

Search Summary

Query : (((((International Conference on Electronic Business 2019) WN ALL)) AND
({international consortium for electronic business} WN PN))

Type : Expert

Results : 65

Database(s) : Compendex & Inspec

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1. Research on Application of Kansei Image of Culture in Big data of Product Design

Accession number: 20201408377849

Authors: Shi, Min (1); Xu, Lijun (2)

Author affiliation: (1) School of Art and Design, Fuzhou University of International Studies and Trade, China; (2) Nanjing Institute of Technology, Jiangsu, China

Corresponding author: Xu, Lijun(xulijun@njit.edu.cn)

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Issue title: Proceedings of the 19th International Conference on Electronic Business: Artificial Intelligence Empowered Business Processes, ICEB 2019

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: In pursuit of internationalization and globalization, the multinational corporations have begun to take into account the cultural differences between different regions for their product design and marketing strategy. This paper further clarifies the difference between the Kansei preferences and tendencies of consumers through the discussion on the relationship between products and the Kansei demand of consumers with different cultural backgrounds. In addition, in this paper, the Kansei demand of consumers will be learned through collecting the Kansei images of customers with different cultural backgrounds and learning about the differences of Kansei image affected by different cultural backgrounds and the Kansei factors such as the thoughts and feeling preferences of consumers under the influences of local cultures. Then, the factors affecting the Kansei demands of consumers with different cultural backgrounds are correctly analyzed, which will be helpful for the designers to master these design elements and apply them into product shape and functions, thereby designing the products that meet the consumers' expectations and improving the additional values of the products. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 17

Main heading: Product design

Controlled terms: Artificial intelligence - Big data - Cell culture - Economic and social effects - Electronic commerce - Electronics industry - Marketing

Uncontrolled terms: Cultural backgrounds - Cultural difference - Design elements - Kansei images - Marketing strategy - Multi-national corporations

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 911.4 Marketing

Marketing

- 913.1 Production Engineering

Production Engineering

- 971 Social Sciences

Social Sciences

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

2. Finding product problems from online reviews based on BERT-CRF model

Accession number: 20201408377840

Authors: Mao, Yusheng (1); Zhang, Liyi (1); Li, Yiran (1)

Author affiliation: (1) Wuhan University, China

Corresponding author: Zhang, Liyi(lyzhang@whu.edu.cn)
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Issue title: Proceedings of the 19th International Conference on Electronic Business: Artificial Intelligence Empowered Business Processes, ICEB 2019
Issue date: 2019
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Language: English
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Document type: Conference article (CA)
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Conference date: December 8, 2019 - December 12, 2019
Conference location: Newcastle upon Tyne, United kingdom
Conference code: 158514
Sponsor: Newcastle Business School; SME
Publisher: International Consortium for Electronic Business
Abstract: Online product reviews contain a lot of valuable information regarding product problems, which are very useful for producers to find product pain points and improve product quality. However, many studies focus only on the sentiment polarity of the product aspect, ignoring specific product problem information in online reviews. In this paper, product aspects and specific problem information are extracted from online reviews to help producers find the specific pain points of products. We call this task Review Problem Mining (RPM). At the same time, existing methods of review information extraction depend heavily on manually constructed features or large-scale data. To address these limitations, we proposed a new joint model BERT-CRF which integrates the popular pre-trained language model BERT and conditional random fields (CRF). The proposed method introduces external knowledge through BERT to reduce the model's dependence on training data and uses CRF to model the dependencies among tags. To verify the validity of our method, we constructed a dataset from JD.com and carried out the experiments. Experimental results show that the proposed method is highly effective. © 2019 International Consortium for Electronic Business. All rights reserved.
Number of references: 30
Main heading: Data mining
Controlled terms: Data reduction - Deep learning - Electronic commerce - Electronics industry - Information retrieval - Natural language processing systems - Random processes
Uncontrolled terms: BERT - Conditional random field - External knowledge - Large scale data - Natural language processing - Online product reviews - Product aspects - Specific problems
Classification code: 723.2 Data Processing and Image Processing
Data Processing and Image Processing
- 723.5 Computer Applications
Computer Applications
- 903.3 Information Retrieval and Use
Information Retrieval and Use
- 922.1 Probability Theory
Probability Theory
Funding Details: Number: -, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;
Funding text: This work was supported by grant No. 71874126, 71373192 from the National Natural Science Foundation of China.
Compendex references: YES
Database: Compendex
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Data Provider: Engineering Village

3. Research on the influencing factors in college students' entrepreneurship and innovation intention-base on the information exchange

Accession number: 20201408377853
Authors: Xiao, Zhuoya (1); Huang, Xin (2); Huang, Xiaowen (1)
Author affiliation: (1) College of Management, Shenzhen University, Shenzhen, China; (2) College of Management and Greater Bay Area International Institute for Innovation, Shenzhen University, Shenzhen, China
Corresponding author: Huang, Xin(huangxin0703@126.com)

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

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Abstract: This study will explore the influence factors of college students' innovation intention, the previous research mainly focus on self-efficacy and motivation, social capital for the influence of innovation intention, this research will be based on the previous research, put forward a new independent variable, to explore the effects of education, social capital, past experiences and peer relationship on information exposure, information sharing and pioneering consciousness. One of the innovation points of this study is to propose the influence of college students' peer relationship on information exposure and information sharing in entrepreneurship. Based on Self-determination Theory (SDT) and Conservation of Resources Theory (COR), students in universities were selected as the respondents. Empirical analysis was conducted by questionnaire, and PLS was used to test SEM to reach the final conclusion. The results show that university peer influence (close friends) is positively correlated with information exposure, information sharing and entrepreneurial intention. This study maintains that college students' education, social capital, previous experience and peer relationship are positively correlated with entrepreneurial intention, and these variables can also influence information exposure and information sharing. This study will be able to effectively improve the influence of university peer relationship, information exposure and information sharing in university entrepreneurship, and fill in the theoretical gaps of innovation and entrepreneurship papers. The relevant theoretical research in this paper will be effectively applied to universities. Through adjusting university peer relationship, information exposure and information sharing, it will better help college students form entrepreneurial intention. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 32

