the research frontiers. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 20

Main heading: Fintech

Controlled terms: Analog to digital conversion - Electronic commerce - Electronics industry - Investments - Service industry - Smart city

Uncontrolled terms: Bibliometric - Economy and society - Financial services industries - Information and Communication Technologies - Investment management - Literature analysis - Research frontiers - Scholarly research

Classification code: 723.5 Computer Applications

Computer Applications

- 912 Industrial Engineering and Management

Industrial Engineering and Management

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

20. Principles of increasing the interactivity of mobile applications of smart parking

Accession number: 20185006220121

Authors: Hung, Wei-Hsi (1); Chuang, Kai-Ju (1, 2); Liao, Yen-Chieh (3)

Author affiliation: (1) National Chengchi University, Taiwan; (2) Hsuan Chuang University, Taiwan; (3) National Chung Chang University, Taiwan

Corresponding author: Hung, Wei-Hsi(fhung@nccu.edu.tw)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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ISSN: 16830040

Document type: Conference article (CA)

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Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Mobile applications (APPs) are adopted and downloaded widely around the world. Those APPs are those for examples linking to enterprise applications, management information systems, education systems, and healthcare systems. Thus, the importance of potential development APPs is hung. The objective of this study is to elicit design principles for ensuring the interactivity of smart parking APPs to be used especially in the city. This study conducted a systematic review on the past literature of interface design and case studies on seven smart parking APPs on the market in order to develop a design framework for smart parking APPs, which include a list of design principles. Then, four experts of APP design were involved in a series of interviews to improve the readability and usability of the framework. Finally, this study identified 11 principles for improving the interactivity of smart parking APPs, which are useful to the situation when users need to interact with a smart phone urgently in a small-touch-screen environment. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 20

Main heading: Information management

Controlled terms: Electronic commerce - Electronics industry - Medical computing - mHealth - Mobile computing - Smart city - Smartphones - Touch screens

Uncontrolled terms: Case-studies - Enterprise applications - Health-care system - Interactivity - Interface designs - Mobile applications - Smart parking - Systematic Review

Classification code: 718.1 Telephone Systems and Equipment

Telephone Systems and Equipment

- 722.2 Computer Peripheral Equipment

Computer Peripheral Equipment

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

21. Predicting the mobile consumer purchase behavior using quantified visual preferences

Accession number: 20185006220120

Authors: Yu, Youngjoon (1); Ahn, Jae-Hyeon (1)

Author affiliation: (1) KAIST, Korea, Republic of

Corresponding author: Ahn, Jae-Hyeon(jahn@business.kaist.ac.kr)

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Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Most mobile consumers make a decision about the product in a split second. The decision making in the mobile environment is surely faster than in front of the desktop. This paper claims that the decision-making in the mobile shopping is highly depending on the product's first impression and their visual preference. By predicting the human's visual preference based on the image processing model of perceived colorfulness and perceived visual complexity, this study tested an S-O-R path model from visual preference to consumer's bookmarking and purchase intention via age and gender as moderators. With the controlled laboratory experiment, we substantiated our predicting image preference model. Further, a plan for a real data based analysis is proposed to validate the congruity of our model with the Korean mobile shopping company later. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 75

Main heading: Consumer behavior

Controlled terms: Color image processing - Decision making - Electronic commerce - Electronics industry - Forecasting - Image analysis - Image processing - Purchasing - Smart city

Uncontrolled terms: Bookmarking - Colorfulness - First impressions - Visual complexity - Visual preference

Classification code: 723.5 Computer Applications

Computer Applications

- 741.1 Light/Optics

Light/Optics

- 912.2 Management

Management

- 931.3 Atomic and Molecular Physics

Atomic and Molecular Physics

Funding Details: Number: -, Acronym: KAIST, Sponsor: Korea Advanced Institute of Science and Technology;

Funding text: This research was supported by the funding from the research center for hyper-connected society in KAIST

Compendex references: YES

Database: Compendex
Compilation and indexing terms, Copyright 2021 Elsevier Inc.
Data Provider: Engineering Village

22. Replication attack detection in mobile wireless sensor network with LEACH-ME routing protocol

Accession number: 20185006220124

Authors: Chien, Da-Chun (1); Ku, Cheng-Yuan (1); Huang, Shu-Rong (1)

Author affiliation: (1) National Chiao Tung University, Taiwan

Corresponding author: Ku, Cheng-Yuan(cooper.c.y.ku@gmail.com)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Because the Wireless Sensor Network (WSN) nodes are low-cost devices, attackers may capture some nodes in this network and then duplicate these nodes to eavesdrop the transmitted messages or even control the network gradually without difficulty. This is the so-called node replication attack. This type of attacks could cause the huge threat to information security of WSNs. Therefore, in this paper, we would like to suggest a detection approach which can offer good performance but with higher energy consumption. Hence, it can provide an alternative solution for some specific applications that need better precision but do not care energy or lifespan too much. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 14

Main heading: Network security

Controlled terms: Computer network performance evaluation - Electronic commerce - Energy utilization - Internet protocols - Leaching - Network routing - Power management (telecommunication) - Routing protocols - Sensor nodes - Smart city

Uncontrolled terms: Alternative solutions - Attack detection - Detection approach - Life span - Low-cost devices - Mobile wireless sensor network - Performance evaluation

Classification code: 525.3 Energy Utilization

Energy Utilization

- 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

- 802.3 Chemical Operations

Chemical Operations

Funding Details: Number: 106-2410-H-009-025-MY3, Acronym: MOST, Sponsor: Ministry of Science and Technology, Taiwan;

Funding text: This work is partially supported by MOST 106-2410-H-009-025-MY3.

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

23. Adopting IoT technology to optimize intelligent water management

Accession number: 20185006220103

Authors: Li, Eldon Y. (1); Wang, Wen-Hsin (1); Hsu, Ying-Sung (2)

Author affiliation: (1) National Chengchi University, Taiwan; (2) FengChia University, Taiwan

Corresponding author: Wang, Wen-Hsin(alice.ntu@gmail.com)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Intelligent water management (IWM) has been used to study the supply and demand of tap water in Taiwan. This research aims to enhance existing and future water utility management. Leveraging the supervisory control and data acquisition (SCADA) technology that connects sensors to a distributive infrastructure, the system detects leaks, assesses quality, monitors discharge, and manages assets of water utility. In this paper, we propose a prototype of urban intelligent water system by installing an intelligent water meter. Three steps are undertaken to demonstrate the IWM: 1) choose the way of data transmission; 2) establish communication equipment and generate cloud database; and 3) apply big data analyses and value-added applications. By intelligently managing the water supply system, it generates benefits of saving water, saving energy and optimizing water resources dispatching. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 29

Main heading: Internet of things

Controlled terms: Big data - Data acquisition - Data communication equipment - Electronic commerce -

Electronics industry - Quality control - Smart city - Water management - Water supply - Water supply systems

Uncontrolled terms: Cloud database - Communication equipments - Saving energy - Supervisory control and data acquisition - Supply and demand - Technology adoption - Value added applications - Water utility

Classification code: 446.1 Water Supply Systems

Water Supply Systems

- 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 913.3 Quality Assurance and Control

Quality Assurance and Control

Funding Details: Number: No.106-2410-H-004 -052, Acronym: -, Sponsor: -, Number: -, Acronym: MOEA, Sponsor: Ministry of Economic Affairs;

Funding text: The research is partially supported by Ministry of Science and Technology in Taiwan (Grant No.106-2410-H-004 -052) and the Water Resources Agency, MOEA, Taiwan, R.O.C.

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

24. Curbing shopping cart abandonment in C2C markets - An uncertainty reduction approach

Accession number: 20185006220142

Authors: Tang, Heng (1); Lin, Xiaowan (1)

Author affiliation: (1) Faculty of Business Administration, University of Macau, Macau SAR, Brazil

Corresponding author: Tang, Heng(hengtang@umac.mo)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Number of references: 13

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

25. Preface

Accession number: 20185006220098

Authors: Li, Eldon Y. (1, 2); Shen, Kathy Ning (3)

Author affiliation: (1) National Chengchi University, Taiwan; (2) Asia University, Taiwan; (3) University of Wollongong, Dubai, United Arab Emirates

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Pages: ii-iii

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Data Provider: Engineering Village

26. Proceedings of the International Conference on Electronic Business (ICEB)

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

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Publication year: 2017

Language: English

ISSN: 16830040

Document type: Conference proceeding (CP)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: The proceedings contain 44 papers. The topics discussed include: a co-citation bibliometric analysis of crowdsourcing research; a crowdsourcing mode of tourism customization based on sharing economy; a historical perspective on decentralization and service delivery for socioeconomic development in Papua New Guinea; a study of conflict and resistant behaviors in the implementation of the ecosystem platform; adopting IoT technology to optimize intelligent water management; analyzing big data projects using Github and JavaScript repositories; and constructing media-based enterprise networks for stock market risk analysis.

Abstract type: (Edited Abstract)

Page count: 335

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

27. Problems of data science in organizations: An explorative qualitative analysis of business professionals' concerns

Accession number: 20185006220122

Authors: Salminen, Joni (1, 2); Milencovic, Milica (2); Jansen, Bernard J. (1)

Author affiliation: (1) Qatar Computing Research Institute, HBKU, Qatar; (2) Turku School of Economics, Qatar

Corresponding author: Salminen, Joni(jsalminen@hbku.edu.qa)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: In this exploratory study, we analyze 150 comments from 79 participants, the roles ranging from top management and other business professionals to software developers, to identify key problems of employing data science in organizations. The comments are retrieved from a publicly available LinkedIn discussion thread in which the participants are discussing the problems relating to data science implementation and management. We use qualitative coding to analyze the comments and find issues from several management-related categories, including (a) job descriptions and recruitment, (b) leadership, (c) economical aspects, and (d) clarity about data use and goals. The findings also highlight that 'data scientist' is not just a one role, but combination of many different roles, including analyst, scientist, programmer, and business person. The multiplicity of skills required hinders the recruitment of such individuals, and the existing organizational structures are not always compatible with the multidisciplinary nature of data scientists. We conclude with recommendations to address these issues. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 21

Main heading: Data Science

Controlled terms: Electronic commerce - Electronics industry - Employment - Job analysis - Management - Smart city

Uncontrolled terms: Analytics - Business professionals - Economical aspects - Exploratory studies - Organizational structures - Problems - Qualitative analysis - Software developer

Classification code: 723.5 Computer Applications

Computer Applications

- 912.2 Management

Management

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

28. Blockchain technology acceptance in electronic medical record system

Accession number: 20185006220105

Authors: Wanitcharakkhakul, Lakkana (1); Rotchanakitumnuai, Siriluck (1)

Author affiliation: (1) Thammasat University, Thailand

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

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Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Blockchain Technology is the advance information technology in medical sector that need secure data sharing among related parties in the network. The investigating factors have impacts on electronic medical record Blockchain technology adoption. Online questionnaire was developed from literature with performance expectation, trust, and risk concepts. Online survey sent to patients and medical personnel. The feedback respondents were 149. The research results showed that the most influential factor affecting the acceptance is performance expectation which includes the recognition of technological benefits and relative advantages. Trust factor has impact on acceptance and low risk has positive impact of the Blockchain technology. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 24

Main heading: Medical information systems

Controlled terms: Blockchain - Data Sharing - Electronic commerce - Electronics industry - Medical computing - Smart city - Surveys

Uncontrolled terms: Electronic medical record - Electronic medical record system - Health informations - Influential factors - Online questionnaire - Performance expectations - Technology acceptance - Technology adoption

Classification code: 723.5 Computer Applications

Computer Applications

- 903 Information Science

Information Science

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

29. Measuring the quality of financial electronic payment system: Combined with fuzzy AHP and fuzzy TOPSIS

Accession number: 20185006220118

Authors: Chen, Li-Ru (1); Liu, Kai-Hao (1); Lai, Fang-Pin (2); Chang, Shao-Shiun (1); Lee, Kou-Yi (2)

Author affiliation: (1) National Changhua University of Education, Taiwan; (2) National Chin-Yi University of Technology, Taiwan

Corresponding author: Liu, Kai-Hao(tw98@ms51.hinet.net)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

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ISSN: 16830040

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Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: The study aims to apply Fuzzy AHP in TOPSIS to discuss the key factors that foster the success of current third-party online payment platforms. This study organized the quality measurements into four categories and eleven sub-categories. The AHP in TOPSIS is applied to calculate the weighted averages of all categories and sub-categories to measure the quality of third-party online payment platforms. This study finds that "safety quality" is the most emphasized category, "system quality" is the second, "communication quality" is the third, and "service quality" is the least emphasized. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 93

Main heading: Electronics industry

Controlled terms: Electronic commerce - Hierarchical systems - Smart city

Uncontrolled terms: Communication quality - E-payments - Electronic payment systems - Fuzzy AHP - FUZZY TOPSIS - Quality measurements - Safety qualities - Weighted averages

Classification code: 723.5 Computer Applications

Computer Applications

- 961 Systems Science

Systems Science

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

30. Integrating innovation diffusion theory and the technology acceptance model: The adoption of blockchain technology from business managers' perspective

Accession number: 20185006220137

Authors: Lou, Antonio T.F. (1); Li, Eldon Y. (1)