Main heading: Students

Controlled terms: Artificial intelligence - Conservation - Electronic commerce - Electronics industry - Information analysis - Information dissemination

Uncontrolled terms: Conservation of resources theories - Entrepreneurship - Independent variables - Information exchanges - Information exposure - Information sharing - Self-determination theories - University entrepreneurship

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 903.1 Information Sources and Analysis

Information Sources and Analysis

- 903.2 Information Dissemination

Information Dissemination

- 912 Industrial Engineering and Management

Industrial Engineering and Management

Funding Details: Number: 71901150, Acronym: -, Sponsor: -; Number: 2018465, Acronym: -, Sponsor: -; Number: 201910590108, Acronym: -, Sponsor: -;

Funding text: This work is partially supported by Shenzhen University Student Innovation Development Fund for Basic Experimental Project (No.2018465), Shenzhen University Undergraduate Innovation and Entrepreneurship Training Program (No. 201910590108), National Natural Science Found of China (71901150)

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

4. Modelling management consulting in India: Towards management consulting theory

Accession number: 20201408377845

Authors: Ramanujam, Rohit (1); Hamilton, John R. (1); Tee, SingWhat (1); Underdown, Michael (1)

Author affiliation: (1) James Cook University, Australia

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

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Pages: 285-299

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: This point-in-time, management consulting firm (MCF), empirical, global literature-supported quantitative study, engages a small but acceptable dataset. It builds a significant MCF-to-client-firm sustainable business positioning model to assist the client-firm (CF). The model's total effects highlight where MCF-to-CF improvements can likely produce greatest impact pathways onto CF outcomes. A new Management-Consulting-Theory is presented. Management Consulting Theory enlists current MCF competencies, and uses these to help create a collaborative suite of optimizable MCF-to-CF values and competitive intelligences capabilities. When suitably focused, this engaged system of MCF competencies, and its CF-absorbed MCF-to-CF capabilities enhancements, can jointly influence the enhancement of a CF sustainable business positioning - ideally one that remains adaptive, and also promotes an ongoing CF sustainable (competitive) business positioning. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 141

Main heading: Competition

Controlled terms: Artificial intelligence - Competitive intelligence - Electronic commerce - Electronics industry - Knowledge management - Sustainable development

Uncontrolled terms: Client firms - Digital transformation - Management consulting - Quantitative study - Structural path model - Sustainable business - Total effect

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 911.2 Industrial Economics

Industrial Economics

- 912.2 Management

Management

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

5. Tourist wildlife consumption qualitative considerations: Sabah, Malaysia

Accession number: 20201408377861

Authors: Binti Saikim, Fiffy Hanisdah (1); Hamilton, John R. (2); Tee, S. (1)

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

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

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

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: This study of 464 outbound tourists at the Kota Kinabalu International Airport (KKIA) investigates their perceptions after visiting various protected wildlife destinations in Sabah, Malaysia. It considers the conservation of these tourism destinations. Tourists recognize the destination, its wildlife and the habitat as unique, special, and unpredictable. Respondent tourists offer shared knowledge and new understanding, and other considerations around Sabah's global wildlife tourist market – such as how to accommodation, travel, and cost can enhance (or degrade) Sabah's wildlife tourism activities and experiences, and how the service qualities around this wildlife tourism can be measures against the tourist's perceived satisfaction levels. The study concludes Sabah's wildlife and natural habitats do deliver substantive tourist experiences and activities, and these coalesce into strong overall satisfaction levels within the tourist. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 47

Main heading: Animals

Controlled terms: Artificial intelligence - Conservation - Ecosystems - Electronic commerce - Electronics industry - Tourism

Uncontrolled terms: Destination experience - International airport - Natural habitat - Qualitative - Satisfaction - Service Quality - Sustainable tourism - Tourism activities

Classification code: 454.3 Ecology and Ecosystems

Ecology and Ecosystems

- 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

6. Discussion on the live broadcast of social media and e-commerce

Accession number: 20201408377835

Authors: Hsu, Karry Kailin (1)

Author affiliation: (1) National Chengchi University, Taiwan

Corresponding author: Hsu, Karry Kailin(karry@felizcg.com)

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: In recent years, online e-commerce in Taiwan has been widely used by brand owners (advertisers). Live e-commerce has been widely used to be brands communication to consumers due to the popularization of a large number of social media platforms. Communication contents between brands and consumers has a significant increased their sales, and social media communication changed beyond just texts but through the experiences and trusts presented by live broadcasters. E-commerce has become one of the most popular and dependent channels for purchasing. However, when a large number of products are exposed on the Internet, online marketing is an important key to the overall marketing strategy of enterprises. The use of online marketing to promote brand, message delivery, market research, customer relations, customer service, sales channels and promotional programs have become important means of Internet marketing. In recent years, the continuous growth of e-commerce has also changed the trading behavior of consumers and brands. The Internet has driven real-time transactions. This kind of trading behavior without time and place restrictions will continue to build on good brand values and customer relationship. This study explores the actual operation of social media by brand owners (advertisers) and the field operators of e-commerce. Due to the proliferation of media marketing, excessive online advertising, bloggers unboxing videos, testimonies, Google simulcasts, keywords, etc., advertising methods including artists and celebrities endorsements have made consumers ubiquitously passive and actively see these advertisements exposed. Thus consumers have begun to gradually lose the intensity of their trust in the media. The use of social media to make brands trustworthy, and consistently maintain a high degree of attachment have always been an important tool and format in the marketing process. The e-commerce live broadcast uses social media platform to give e-commerce a sense of experience and trust. Using real experience and dictation, the characteristics and key advantages of the product and its own experience directly and indirectly give consumers an expected sense of identity. E-commerce transactions have increased the use of social media to generate trading behavior. This study first describes the influence of social media (Facebook) on brand owners and consumers, and then defines the actual effects of social media usage tools, especially the live broadcast (store direct broadcast) introducing the goods sold to consumers. The resulting differentiated trust explores the credibility of e-commerce using live broadcasts on social media, and also explores customer relationships simultaneously, directly and indirectly affecting the trust and difficulty of consumers' final purchase behavior, while researching cases show that the brand and social media generated by the live economy are innovative in the ultimate sales trust. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 6