Author affiliation: (1) National Chengchi University, Taiwan

Corresponding author: Li, Eldon Y.(eli@nccu.edu.tw)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Financial technology (FinTech) is the new business model and technology which aims to compete with traditional financial services and blockchain is one of most famous technology use of FinTech. Blockchain is a type of distributed, electronic database (ledger) which can hold any information (e.g. records, events, transactions) and can set rules on how this information is updated. The most well-known application of blockchain is bitcoin, which is a kind of cryptocurrencies. But it can also be used in many other financial and commercial applications. A prominent example

is smart contracts, for instance as offered in Ethereum. A contract can execute a transfer when certain events happen, such as payment of a security deposit, while the correct execution is enforced by the consensus protocol. The purpose of this paper is to explore the research and application landscape of blockchain technology acceptance by following a more comprehensive approach to address blockchain technology adoption. This research is to propose a unified model integrating Innovation Diffusion Theory (IDT) model and Technology Acceptance Model (TAM) to investigate continuance intention to adopt blockchain technology. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 25

Main heading: Blockchain

Controlled terms: Cryptocurrency - Diffusion - Electronics industry - Fintech - Smart city

Uncontrolled terms: Commercial applications - Continuance intentions - Electronic database - Financial technology (FinTech) - Innovation diffusion theory - Research and application - Technology acceptance - Technology acceptance model

Classification code: 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

31. The multi-channel E-service quality for Thai electronic tourism

Accession number: 20185006220132

Authors: Rotchanakitumnuai, Siriluck (1)

Author affiliation: (1) Thammasat Business School, Thammasat University, Thailand

Corresponding author: Rotchanakitumnuai, Siriluck(siriluck@tbs.tu.ac.th)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Volume: 2017-December

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

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Pages: 264-271

Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: This research identifies the multi-channel electronic service quality of Thai e-tourism including various online channels such as websites, social networks, smartphones, and Internet of Things, and their impact on cognitive image. The analysis of the factors of electronic tourism based on the survey from Thai and foreign tourists, the service quality of multichannel E-tourism consists of 8 factors: tangibility, responsiveness, reliability, trust, accessibility, ease of use, real time IoT, and security. The results of the study showed that the tourists considered the service quality via the Internet of Things technology important because of immediate responsiveness through devices and applications which can create cognitive and affective image. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 28

Main heading: Electronics industry

Controlled terms: Electronic commerce - Internet of things - Quality of service - Reliability analysis - Smart city - Tourism

Uncontrolled terms: Affective images - Cognitive image - E-service quality - Electronic service qualities - eTourism - Internet of things technologies - Online channels - Service Quality

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

Funding Details: Number: -, Acronym: TU, Sponsor: Thammasat University; Number: -, Acronym: TU, Sponsor: Thammasat University;

Funding text: The author gratefully acknowledges the financial support by Thammasat University under the TU Research Scholar Budget 2016.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

32. The influence and countermeasures of technical barriers to trade on the export of electromechanical products in China

Accession number: 20190906545288

Authors: Shuai, Qinghong (1); Pan, Xingbei (1); Xu, Yingliu (1); Tan, Shangyu (1); Wang, Weiting (1)

Author affiliation: (1) Southwestern University of Finance and Economics, China

Corresponding author: Pan, Xingbei(945490485@qq.com)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Volume: 2018-December

Part number: 1 of 1

Issue title: Proceedings of the 18th International Conference on Electronic Business: AI and Smart Tourism, ICEB 2018

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Publication year: 2018

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Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 18th International Conference on Electronic Business, ICEB 2018

Conference date: December 2, 2018 - December 6, 2018

Conference location: Guangxi, China

Conference code: 145276

Publisher: International Consortium for Electronic Business

Abstract: Since the entry of China into WTO, the increasingly active foreign trade activities of China have played a huge role in promoting the economic growth and development of our country. At the same time, TBT (Technical barriers to Trade) has developed rapidly and become a non-tariff barrier for the export of Chinese foreign trade enterprises. As a result, the export of mechanical and electrical products in China has been greatly affected by the TBT of importing countries. In this paper, the current situation of technical barriers to trade in the export of mechanical and electrical products in China is first expounded, and the negative and positive effects of technical barriers to trade on the export of mechanical and electrical products of our country are analyzed. Then, based on the trade gravity model, using the panel data of 26 trading countries of China from 2008 to 2017, this paper empirically investigates the influence of importing country's TBT on the export of mechanical and electrical products of China, and analyzes the reasons why Chinese mechanical and electrical products export encounters with TBT according to the above research. According to these reasons, the corresponding countermeasures are put forward. © 2018 International Consortium for Electronic Business. All rights reserved.

Number of references: 7

Main heading: Tourism

Controlled terms: Electronic commerce - Electronics industry - International trade - Leisure industry

Uncontrolled terms: Current situation - Economic growths - Electro-mechanical products - Export - Foreign trade enterprise - Mechanical and electrical products - Non-tariff barriers - Technical barriers to trade

Classification code: 723.5 Computer Applications

Computer Applications

Funding Details: Number: SC13A007, Acronym: NPOPSS, Sponsor: National Planning Office of Philosophy and Social Science; Number: -, Acronym: CUFU, Sponsor: Central University of Finance and Economics; Number: XZX18011, Acronym: -, Sponsor: -;

Funding text: This work is partially sponsored by grant 14BGL186 of National Planning Office of Philosophy and Social Science, grant SC13A007 of Sichuan Philosophy and Social Science Planning Key Projects of China and grant XZX18011 of Project of Basic Scientific Research Operation of Central University of Southwestern University of Finance and Economics.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

33. Research on multifunctional integrated internet platforms

Accession number: 20185006220125

Authors: Zhang, Guoyou (1, 2); Jiang, Wenlong (2); Wang, Ying (3); Liu, Shang (2)

Author affiliation: (1) School of Economics and Finance, Xi'an JiaoTong University, China; (2) School of Business Administration, Tongling University, China; (3) School of Foreign Languages, Tongling University, China

Corresponding author: Zhang, Guoyou(11132612614@sina.com)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Volume: 2017-December

Part number: 1 of 1

Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Issue date: 2017

Publication year: 2017

Pages: 215-221

Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Throughout the development of China's Internet industry for more than 20 years, we can tease out three stages that can represent the trend of the times: the first stage can be called "the Portal Era" with the entire Internet industry dominated by portal websites. However, with several major portals' transitions after being unable to maintain effective operation of their profit model, the Portal Era came to an end. The second stage we call "Social Network Era", represented by Sina Microblog and WeChat. The former had successful transitions after several ups and downs and the latter is trending and promising. Also vigorously developing are various social websites and mobile apps. In the midst of the laughter of those entrepreneurs, the industry came to a third stage of development: The Era of E-business. These three stages did not appear one after another in chronological order. Social networks and e-business platforms in fact exist simultaneously with two groups of people hitting on different roads that lead to the same destination. Social networks and business platforms are now already inescapably intertwined with each other: social networks attract traffic for e-business platforms while e-business platforms provide profit in return. What is more, big Internet giants aim to create a "theme park" magnificently situated in the internet world to provide one-stop services like portal browsing, e-business, third party payment, social networking and entertainment. At the same time, social network leaders also gradually provided e-commerce and the third party payment service without willing to pave way for others. Longer ago, with the smart phones sweeping the world, the mobile internet era approached quietly while online and offline businesses increasingly converged. Therefore, we have reasons to believe that the next important stage of Internet development will be named as the era of multi-functional integrated Internet platforms. © 2017 International Consortium for Electronic Business. All right reserved.

Main heading: Social networking (online)

Controlled terms: Electronic commerce - Electronics industry - Entertainment industry - Portals - Profitability - Smart city - Smartphones - Websites

Uncontrolled terms: Business platforms - Chronological order - E-business platforms - Internet development - Internet industries - Mobile Internet - Multi-functional - Third party payments

Classification code: 718.1 Telephone Systems and Equipment

Telephone Systems and Equipment

- 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

Numerical data indexing: Age 2.00e+01yr

Funding Details: Number: AHSK11-12D336, Acronym: -, Sponsor: -; Number: 2012jyxm521, Acronym: -, Sponsor: -;

Funding text: This paper is supported by Foundation of Philosophy & Social Science of AH Province, China(AHSK11-12D336) and Teaching & Research Foundation on Higher Education of AH Province, China(2012jyxm521).

Database: Compendex
Compilation and indexing terms, Copyright 2021 Elsevier Inc.
Data Provider: Engineering Village

34. The impact of product variety and product diversification on inventory levels: From a distributor perspective

Accession number: 20185006220141

Authors: Chang, Hsin-Lu (1); Chou, Yen-Chun (1); Yang, Hui-Ching (1)

Author affiliation: (1) National Chengchi University, Taiwan

Corresponding author: Yang, Hui-Ching(105356005@nccu.edu.tw)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Volume: 2017-December

Part number: 1 of 1

Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Issue date: 2017

Publication year: 2017

Pages: 317-320

Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: We have been working with W company, one of the largest electronic component distributors in Asia, to improve their warehouse management. Our research examines how product variety, the number of items demanded by customer plants through time i in month t , and product diversification, the proportion of total orders each item carried by customer plants i in month t through time, influence inventory levels. We argue that product variety and product diversification are positively related with inventory cost. We also argue that the impacts of product variety and product diversification on inventory cost are negatively moderated by IT integration. W company's inventory records come from many customers' orders at plant level across months. We thus aim to use panel data analysis to examine W company's product strategies and resulting inventory performance at each customer-plant level over 6 months. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 11

Main heading: Electronics industry

Controlled terms: Electronic commerce - Sales - Smart city - Warehouses

Uncontrolled terms: eBusiness - Electronic component - Format instruction - Headers and footers - ICEB - Inventory performance - Product diversification - Warehouse management

Classification code: 694.4 Storage

Storage

- 723.5 Computer Applications

Computer Applications

Numerical data indexing: Age 5.00e-01yr

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

35. An empirical study of the impact of social media on consumer music advocacy

Accession number: 20185006220134

Authors: Liu, Raymond R. (1); Zhang, Jurui (1)

Author affiliation: (1) University of Massachusetts, Boston, United States

Corresponding author: Liu, Raymond R.(raymond.liu@umb.edu)

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Issue date: 2017

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Pages: 287-290

Language: English

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Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Social media is widely used to build social network to promote product and service brands. It is very important to examine how people's online community activities and motivation influence their positive word-of-mouth behavior. In this study, we build a framework on how music consumers' consumption experience, consumer online engagement, and consumer online motivation influence their advocacy behavior. With more than 1000 respondents in a nation-wide survey, we have validated our measures, tested our model, and confirmed our hypotheses. Furthermore, we have discussed the theoretical and managerial implications. Finally, the limit of the research and future research are indicated. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 16

Main heading: Consumer behavior

Controlled terms: Electronic commerce - Electronics industry - Motivation - Smart city - Social networking (online) - Surveys

Uncontrolled terms: Advocacy - Consumer online engagement - Empirical studies - Experience - Managerial implications - On-line communities - Product and services - Word of mouth

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

- 912.4 Personnel

Personnel

- 931.3 Atomic and Molecular Physics

Atomic and Molecular Physics

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

36. Research on the third-party payment risk in the background of nets union clearing platform: The case of Alipay

Accession number: 20190906545277

Authors: Shuai, Qinghong (1); Xie, Lu (1); Tang, Yu (1); Hu, Hongxin (1); Wang, Weiting (1)

Author affiliation: (1) Southwestern University of Finance and Economics, China

Corresponding author: Tang, Yu(18145136030@163.com)

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Volume: 2018-December

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Pages: 549-556

Language: English

ISSN: 16830040

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Conference date: December 2, 2018 - December 6, 2018

Conference location: Guangxi, China

Conference code: 145276

Publisher: International Consortium for Electronic Business

Abstract: Third-party payment has become an important part of the current payment method in China. However, there are many risks associated with the development of the third-party payment network. The establishment of the Nets Union in 2017 had a significant impact on the standardization of the entire third-party payment market. By further researching the third-party payment risk under the background of Nets Union Clearing Platform, combining with the empirical analysis for the case of Alipay, this paper constructs the third-party payment risk model by AHP and fuzzy comprehensive evaluation, then making some recommendations for Third-party payment risk control management. © 2018 International Consortium for Electronic Business. All rights reserved.

Number of references: 18

Main heading: Risk assessment

Controlled terms: Electronic commerce - Electronics industry - Leisure industry - Tourism

Uncontrolled terms: Alipay - Empirical analysis - Fuzzy comprehensive evaluation - Payment methods - Risk controls - Third party payments

Classification code: 723.5 Computer Applications

Computer Applications

- 914.1 Accidents and Accident Prevention

Accidents and Accident Prevention

Funding Details: Number: XZX18011, Acronym: -, Sponsor: -; Number: -, Acronym: CUFU, Sponsor: Central University of Finance and Economics; Number: SC13A007, Acronym: NPOPSS, Sponsor: National Planning Office of Philosophy and Social Science;

Funding text: This work is partially sponsored by grant 14BGL186 of National Planning Office of Philosophy and Social Science, grant SC13A007 of Sichuan Philosophy and Social Science Planning Key Projects of China and grant XZX18011 of Project of Basic Scientific Research Operation of Central University of Southwestern University of Finance and Economics.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