Main heading: Economic and social effects

Controlled terms: Artificial intelligence - Consumer behavior - Electronic commerce - Electronics industry - Public relations - Sales - Social networking (online) - User experience

Uncontrolled terms: Communication content - Customer relationships - E-commerce transactions - Media trust - Real-time transactions - Social commerces - Social media - Social media platforms

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 931.3 Atomic and Molecular Physics

Atomic and Molecular Physics

- 971 Social Sciences

Social Sciences

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

7. 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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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 (Srnicek, 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

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

8. The influencing factors on consumers' purchase intention under the cross-border E-commerce platforms

Accession number: 20201408377859

Authors: Qin, Zhen (1); Zhao, Lanwei (1); Ni, Yan (2)

Author affiliation: (1) Huazhong Agricultural University, China; (2) Institute of Economics of Hubei Academy of Social Science, China

Corresponding author: Qin, Zhen(qzwhan@mail.hzau.edu.cn)

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The purpose of this paper is to explore the influencing factors of consumers' willingness to purchase in the cross-border e-commerce websites and apps. We believe that the most significant factor affecting consumers' cross-border online shopping is online trust. Therefore, this study divided online trust of cross-border e-commerce platforms into four dimensions, and extracted four independent variables which are perceived usefulness, perceived easy to use, perceived security and consumers' trust propensity according to the TAM theory. Moreover, we used consumers' online trust as a mediator variable, constructed an expanded TAM research model to explore the mechanism and determinants of consumers' cross-border online shopping. Finally, the conclusions and implications were given according to the empirical analysis. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 28

Main heading: Electronic commerce

Controlled terms: Artificial intelligence - Electronics industry - Purchasing - Sales

Uncontrolled terms: Cross-border - E-commerce websites - Independent variables - Influencing factors - Online trust - Perceived securities - Perceived usefulness - Purchase intention

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

9. Application status and development suggestions of internet personal credit investigation

Accession number: 20201408377824

Authors: Liuyang, Li (1); Jin, Chen (1)

Author affiliation: (1) University of International Business and Economics, Beijing, China

Corresponding author: Liuyang, Li(1176265648@qq.com)

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The development of Internet finance has given birth to the Internet credit investigation industry, which has expanded the application scenarios of personal credit information from credit finance to credit life. Starting with the current development of personal credit investigation on the Internet in China, this paper introduces the typical enterprises of personal credit investigation on the Internet in China and the application scenarios of credit information. It further points out the problems of the internet personal credit reporting industry through the analysis of the industrial chain and proposes solutions. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 15

Main heading: Electronics industry

Controlled terms: Artificial intelligence - Electronic commerce

Uncontrolled terms: Application scenario - Application status - Credit life - Industrial chain - Personal credit

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Funding Details: Number: 2017YFB1400705, Acronym: -, Sponsor: National Basic Research Program of China (973 Program);

Funding text: Supported by the National Key Research and Development Program No.2017YFB1400705.

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

10. Constructing an emergency intelligence system: A multi-level framework

Accession number: 20201408377829

Authors: Guo, Hua (1, 2); Zhou, Haiwei (1); Li, Eldon Y. (3)

Author affiliation: (1) Hohai University, Nanjing, China; (2) Jiangsu Collaborative Innovation Center of World Water Valley and Water Ecological Civilization, China; (3) Chung Yung Christian University, Taiwan

Corresponding author: Guo, Hua(guohua@hhu.edu.cn)

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

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The processes and patterns of actors participating in emergency intelligence activities are not transcendental; instead, they are gradually molded in the intelligence activities and their corresponding management activities. The article constructs the emergency intelligence system based on the macro, meso and micro interconnected multiple mutual-construction theory. The research illustrates the constitution relations between the different levels of the emergency intelligence system and the interactions between the elements of the intelligence system. It also focuses on the analysis of the operating mechanism and the multi-level framework of the emergency intelligence system. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 94

Main heading: Artificial intelligence

Controlled terms: Electronic commerce - Electronics industry

Uncontrolled terms: Activity Theory - Constructivism - Intelligence activities - Intelligence systems - Management activities - Multilevels - Operating mechanism - Structuration Theory

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Funding Details:

Funding text: This work is partially supported by grant 16ZDA046 of the National Social Science Foundation, China.

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

11. Factors affecting continuance intention of mobile government services

Accession number: 20201408377771

Authors: Alshammari, Thamer (1, 2); Messom, Chris (1, 3); Cheung, Yen (1, 3)

Author affiliation: (1) Monash University, Australia; (2) Saudi Electronic University, Saudi Arabia; (3) Monash University, Australia

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: There are potentially substantial benefits of mobile government (m-government). From a government perspective, m-government can help in increasing efficiency and effectiveness as well as reducing government spending; from the citizens' perspective, m-government can help in providing real-time information access and personalized services. However, the low level of usage prevented both governments and citizens from realizing the potential benefits of m-government. As a result, researchers have studied the factors affecting the acceptance of m-government. However, to date, none have considered the factors that affect the continued use of m-government. We argue that investigating these factors will provide a greater insight on why the potential benefits have not been realized. The theoretical foundation of the proposed model builds on the Expectation-Confirmation Model (ECM) and Information System (IS) Success Model. This research-in-progress paper reports on research methodology and expected contributions. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 57

Main heading: Electronics industry

Controlled terms: Artificial intelligence - Electronic commerce

Uncontrolled terms: Confirmation - Continuance intentions - Mobile governments - Satisfaction - Trust

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

12. Understanding the turnover intention of crowd workers of microtask crowdsourcing platform

Accession number: 20201408377776

Authors: Lei, Yang (1); Cui, Xiling (2); Cheung, Waiman (3)

Author affiliation: (1) Southern University of Science and Technology, China; (2) Hong Kong Shue Yan University, Hong Kong; (3) Chinese University of Hong Kong, Hong Kong

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Publisher: International Consortium for Electronic Business