37. A historical perspective on decentralisation and service delivery for socioeconomic development in Papua New Guinea

Accession number: 20185006220101

Authors: Bopi-Kerepa, George (1); Hamilton, John R. (2); Prideaux, Murray (1)

Author affiliation: (1) James Cook University, Townsville, Australia; (2) James Cook University, Cairns, Australia

Corresponding author: Hamilton, John R.(John.Hamilton@jcu.edu.au)

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Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Papua New Guinea (PNG) has over 800 different language groups. Decentralisation in PNG continues to devolve from central government. This paper considers government service delivery through decentralisation mechanisms noting provincial and local level governments have often inadequately facilitated service delivery. The 2014 District Development Authorities enabled provincial governments to be bypassed, thus reducing bureaucratic and administrative wastage, eliminate cultural and tribal politics, and delivering basic socioeconomic services directly at the district level. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 20

Main heading: Economic and social effects

Controlled terms: Electronic commerce - Electronic guidance systems - Electronics industry - Smart city

Uncontrolled terms: District development authority - Local level government - Papua New Guinea - Service delivery - Socio-economic development

Classification code: 723.5 Computer Applications

Computer Applications

- 971 Social Sciences

Social Sciences

Funding text: With funding of basic services controlled nationally and weak monitoring of public spending outcomes, local-level projects receive little of the financial support allocated (Filmer, Hammer & Pritchett, 2000; Filmer & Pritchett, 1999a, 1999b). For instance, Clarke (2015) and Feeny (2013) show that in PNG, central government increases in public spending on health bears little significance in reducing child/infant mortality; and that public spending on education has a very weak relationship to primary school completion rates. The DDA framework is embedded in the Medium Term Development Plans (MTDP). District Services Improvement Programme (DSIP) development grants directly fund districts projects – annually at ten million kina (K10m) per district. This district funding bypasses the PG system. The PGs also receives five million kina (K5m) per district within the province under the Provincial Services Improvement Program (PSIP). Annually provinces and districts receive between 12 to 15 per cent of the annual development budget.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

38. Impacts of users' extra-role behaviors on bright internet policy adoption

Accession number: 20185006220135

Authors: Zheng, Yujuan (1); Huang, Wei (1); Lee, Jae Kyu (2); Bao, Helen Xiaohui (3)

Author affiliation: (1) Xi'an Jiaotong University, Xi'an, Shaanxi, China; (2) Bright Internet Research Center, KAIST, Korea, Republic of; (3) University of Cambridge, United Kingdom

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Volume: 2017-December

Part number: 1 of 1

Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Issue date: 2017

Publication year: 2017

Pages: 291-294

Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Cyberspace security has been one top issue for a society. The Bright Internet (BI) based on the five principles offers a viable solution. The adoption of BI is important to the implementation of BI. A majority of the previous studies have mainly focused on access-policy violations and compliance in the past decades, while the extra-role behaviors have obtained insufficient attentions. Based on the theories of social control and accountability, this study examines the impacts of extra-role behaviors on BI policy adoption. The research findings have implications for future research and practice. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 34

Main heading: Electronics industry

Controlled terms: Control theory - Electronic commerce - Smart city

Uncontrolled terms: Access policies - Accountability theory - Extra-role behaviors - Implications for futures - Internet policy - Policy adoption - Social control - Viable solutions

Classification code: 723.5 Computer Applications

Computer Applications

- 731.1 Control Systems

Control Systems

Compendex references: YES

Database: Compendex
Compilation and indexing terms, Copyright 2021 Elsevier Inc.
Data Provider: Engineering Village

39. Gender effect on E-commerce sales of experience gifts: Preliminary empirical findings

Accession number: 20185006220113
Authors: Salminen, Joni (1, 2); Seitz, Sarem (3); Jansen, Bernard J. (1); Salenius, Tommi (4)
Author affiliation: (1) Qatar Computing Research Institute, HBKU, Qatar; (2) Turku School of Economics, Qatar; (3) Otto-Friedrich University Bamberg, Germany; (4) Parcero Marketing Partners, Finland
Corresponding author: Salminen, Joni(jsalminen@hbku.edu.qa)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
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Volume: 2017-December
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Issue date: 2017
Publication year: 2017
Pages: 106-115
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017
Conference date: December 4, 2017 - December 8, 2017
Conference location: Al Barsha, Dubai, United arab emirates
Conference code: 142153
Publisher: International Consortium for Electronic Business
Abstract: We analyze purchase data from 493 customers of an e-commerce store selling experience gifts to find how gender correlates with average purchase value, category of purchased products, and the use of discount codes. We find no significant differences for average purchase value or category of purchased products, but according to the data, women are more likely to use discount codes than are males. Ideas for further research concerning the gender effect on online shopping behavior are discussed. © 2017 International Consortium for Electronic Business. All right reserved.
Number of references: 24
Main heading: Consumer behavior
Controlled terms: Codes (symbols) - Electronic commerce - Electronics industry - Sales - Smart city
Uncontrolled terms: Empirical findings - Gender - Gender effects - Online consumer behavior - Online purchase behavior - Online shopping
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 931.3 Atomic and Molecular Physics
Atomic and Molecular Physics
Compendex references: YES
Database: Compendex
Compilation and indexing terms, Copyright 2021 Elsevier Inc.
Data Provider: Engineering Village

40. Research on user information behavior and hotspot prediction of WeChat official accounts based on Sootoo Network

Accession number: 20190906545278
Authors: Du, Shuyu (1); Yang, Bo (1); Chen, Wenjign (1); Xie, Pengfei (1); Dong, Hao (1)
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Source title: Proceedings of the International Conference on Electronic Business (ICEB)
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Volume: 2018-December
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Issue title: Proceedings of the 18th International Conference on Electronic Business: AI and Smart Tourism, ICEB 2018

Issue date: 2018

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Language: English

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Conference name: 18th International Conference on Electronic Business, ICEB 2018

Conference date: December 2, 2018 - December 6, 2018

Conference location: Guangxi, China

Conference code: 145276

Publisher: International Consortium for Electronic Business

Abstract: With the rapid development of mobile Internet, more and more attention has been paid to the new form of online social media represented by WeChat official accounts. However, these operators do not have clear ideas for enhancing WeChat heat, and clear and effective guidance on how to positively influence users' information behavior. Therefore, this paper combines the psychology neutral Stimulus-Response theory with the user information behavior research to construct a second-order user information behavior model. Then, through the official accounts data provided by the Sootoo Network, we collected a total of more than 10,000 push data of nine accounts from January to December, 2017. Based on the empirical research, we find the main influencing factors of user information behavior are identified, and construct a push hotspot prediction model. Also, this paper provides account operator with practical guidance significance in enhancing user information behavior. © 2018 International Consortium for Electronic Business. All rights reserved.