Abstract: Microtask crowdsourcing is a relatively new work form enabled by information technologies. For both practitioners and academics, understanding the turnover intention of the users, requesters and crowd workers respectively, of microtask crowdsourcing is very important. However, compared with the relatively large literature on requester, studies focusing on worker crowd workers are limited. Therefore, in this study, we investigate the crowd workers' intentions to leave the microtask crowdsourcing. The research goal is to analyze the motivations of crowd workers systematically and identify those factors that influenced their turnover intention. Based on perceived value and justice perspectives, a research model is developed. The proposed hypotheses will be tested using data from Amazon Mechanical Turk. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 48

Main heading: Crowdsourcing

Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry

Uncontrolled terms: Amazon mechanical turks - Crowdsourcing platforms - Perceived justice - Perceived value - Research goals - Research models - Satisfaction - Turnover intentions

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

13. Eco-system oriented instrument for measuring firm technology adoption

Accession number: 20201408377836

Authors: Doe, Joshua (1); van de Wetering, Rogier (1); Honyenuga, Ben (2); Versendaal, Johan (1)

Author affiliation: (1) Faculty of Management, Science and Technology, Open University of the, Netherlands; (2) Ho Technical University, Ghana

Corresponding author: Doe, Joshua(dlas1274@yahoo.com)

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

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Part number: 1 of 1

Issue title: Proceedings of the 19th International Conference on Electronic Business: Artificial Intelligence Empowered Business Processes, ICEB 2019

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Pages: 186-198

Language: English

ISSN: 16830040

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The development of the Firm Technology Adoption Model (F-TAM) of measuring firm technology adoption at the SME level addressed an important knowledge gap from a developing country context. The model, however, lacked a measuring instrument to allow researchers to engage the model empirically. In this study, a measuring instrument is designed, taken through self-review, expert review, focus group discussion, and then a pilot test. Statistical analysis of the pilot test shows that the instrument is both a valid and reliable for measuring SME innovation adoption from an ecosystem perspective. This paper, therefore, opens up new avenues for both industry and academic works on the adoption of digital innovations. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 77

Main heading: Electronics industry

Controlled terms: Artificial intelligence - Developing countries - Electronic commerce

Uncontrolled terms: Digital innovations - Innovation adoption - Knowledge gaps - Measuring instruments - Mobile Technology - SME adoption - Technology adoption - Technology adoption models

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

14. The dynamics of funding behaviors in reward-based crowdfunding projects

Accession number: 20201408377775

Authors: Bao, Zhuolan (1); Yang, Yuxing (1); Chau, Michael (2)

Author affiliation: (1) Chinese University of HongKong, Shenzhen, China; (2) University of Hong Kong, Hong Kong, Hong Kong

Corresponding author: Bao, Zhuolan(baozhuolan@cuhk.edu.cn)

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: With the growing popularity of crowd-funded markets, smaller manufactories and entrepreneurs are regarding crowdfunding as their main venue of financing. To better understand the dynamic behaviors of participants (i.e. backers) and supplement existing works in crowdfunding research, the paper studies how early backers'

funding decisions influence the later participants in a special reward-based crowdfunding projects. By using vector autoregressive models, we plan to find empirical evidence for the existence of herding and bystander effects in our research context while controlling for strong signals of founders' quality. With this research-in-progress, preliminary results and discussion are provided. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 26

Main heading: Crowdsourcing

Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry - Finance

Uncontrolled terms: Bystander effects - Crowdfunding - Herding effect - Reward-based - Vector autoregressive model

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Funding Details: Number: 01001096, Acronym: CUHK, Sponsor: Chinese University of Hong Kong;

Funding text: This research is supported in part by the President's Fund from The Chinese University of Hong Kong, Shenzhen (#PF01001096). We thank Kin Au and Richie Lo for their help in data collection.

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

15. What kind of answer will be better: Exploring the Features of High-quality Answer Contents in Social Q&A Community

Accession number: 20201408377778

Authors: Shi, Junpeng (1); Shen, Hongzhou (1); Ma, Qiaohui (1)

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Corresponding author: Shen, Hongzhou(shzsys@126.com)

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Publisher: International Consortium for Electronic Business

Abstract: The rigorousness, professionalism and seriousness of answer contents in social Q&A communities have declined sharply. It is of great significance to tell users how to provide excellent answer contents. The purpose of this research is to explore what features of answer content are more likely to make a high-quality answer. For this purpose, the research, taking "Zhihu" as an example, collects the data of answer contents with a crawler, combines initial analysis of the answer contents with related research literature, and selects 9 features that may have impacts on the quality of answer contents. Then the supervised machine learning method will be used to explore the features that can really affect the quality of answer contents, so as to provide reference for guiding users to provide high-quality answer contents. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 21

Main heading: Learning systems

Controlled terms: Electronic commerce - Electronics industry - Supervised learning

Uncontrolled terms: Features - High quality - Supervised machine learning

Classification code: 723.5 Computer Applications

Computer Applications

Funding Details: Number: 71974102, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;
Funding text: This research is sponsored by National Natural Science Foundation of China (71974102, 71403134).
Compendex references: YES
Database: Compendex
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Data Provider: Engineering Village

16. Implementing industry 4.0: Exploring the literature in a systematic way using text mining

Accession number: 20201408377841
Authors: Nayernia, Hamed (1); Bahemia, Hanna (1); Papagiannidis, Savvas (1)
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Issue date: 2019
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Pages: 242-252
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ISSN: 16830040
Document type: Conference article (CA)
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Conference date: December 8, 2019 - December 12, 2019
Conference location: Newcastle upon Tyne, United kingdom
Conference code: 158514
Sponsor: Newcastle Business School; SME
Publisher: International Consortium for Electronic Business
Abstract: The increasing popularity of digitisation practices and methods by scholars and practitioners alike has been paving the way for industrial transformation. Industry 4.0 has become an accepted trend across various industries, yet despite the increasing number of articles on this topic the complexities of implementation at the firm level remains largely vague and undefined. Therefore, the research presents a review of the social, operational and strategic aspects following the full-text mining of 116 selected articles. The study reveals that digital transformation requires stakeholders and investors to consider implementation through a multi-level and multidisciplinary lens. On this basis the study identifies the social, operational and strategic gaps within the literature and provides recommendations for future studies on implementation. © 2019 International Consortium for Electronic Business. All rights reserved.
Number of references: 39
Main heading: Text mining
Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry - Industry 4.0
Uncontrolled terms: CPPS - Digital transformation - Digitisation - IIoT - Implementation - Industrial transformations - Multilevels - Systematic Review
Classification code: 723.4 Artificial Intelligence
Artificial Intelligence
- 723.5 Computer Applications
Computer Applications
Compendex references: YES
Database: Compendex
Compilation and indexing terms, Copyright 2021 Elsevier Inc.
Data Provider: Engineering Village

17. Virtual world platforms end-user motives

Accession number: 20201408377863
Authors: Nazir, Mohamed (1); Hamilton, John (1); Tee, Singwhat (1)
Author affiliation: (1) James Cook University, Cairns; QLD, Australia
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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: This study enlists four motive constructs (achievement, control, escapism, and friendship) to show significant differences exist across when applied to different VWs platforms, and shows VW platform studies need to be investigated in isolation, and not in combination. The four motive constructs differ, and in structural equation modelling they can be treated as a combined suite of input motives, and against one VW platform at a time. Such studies offer developers (and relational marketers) direction when formulating and building their VW platform's sustainable positioning modelling outcome directions. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 59

Main heading: Virtual reality

Controlled terms: Artificial intelligence - Control engineering - Electronic commerce - Electronics industry - Gamification

Uncontrolled terms: Achievement - End users - Escapism - Friendship - Sustainable positioning - Virtual worlds

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

18. An examination of barriers to the adoption of smart living services: A case study of the al-Madinah region development authority

Accession number: 20201408377821

Authors: Alharbi, Fayez (1); McAvoy, John (1); Woodworth, Simon (1)

Author affiliation: (1) Business Information Systems, University College Cork, Cork, Ireland

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

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Language: English

ISSN: 16830040

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The Middle East region is undergoing significant changes due to the growing number of people migrating to the cities. This has influenced the growth of progressive smart city initiatives and agendas, which seek to improve

the quality of people's lives using technology-enhanced services. From health care to transportation, platforms to support smart living services are being developed and promoted as part of these efforts. Thus far, there has been slow adoption of these new technologies. This paper explores why people resist the very technologies that are being created to improve their lives. We use innovation resistance theory to examine functional barriers that hinder the adoption of smart living services in Saudi Arabia, in order to help inform the policy and marketing efforts of governments seeking to establish smart cities. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 81

Main heading: Electronics industry

Controlled terms: Artificial intelligence - Electronic commerce - Smart city

Uncontrolled terms: Barriers to innovations - Functional barriers - Middle East - Number of peoples - Region development - Saudi Arabia - Smart livings

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

19. An introduction to smart city research: A review of the past and the future

Accession number: 20201408377822

Authors: Kaewkitipong, Laddawan (1)

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

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: Smart city is a growing area of research. Its scope is broad as it touches individuals' life, government, and environment. Advancement in digital technologies, particularly the Internet of Things, have enabled cities to become smarter and thus affected many structures (physical, social, etc.). Given such broad scope and the effects the smart city could bring about, the growing numbers of research seems to be inadequate. This paper attempts to review the past studies and identify what have been done and not done. Smart city research related to Southeast Asia in particular is also looked at in this paper. The literature was categorised and discussed under three main aspects concerning the area of management information systems, namely business, organization and technology. Gaps are identified, and future research are called for. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 34

Main heading: Smart city

Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry - Industry - Information management

Uncontrolled terms: Digital technologies - Literature reviews - Social organisation - Southeast Asia

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications
Computer Applications
Compendex references: YES
Database: Compendex
Compilation and indexing terms, Copyright 2021 Elsevier Inc.
Data Provider: Engineering Village

20. What drives customer satisfaction and well-being in ridesharing? A developing country perspective

Accession number: 20201408377777
Authors: Shaikh, Aijaz A. (1); Karjaluoto, Heikki (1); Liébana-Cabanillas, Francisco (2)
Author affiliation: (1) University of Jyväskylä, Finland; (2) University of Granada, Spain
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Language: English
ISSN: 16830040
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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: This study examines ridesharing services from the customer perspective in a developing country context and investigates two significant post-adoption and marketing consequences: satisfaction and well-being. Using a purposeful sampling technique, six semi-structured in-depth interviews were conducted in Sindh province, Pakistan. Among the major findings are that customers' awareness of the services and how to use the mobile application, convenience of use, high perceived value, the quality of information available in the ridesharing mobile app, real-time location services, and an effective complaint resolution mechanism promote customer satisfaction and well-being. This study includes implications and an agenda for future research. © 2019 International Consortium for Electronic Business. All rights reserved.
Number of references: 30
Main heading: Customer satisfaction
Controlled terms: Artificial intelligence - Developing countries - Electronic commerce - Electronics industry - Sales
Uncontrolled terms: Consumer satisfactions - Ride-sharing - Sharing economy - Sindh - Well being
Classification code: 723.4 Artificial Intelligence
Artificial Intelligence
- 723.5 Computer Applications
Computer Applications
Compendex references: YES
Database: Compendex
Compilation and indexing terms, Copyright 2021 Elsevier Inc.
Data Provider: Engineering Village

21. Survival in the digital age – A framework for formulating a Digital Transformation Strategy in SME

Accession number: 20201408377858
Authors: Trenkle, Johannes (1)
Author affiliation: (1) Technical University of Munich, Munich, Germany