Number of references: 21

Main heading: Behavioral research

Controlled terms: Electronic commerce - Electronics industry - Forecasting - Leisure industry - Predictive analytics - Social networking (online) - Tourism

Uncontrolled terms: Empirical research - Hot spot - Information behavior - Online social medias - Practical guidance - Stimulus response - User information - WeChat official account

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

- 971 Social Sciences

Social Sciences

Funding Details: Number: 91546125, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;

Funding text: Financial support from the Science and Technology Plan Project of Beijing (No. Z171100000117009) is acknowledged. Financial support from the Science and Technology Plan Project of Beijing (No. Z171100000117009) and NSFC (No. 91546125) is acknowledged.

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

41. Study on the influence mechanism of knowledge inertia on the adoption of innovative medical equipment

Accession number: 20185006220140

Authors: Zhang, Xun (1); Xu, Biao (2)

Author affiliation: (1) Hohai University, China; (2) Nanjing University, China

Corresponding author: Xu, Biao(xubiao@nju.edu.cn)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

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ISSN: 16830040

Document type: Conference article (CA)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: This study examines the influence mechanism of knowledge inertia on the adoption of innovative medical equipment. We develop a conceptual model of the relationship of knowledge inertia, knowledge absorptive capability and the adoption of innovative medical equipment. Our research findings show that knowledge absorptive capability has a significant positive impact on the adoption of innovative medical equipment while knowledge inertia has a negative impact. In the mean time, knowledge absorptive capability mediates the relationship between knowledge inertia and the adoption of innovative medical equipment. Moreover, perceived organizational support and knowledge potential of doctor has a moderating effect on the relationship between knowledge inertia and knowledge absorptive capability. The paper rounds off with a discussion of expected contributions. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 30

Main heading: Knowledge management

Controlled terms: Electronic commerce - Electronics industry - Smart city

Uncontrolled terms: Absorptive capability - Conceptual model - Influence mechanism - Knowledge inertia - Knowledge potential - Moderating effect - Perceived organizational supports

Classification code: 723.5 Computer Applications

Computer Applications

Funding Details: Number: 14YJC630198, Acronym: -, Sponsor: -; Number: 71473116, Acronym: NSFC, Sponsor: National Natural Science Foundation of China; Number: -, Acronym: -, Sponsor: Fundamental Research Funds for the Central Universities;

Funding text: This work was supported by the Ministry of Education in China Project of Humanities and Social Sciences (Project No.14YJC630198) and National Natural Science Foundation of China (Grant No. 71473116). Also, this work was supported by "Fundamental Research Funds for the Central Universities" (Project No. No.2014B15014).

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

42. Research on the development of measurement scale for the synergy of college technological and creative team

Accession number: 20185006220126

Authors: Fan, Chuanhao (1); Wen, Ting (1); Xu, Buchao (2); Wang, Jigan (1); He, Kaiyuan (1)

Author affiliation: (1) Hohai University, China; (2) East China University of Technology, China

Corresponding author: Wen, Ting(wen5ting@163.com)

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Issue date: 2017

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Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: Based on the strictly scale development program and the sorting of existing literature, we used the methods of interview and open questionnaire to collect measurement items for the synergy of college technological and creative team. Next we preliminarily revised measurement items through expert interview, then explored and verified the presurvey scale by using exploratory factor analysis and confirmatory factor analysis. The results show that the measurement scale, consisted of 17 items with good reliability and validity, is constituted of member's identification

of team goals, information communication among members, commitment of cooperation, inter-behavior between members. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 18

Main heading: Behavioral research

Controlled terms: Electronic commerce - Electronics industry - Factor analysis - Multivariate analysis - Smart city - Surveys

Uncontrolled terms: College technological and creative team - Confirmatory factor analysis - Exploratory factor analysis - Information communication - Reliability and validity - Scale development - Synergy - The development of scale

Classification code: 723.5 Computer Applications

Computer Applications

- 922 Statistical Methods

Statistical Methods

- 922.2 Mathematical Statistics

Mathematical Statistics

- 971 Social Sciences

Social Sciences

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

43. A crowdsourcing mode of tourism customization based on sharing economy

Accession number: 20185006220100

Authors: Wang, Zihao (1); Peng, Zhenlong (1); Gui, Xiaolin (1); Ding, Chong (1)

Author affiliation: (1) Quanzhou Normal University, Quanzhou, China

Corresponding author: Peng, Zhenlong(jxndpzi@163.com)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

Volume: 2017-December

Part number: 1 of 1

Issue title: Proceedings of the 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

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Publication year: 2017

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Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United Arab Emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: China's latest innovations of Internet Economy are partly reflected in video live broadcast, shared bicycles etc. In recent years, tourism industry in China obtains rapid development by utilizing Internet. However, it is still difficult to meet the growing tourist demands. In order to solve this problem, in this paper, we put forward a Tourism Crowdsourcing Model (TCM), which utilizes the public creativity to meet the increasing demands for personalized tourism. Firstly, the main problems of the tourism industry are analyzed. Secondly, the pattern of TCM is elaborated, and a matching algorithm between the tourist requirements and the workers' abilities is well designed to find the qualified service providers efficiently and accurately. Finally, an example is given to verify the feasibility and effectiveness of the TCM based on shared economy. The results show that TCM has some significant advantages to satisfy the tourism personalized needs by motivating the public to participate in the tourism industry initiative. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 13

Main heading: Leisure industry

Controlled terms: Crowdsourcing - Electronic commerce - Electronics industry - Smart city - Tourism

Uncontrolled terms: Best-matched - Internet economy - Matching algorithm - Personalized tourism - Service provider - Sharing economy - Workers'

Classification code: 723.5 Computer Applications

Computer Applications

Funding Details: Number: 61172090,61472316,61502380, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;

Funding text: This research was supported partly by the following fund projects: 1Natural Science Foundation of China (No. 61172090,61472316,61502380) 2Key projects of science and technology plan in Fujian province, "Key techniques of task assignment and results collection on mobile crowd sensing based on trustable interaction" (No.2016H0029) 3Projects for Young Teacher in Fujian province 2015: "Research on Integration development of Mobile E-commerce and Inner location based on iBeacon" (No. JA15401). 4Key Projects of Quanzhou Technology Bureau in 2012 and 2013: "High Educational Engineering Research Center of Fujian Province for E-Commerce Intelligent Based on Cloud Computing and Internet of Things" (No. 2012Z102, 2013Z123) 5Quanzhou Federation of Social Science Circles, Fujian China, under Grant 2017D07. 6College Students Innovation and Entrepreneurship Training Program of Fujian Province (No. 201610399042)

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

44. The nature of IT firms: A systemic literature review and analysis

Accession number: 20185006220133

Authors: Huang, Sha (1); Xu, Dongming (1)