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Conference date: December 8, 2019 - December 12, 2019
Conference location: Newcastle upon Tyne, United kingdom
Conference code: 158514
Sponsor: Newcastle Business School; SME
Publisher: International Consortium for Electronic Business
Abstract: Many digitally successful companies have established a dedicated digital transformation strategy. An SME perspective on this topic remains unclear. I fill this research gap with a qualitative research approach. Main findings include a set of 14 strategic questions along four summarizing categories – use of technologies, changes in value creation, operational changes, and financial aspects. Three out of these four categories hold true in SME environments as they are valid in large corporation settings. I recommend establishing the term "organizational changes" instead of "structural changes" in order to increase fit to the mindset of SME owners. Answer options enrich these strategic questions, based on the experience of successful examples from the field. I identify differences between SME and large corporations in the areas of value creation, organizational changes and financial aspects. This paper elaborates theory on digital transformation strategy, contributing to understand management behavior and decision levels in an economic environment, where the adaptation of digital technologies has become an imperative. © 2019 International Consortium for Electronic Business. All rights reserved.
Number of references: 30
Main heading: Strategic planning
Controlled terms: Artificial intelligence - Decision theory - Electronic commerce - Electronics industry
Uncontrolled terms: Digital technologies - Digital transformation - Economic environment - Financial aspects - Management behavior - Operational changes - Organizational change - Qualitative research
Classification code: 723.4 Artificial Intelligence
Artificial Intelligence
- 723.5 Computer Applications
Computer Applications
- 912.2 Management
Management
- 961 Systems Science
Systems Science
Compendex references: YES
Database: Compendex
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Data Provider: Engineering Village

22. Consumer satisfaction and repurchase intention from cross-border e-commerce: A trust-risk-based study

Accession number: 20201408377831
Authors: Khayaiyam, Natthakorn (1)
Author affiliation: (1) Thammasat University, Thailand
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Publisher: International Consortium for Electronic Business

Abstract: E-commerce is a fast-growing economy today. The waves of cross-border e-commerce has also been accelerated resulting in big opportunities as well as threats to firms. Understanding consumer perception towards cross-border e-commerce is crucial especially perception of trust and risk towards cross-border e-commerce for the consumers need to transact with the system that may lead to various vulnerabilities. Moreover, the consumer loyalty is also critical for business in the central of highly competitive market to ensure sustainable profit and stable market position. In this study, Trusting Belief and Perceived Risk are major constructs incorporated with Expectation-disconfirmation Theory to extend the knowledge of e-commerce study by focusing on cross-border e-commerce amongst the consumers in Thailand. Trusting Belief and Perceived Risk are formed into expectation and performance constructs in accordance to Expectation-disconfirmation Theory to evaluate the pre-to-post purchase perception. The Structural Equation Model suggests that the post-purchase trust and perceived risk are highly influence to the expectation disconfirmation of which results in satisfaction and repurchase intention from the e-seller. In term of cross-border e-commerce, consumer expectation towards risk and trust on e-sellers is vary and not significant. They tend to expose themselves to risk at first; however, the post-purchase trust and risk are highly influential and shape a firm perception of trust and risk towards the e-sellers. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 34

Main heading: Risk perception

Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry - Sales

Uncontrolled terms: Cross-border - Expectation disconfirmation theory - Perceived risk - Repurchase intention - Trust

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 914.1 Accidents and Accident Prevention

Accidents and Accident Prevention

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Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

23. Case study: Cainiao and JD.com leading sustainability packaging in China

Accession number: 20201408377827

Authors: Yen, Benjamin (1); Wong, Grace (1)

Author affiliation: (1) University of Hong Kong, Hong Kong
Corresponding author: Yen, Benjamin(benyen@business.hku.hk)
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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: This case looks at the packaging waste problems created by increasing e-commerce in China and its development of recycling policies. This case introduces the concept of Green supply chain, sustainable packaging in particular and discuss the development of sustainable packaging in China. We also look at best practices implemented by other companies and countries. The case is for the purpose to compare advantages, disadvantages and limitations of sustainable packaging and traditional packaging, to evaluate the impact of sustainable packaging, and to recommend ways for businesses to implement sustainable packaging without increasing the cost for long term. © 2019 International Consortium for Electronic Business. All rights reserved.
Number of references: 16
Main heading: Packaging
Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry - Logistics - Supply chains - Sustainable development
Uncontrolled terms: Best practices - Green supply chain - Packaging waste - Recycling policy - Sustainable packaging
Classification code: 694.1 Packaging, General
Packaging, General
- 723.4 Artificial Intelligence
Artificial Intelligence
- 723.5 Computer Applications
Computer Applications
- 912 Industrial Engineering and Management
Industrial Engineering and Management
- 913 Production Planning and Control; Manufacturing
Production Planning and Control; Manufacturing
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Funding text: This work is partially supported by grant Seed Grant HKU (2018-2019) and Fudan-HKU JRF (2016-1029). The authors also would like to thank ACRC (HKU) for the comment and the class ECOM/ICOM-19 SCM class for the discussion and summary.
Compendex references: YES
Database: Compendex
Compilation and indexing terms, Copyright 2021 Elsevier Inc.
Data Provider: Engineering Village

24. A hybrid travel recommender system for group tourists

Accession number: 20201408377866
Authors: Liu, Wei (1); Liu, Dr Ran (1)
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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: Travel recommender systems (TRSs) are developed as information filtering tools to provide travel decision-making support. They make personalised recommendations based on the user's preferences. People tend to make group travel decisions based on trip-specific motivations. The current Group Travel Recommender Systems (GTRSs) exploit individual user's preferences and make group recommendations by aggregating profiles or aggregating recommendations. Although aggregation is a straightforward way to combine the preferences of different group members, it has been critiqued on overlooking of the group dynamics. Interaction needs among tourists' have a great influence on group travel preference. This proposed study explores a conceptual framework for a hybrid group travel recommender system based on this consideration. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 29

Main heading: Recommender systems

Controlled terms: Artificial intelligence - Behavioral research - Decision making - Electronic commerce - Electronics industry - Information filtering - Motivation

Uncontrolled terms: Conceptual frameworks - Group dynamics - Group interaction - Group members - Group recommendations - Personalised recommendations - Travel decisions - Travel motivations

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 903.1 Information Sources and Analysis

Information Sources and Analysis

- 912.2 Management

Management

- 912.4 Personnel

Personnel

- 971 Social Sciences

Social Sciences

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

25. The more you know, the more you buy? Knowledge and engagement drive luxury purchasing

Accession number: 20201408377860

Authors: Chi-Hsien, Kuo (1); Shinya, Nagasawa (1)

Author affiliation: (1) Waseda University, Tokyo, Japan

Corresponding author: Chi-Hsien, Kuo(theone.reine@gmail.com)

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

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Issue title: Proceedings of the 19th International Conference on Electronic Business: Artificial Intelligence Empowered Business Processes, ICEB 2019

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Conference name: 19th International Conference on Electronic Business, ICEB 2019

Conference date: December 8, 2019 - December 12, 2019

Conference location: Newcastle upon Tyne, United kingdom

Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The market for luxury goods has changed drastically for the most recent two generations of consumers, who account for almost half of these types of purchases. This is due in part to their integration of using the internet for online shopping, as well as their relationship to luxury goods. We tested eight hypotheses about the luxury goods purchasing behavior of these two generations. Each of the hypotheses has proven statistically significant, which suggests that marketing strategies for luxury goods need to change to address the different wants, and needs of a changing market. These research results suggest that consumer knowledge and awareness have a positive correlation with their level of trust, and risk in luxury brands. The implications of this suggest that practitioners of luxury goods marketing should invest in marketing strategies that address certain social peer groups, which can significantly influence their target market. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 43

Main heading: Electronics industry

Controlled terms: Artificial intelligence - Electronic commerce - Investments - Sales - Strategic planning

Uncontrolled terms: Consumer knowledge - Digital era - Knowledge perspective - Luxury goods - Luxury retail strategy - Marketing strategy - Positive correlations - Purchasing behaviors

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 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

26. Developmental problems of current cross border e-commerce companies and countermeasures

Accession number: 20201408377780

Authors: Tseng, TzuShan (1)

Author affiliation: (1) Ming Chuan University, Taiwan

Corresponding author: Tseng, TzuShan(shan23tw@yahoo.com.tw)

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

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Conference date: December 8, 2019 - December 12, 2019

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The development of cross border e-commerce industry is one of important global trends. From eMarketer (2019), the global sales of e-commerce in 2018 was 2.5 trillion US dollars and will reach 7.5 trillion US dollars in 2020. In this number - 7.5 trillion US dollars, the cross border e-commerce consumers will occupy 44.6% of e-commerce. Due to the quick development, companies will encounter problems by the way. The research purposes of this paper was to discuss some problems and provide suggestions. During the time of industry-academic cooperation, observational survey was used as the research methodology. The research subjects were 5 Taiwanese cross border e-commerce companies which located in the vehicles components industry and fashion handbag industry. The companies might have over a 30-years-old history or might be a new company. The common factor of these 5 companies are they all use cross border e-commerce multiple platforms to sell their products around the world. The research results and suggestions of these 5 cross border e-commerce companies are the following. Firstly, the problem is business opportunities are difficult to catch recently and the amount of each order earned is becoming smaller. The suggestion for this problem is to suggest adapting multiple cross border e-commerce portals operations on budgets and "Software Key activities" for decision making. The second problem is the cost of cross border e-commerce logistic is high. The suggestion for this problem is to use Big Data Analysis and artificial intelligence (AI) technology to calculate exact oversea inventories. The third problem is lack of trust. The suggestion for this problem is localization strategy, to systematically recruit and train the talents who are familiar with the culture, products and markets. And it should use the third-party money transfer security services. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 13

Main heading: Electronic commerce

Controlled terms: Artificial intelligence - Budget control - Decision making - Electronics industry

Uncontrolled terms: Artificial intelligence technologies - Business opportunities - Cross-border - Localization - Multiple platforms - Research methodologies - Research subjects - Security services

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 912.2 Management

Management

Numerical data indexing: Age 3.00e+01yr, Percentage 4.46e+01%

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

27. A sentiment analysis of peer to peer energy trading topics from twitter

Accession number: 20201408377819

Authors: Shan, Shan (1); Li, Honglei (1); Li, Yulei (2)

Author affiliation: (1) Northumbria University, Newcastle Upon Tyne, United Kingdom; (2) Durham University, Durham, United Kingdom

Corresponding author: Shan, Shan(shan.shan@northumbria.ac.uk)

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The emergence of the Peer-to-Peer (P2P) energy trading platforms provides a new method for the general public to use and trade green energy. How to design the peer to peer energy trading platform thus becomes important in facilitating user trading experience. This study will use the data mining method to evaluate factors impacting P2P energy trading experience. Python was used to analyze data extracted from Twitter and Natural Language Processing (NLP) method was implemented with hierarchical Latent Dirichlet Process (hLDA) model. . The study's findings will be examined in detail. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 70

Main heading: Data mining

Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry - Power markets - Sentiment analysis - Social networking (online) - User experience

Uncontrolled terms: Data mining methods - Dirichlet process - Energy trading - Feature engineering - General public - Green energy - hLDA - Natural language processing

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

28. Wildlife tourist consumption in Sabah Malaysia: A SEM path model approach

Accession number: 20201408377864

Authors: Binti Saikim, Fiffy Hanisdah (1); Hamilton, John R. (2); Tee, SingWhat (1); Underdown, Michael (1)

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

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

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

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Volume: 2019-December

Part number: 1 of 1

Issue title: Proceedings of the 19th International Conference on Electronic Business: Artificial Intelligence Empowered Business Processes, ICEB 2019

Issue date: 2019

Publication year: 2019

Pages: 491-500

Language: English

ISSN: 16830040

Document type: Conference article (CA)

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Conference date: December 8, 2019 - December 12, 2019

Conference location: Newcastle upon Tyne, United kingdom

Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: This study applies Animal Encounter Theory, Experience Theory, Biodiversity Hotspots Theory, Involvement Theory, the Theory of Planned Behavior, and User-Gratification Theory. It develops a behavioral Tourism Wildlife Behavior Path Model. This path model shows Sabah Malaysia's wildlife destination tourist experiences, and its in-situ tourist activities, do evoke a measurable positive change in the tourist's overall satisfaction level. It also offers management and workers at Sabah's wildlife destinations insight that may be beneficial in developing both wildlife and conservation servicing, along with other educational tourist information perspectives. These may also induce lasting tourist memories, and hopefully generate a lasting tourist loyalty. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 60