Author affiliation: (1) University of Queensland, Australia

Corresponding author: Huang, Sha(s.huang@business.uq.edu.au)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Volume: 2017-December

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Language: English

ISSN: 16830040

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Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017

Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: IT firms have grown in economic importance in the last few decades. It is the interest of both practitioners and researchers across a range of business management and information system disciplines. Having conducted a systemic literature review, we proposed a new conceptual definition and conceptual frameworks which together provides a deeper understanding of the essence of "IT firms". The definition we proposed of IT firm offers a way forward for identification of IT firms with increased understanding and a clear boundary. The conceptual framework synthesized the characteristic dimensions of IT firms. It not only improves current understanding of IT firms but also provides a solid foundation for further studies of IT firms. The types of IT firms developed in this paper offers a means of classifying different IT firms. The IT firm development framework in relation to innovation focus and improvisational capabilities not only advances understanding about IT firms, but also provides further research opportunities towards empirical testing and knowledge building. The insights discovered in the paper are also useful for business practitioners in strategy and consulting. The frameworks provide useful knowledge and advice for IT firms within the industry. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 98

Main heading: Electronics industry

Controlled terms: Computer aided instruction - Electronic commerce - Information management - Smart city

Uncontrolled terms: Business management - Business practitioners - Conceptual frameworks - Development frameworks - Economic importance - Improvisational capabilities - IT firms - Research opportunities

Classification code: 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

45. Research on transforming capability of economic system and its impact on urban competitiveness

Accession number: 20185006220127

Authors: Shi, Li (1); He, Sheng-Yu (1); Song, Chong (1)

Author affiliation: (1) Chengdu University of Information Technology, Chengdu, China

Corresponding author: Shi, Li(shili@cuit.edu.cn)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)

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ISSN: 16830040

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Conference date: December 4, 2017 - December 8, 2017

Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: With rapid development of Internet, ICT-drive forces for stimulating productivity and economic growth are becoming hot issues nowadays. Chengdu, Chongqing, Xi'an and Kuming are representatives of advanced productivity in Southwest China. Digitalization of economic system in these cities has raised a topic of great importance regarding transforming capabilities on Internet. To accelerate transforming and to foster sustainable growth, the research moves beyond ICT adoption to explore internal factors to speed up transforming in economic systems of the four cities. Evaluation Framework of Transforming Capabilities (EFTC) and Fuzzy Comprehensive Evaluation Model (FCEM) are proposed, and empirical data of the observing cities' during 2010-2015 has been collected. We further our research to the extent of internal regional economic system, and try to identify common factors in transforming based on industrial theory. Our research yields four findings. 1) Transforming capabilities range slightly in growth poles in South-west China; 2) New growth poles are shaping when economic society transforming on Internet; 3) Regions will face increasing pressure to develop on Internet; 4) Internal industrial structure has dominant impact on transforming capabilities. Finally, we offer recommendations regarding accelerating economic system transforming on Internet. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 24

Main heading: Metadata

Controlled terms: Digital storage - Electronic commerce - Electronics industry - Industrial research - Poles - Productivity - Regional planning - Smart city

Uncontrolled terms: eBusiness - Economic growths - Economic system - Transforming capability - West China

Classification code: 403.2 Regional Planning and Development

Regional Planning and Development

- 408.2 Structural Members and Shapes

Structural Members and Shapes

- 722.1 Data Storage, Equipment and Techniques

Data Storage, Equipment and Techniques

- 723.5 Computer Applications

Computer Applications

- 901.3 Engineering Research

Engineering Research

Funding Details: Number: 14BGL152, Acronym: NSSFC, Sponsor: National Office for Philosophy and Social Sciences;

Funding text: This work is supported by National Social Science Fund of China (Grant No.14BGL152). We are indebted to scholars' comments from our colleagues, Jia-Xian Qiu and Yong-quan Gao. According to their suggestions about analysis for details on regional industrial structure migration, we revised our research. We also thank the statistic experts from Local Statistic Bureau for their constructive comments and the field study participants for their involvement.

Compendex references: YES

Database: Compendex
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Data Provider: Engineering Village

46. A study of conflict and resistant behaviors in the implementation of the ecosystem platform

Accession number: 20185006220102
Authors: Hung, Wei Hsi (1); Tsai, Yen Sheng (1)
Author affiliation: (1) National Chengchi University, Taiwan
Corresponding author: Tsai, Yen Sheng(daniel@jordon.com.tw)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
Abbreviated source title: Proc. Int. Conf. Electron. Bus. (ICEB)
Volume: 2017-December
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Issue date: 2017
Publication year: 2017
Pages: 29-37
Language: English
ISSN: 16830040
Document type: Conference article (CA)
Conference name: 17th International Conference on Electronic Business: Smart Cities, ICEB 2017
Conference date: December 4, 2017 - December 8, 2017
Conference location: Al Barsha, Dubai, United arab emirates
Conference code: 142153
Publisher: International Consortium for Electronic Business
Abstract: The physical retail market of the J Company is impacted by up-and-coming virtual market channels, resulting in constantly shrinking business performance. Hence the J Company was compelled to launch an innovative ecosystem IT platform to re-capture market advantages through new technology application and new retail methods. However, the promotion of the new innovative platform was met with expected and unexpected resistance and conflict from within and outside the company. This paper explored ways to prevent and solve the problems confronted during the course of implementation to increase success in promoting the ecosystem platform. © 2017 International Consortium for Electronic Business.All right reserved.
Number of references: 16
Main heading: Ecosystems
Controlled terms: Electronic commerce - Electronics industry - Smart city
Uncontrolled terms: Business performance - IT platforms - Market advantages - New technology application - Retail market - Up-and-coming - Virtual markets
Classification code: 454.3 Ecology and Ecosystems
Ecology and Ecosystems
- 723.5 Computer Applications
Computer Applications
Compendex references: YES
Database: Compendex
Compilation and indexing terms, Copyright 2021 Elsevier Inc.
Data Provider: Engineering Village

47. Digital multimedia design integration model based on experience design

Accession number: 20185006220109
Authors: Chuang, Kai-Ju (1, 2)
Author affiliation: (1) National Chengchi University, Taiwan; (2) Hsuan Chuang University, Taiwan
Corresponding author: Chuang, Kai-Ju(karen9999k@gmail.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
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Language: English

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Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: The thought of experience design can create a digital media system environment that is in line with human life experience which can assist designers to plan tour experience for the users, and shape the digital media system environment with experience value. The objective of this study is to draw an effective design method through the experience design thinking and to apply it to the development of digital media system. Through the well-designed overall environment, the user's emotional experience can also be met. By way of the discussion of literature theory, consolidation of the expert interviews, and 14 case observations, this study summarizes the design principles applied to the integrated development of digital media systems. The results of this study sum up 12 design criteria and propose a set of feasibility and reference value of the design method for the relevant designer's reference. The design principle gives design workers a clear design and implementation criteria to promote the designers (managers, executor, etc.) to have a clearer goal, enhance the design quality of digital media, and to create an environment that is focused on user's feeling and experience. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 15

Main heading: Design

Controlled terms: Digital storage - Electronic commerce - Electronics industry - Human resource management - Smart city - User experience

Uncontrolled terms: Design and implementations - Design integrations - Design Principles - Digital multimedia - Ease-of-use - Emotional experiences - Experience design - Integrated development

Classification code: 722.1 Data Storage, Equipment and Techniques

Data Storage, Equipment and Techniques

- 723.5 Computer Applications

Computer Applications

- 912.2 Management

Management

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

48. Inferring social media users' demographics from profile pictures: A Face++ analysis on twitter users

Accession number: 20185006220117

Authors: Jung, Soon-Gyo (1); An, Jisun (1); Kwak, Haewoon (1); Salminen, Joni (1); Jansen, Bernard J. (1)

Author affiliation: (1) Qatar Computing Research Institute, Hamad Bin Khalifa University, Qatar

Corresponding author: Jung, Soon-Gyo(sjung@hbku.edu.qa)

Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Conference location: Al Barsha, Dubai, United arab emirates

Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: In this research, we evaluate the applicability of using facial recognition of social media account profile pictures to infer the demographic attributes of gender, race, and age of the account owners leveraging a commercial and well-known image service, specifically Face++. Our goal is to determine the feasibility of this approach for actual system implementation. Using a dataset of approximately 10,000 Twitter profile pictures, we use Face++ to classify this set of images for gender, race, and age. We determine that about 30% of these profile pictures contain identifiable images of people using the current state-of-the-art automated means. We then employ human evaluations to manually tag both the set of images that were determined to contain faces and the set that was determined not to contain faces, comparing the results to Face++. Of the thirty percent that Face++ identified as containing a face, about 80% are more likely than not the account holder based on our manual classification, with a variety of issues in the remaining 20%. Of the images that Face++ was unable to detect a face, we isolate a variety of likely issues preventing this detection, when a face actually appeared in the image. Overall, we find the applicability of automatic facial recognition to infer demographics for system development to be problematic, despite the reported high accuracy achieved for image test collections. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 20

Main heading: Face recognition

Controlled terms: Classification (of information) - Electronic commerce - Electronics industry - Population statistics - Smart city - Social networking (online)

Uncontrolled terms: Demographic inference - Demographics - Face - Personas - Social media - Twitter - User attributes

Classification code: 716.1 Information Theory and Signal Processing

Information Theory and Signal Processing

- 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

Numerical data indexing: Percentage 2.00e+01%, Percentage 3.00e+01%, Percentage 8.00e+01%

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

49. Just ticking the box: A social informatics model of the consequences of consent

Accession number: 20201408377773

Authors: Jamieson, David (1); Wilson, Rob (1); Martin, Mike (1)

Author affiliation: (1) Newcastle Business School, Northumbria University, United Kingdom

Corresponding author: Jamieson, David(david.a.jamieson@northumbria.ac.uk)

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Conference location: Newcastle upon Tyne, United kingdom

Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: Given the societal diffusion, proliferation and ubiquity of computerised systems and platforms, it is generally perceived by consumers that systems and eBusiness platforms often pose a threat to the privacy of their supplied information (Srnicsek, 2017; Andreotti et al., 2018). Furthermore, as we see the replacement of systems that were once manual and paper-based migrate to digital processes and information systems (Lunt et al., 2019), consent in the information era is reduced to 'Yes' or 'No' option, often in the form of a tick box. Additionally, despite the arrival of the General Data Protection Regulation in 2018 as means to provide protection in relation to data processing, we

argue that there is a lack of transparency in relation to the intention of this data processing and secondary data use for the purposes of research and marketing, for example. In light of this, we argue that there exists an increasingly difficult challenge to establish a mutual understanding of what consent actually is and what the wider permutations of it represents and comprehends. The lack of mutual understanding, in a digital world that is becoming increasingly reliant on the perceived benefits of acquiring and processing large sets of data (Kitchin, 2014; Breidbach et al., 2019) is deeply problematic. It is not only problematic for the consumer, but also to system developers, platform owners, and data processors alike. To this end, this paper presents a model, derived from action research, which positions the concept of consent within a socio-technical framing. This model approaches consent, in the context of digital platforms and eBusiness and how it comes to be represented in information systems, as a socio-technical construct of moral orders that imbues the feelings, convictions and aspirations of the consumer as they are engaged in the use of digital systems. We offer that consent is merely approached as an attribute in a data model, rather than relaying the communicative understanding of the consumer. This model introduces the areas of information processing systems and information communication systems as two differing interpretations within which digital platforms can be perceived. We offer these two distinctions as a mechanism to explain and, more importantly, explore the notion of the governance of consent and how this comes to be manifested in information systems. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 11

Main heading: Electronics industry

Controlled terms: Artificial intelligence - Data privacy - Electronic commerce - Informatics - Information systems - Information use

Uncontrolled terms: Consent - Data governances - Digital platforms - E-business platforms - General data protection regulations - Information processing systems - Information sharing - Mutual understanding

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 903.3 Information Retrieval and Use

Information Retrieval and Use

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

50. Analysing big data projects using github and JavaScript repositories

Accession number: 20185006220104

Authors: Hamilton, John R. (1); Tee, SingWhat (1); Holdsworth, Jason (1); Alshomali, Mohammad Azeez (1)

Author affiliation: (1) James Cook University, Australia

Corresponding author: Hamilton, John R.(John.Hamilton@jcu.edu.au)

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Conference code: 142153

Publisher: International Consortium for Electronic Business

Abstract: GitHub open source software developers remain in short supply. Successful GitHub projects offer multiple pathways for developers to contribute into their repositories. This study's GitHub JavaScript big data is path modelled to provide understanding of the different significant developer contribution pathways towards raising the project's activity level. Its significant pathways offer the project's creator benchmark decision making capabilities that can be used to trigger faster project software development through to its next completion point. This approach has behavioural

consumptive value connotations that may provide a future pathway towards tapping big data sources and to also delivering real business values. © 2017 International Consortium for Electronic Business. All right reserved.

Number of references: 24

Main heading: Open source software

Controlled terms: Big data - Decision making - Electronic commerce - Electronics industry - High level languages
- Open systems - Smart city - Software design

Uncontrolled terms: Activity levels - Business value - Consumption - Data-sources - Multiple pathways -
Popularity - Short supply - Value

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 912.2 Management

Management

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village