Main heading: Animals

Controlled terms: Artificial intelligence - Behavioral research - Biodiversity - Conservation - Electronic commerce - Electronics industry - Human resource management - Tourism

Uncontrolled terms: Destination experience - Encounter theories - Path models - Positive changes - Satisfaction - Sustainable tourism - Theory of Planned Behavior - Tourist activities

Classification code: 454 Environmental Engineering

Environmental Engineering

- 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 912.2 Management

Management

- 971 Social Sciences

Social Sciences

Funding text: Experience Theory and Animal Encounter Theory set the theoretical framework for animal encounters as a strength level of wildlife experiences. These encounters at a destination may offer sustainable and conservation considerations for participating tourists, the stakeholder, the animal, and the whole tourism industry. Experience Theory allows participating tourists to consider their chosen specific wildlife attraction/activity as a specific experience. Biodiversity Hotspots Theory considers the rich biodiversity within globally-threatened habitats, focusing on their key endemic species. Here, a sustainable (and marketable) wildlife tourism product, that is 'wildlife-friendly,' is supported by the Biodiversity Hotspots Theory.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

29. Analysis of the interactive strategy of microblog for snack food enterprises

Accession number: 20201408377823

Authors: Lan, Hongxing (1); Xue, Lai (2); Long, Yangyang (2); Meng, Zhiyi (3); Zu, Xu (1)

Author affiliation: (1) Sichuan Agricultural University, Chengdu, China; (2) Sichuan Agricultural University, Dujiangyan, China; (3) Sichuan University, Chengdu, China

Corresponding author: Zu, Xu(403008983@qq.com)

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

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

Volume: 2019-December

Part number: 1 of 1

Issue title: Proceedings of the 19th International Conference on Electronic Business: Artificial Intelligence Empowered Business Processes, ICEB 2019

Issue date: 2019

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Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 19th International Conference on Electronic Business, ICEB 2019

Conference date: December 8, 2019 - December 12, 2019

Conference location: Newcastle upon Tyne, United kingdom

Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: With the development of economic conditions and consumption patterns, snack foods have become the first choice in people's daily diet and consumption, while the market scale is rising, snack foods have also gained high public opinion attention. The existing research results show that the micro-blog interaction effect will positively affect the sales performance, but there are few characterization studies on the effective micro-blog interaction strategy of the snack food enterprises. In this paper, the typical snack food enterprises as an example, mainly through the network crawler to collect micro-blog interactive contents, text analysis, and finally through ANOVA analysis to study the effect of different interaction strategies. The research finds that the strategy of micro-blog interaction of snack food enterprises is better. The characteristic research results of this paper possibly provide reference and enlightenment for the future research of micro-blog interaction strategy of snack food enterprises. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 12

Main heading: Electronics industry

Controlled terms: Analysis of variance (ANOVA) - Artificial intelligence - Blogs - Electronic commerce - Social aspects

Uncontrolled terms: ANOVA analysis - Characterization studies - Consumption patterns - Interaction strategy - Interactive contents - Interactive strategy - Micro-blog - Snack food

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 901.4 Impact of Technology on Society

Impact of Technology on Society

- 922 Statistical Methods

Statistical Methods

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

30. Health service support system for aging people in smart communities from the social support perspective

Accession number: 20201408377850

Authors: Xu, Xiaoting (1); Yang, Mengqing (1); Jonathan, Farmer (2); Zhu, Qinghua (1)

Author affiliation: (1) Nanjing University, Nanjing, China; (2) De Montfort University, Leicester, United Kingdom

Corresponding author: Xu, Xiaoting(xxt9337@163.com)

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Conference date: December 8, 2019 - December 12, 2019

Conference location: Newcastle upon Tyne, United kingdom

Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: Smart community provides opportunities to develop the elder care system with information technologies for elderly people. Most existing studies on elder care system are from the macro level and there lacks practical development in this area, especially has ignored diversified elderly people's health needs. This study tried to investigate the elderly people's health needs by conducting interviews in two smart communities (Sanli community and Tieli community in Hefei city, Anhui province). We have interviewed 16 older adults and 16 of their grown-up children in the communities. With the help of Nvivo12, health needs about elderly people are coded into 57 free nodes and 8 tree nodes elderly people, which are further divided into four aspects based on the social support angle, information needs, instrument needs, substance needs, and emotion needs. Finally, we developed the health service system of smart communities from the subjects and functions of social support perspective. Through this study, we can better understand health needs of older adults and provide references for the development of health services in smart communities. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 46

Main heading: Health

Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry - Smart city - Telecommunication services

Uncontrolled terms: Anhui province - Elder care - Elderly people - Health services - Older adults - Smart community - Social support - Tree nodes

Classification code: 461.6 Medicine and Pharmacology

Medicine and Pharmacology

- 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Funding Details:

Funding text: This work is supported by grant 2018CW06 of Scientific Research Foundation of Graduate School from Nanjing University, China.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

31. Going digital: SMEs Based Food E-commerce Engaging Customer through Customer Needs-Driven

Accession number: 20201408377772

Authors: Utami, Hesty Nurul (1); Alamanos, Eleftherios (1); Kuznesof, Sharron (2)

Author affiliation: (1) Newcastle University Business School, United Kingdom; (2) School of Natural and Environmental Sciences, Newcastle University, United Kingdom

Corresponding author: Utami, Hesty Nurul(h.n.utami2@newcastle.ac.uk)

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

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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: This study explores food e-commerce engages customer to their needs, wants and lifestyle towards food purchase in the transition of retail revolution era. The focus is given to the customer engagement for co-creation process from the seller's perspective. The study was carried in Indonesia by applying an inductive research approach using in-depth interviews with multiple food e-commerce company's management (n=8). A six-stage of thematic analysis was applied using NVivo 12 software. The study showed that customer curiosity, customer buying behaviour change, customer food lifestyle changes and more demanding consumers underlying customer-needs driven. The SMEs proactively respond to consumer needs by communicating the expected benefits of food purchase via online channels. It activates the role of customer as value co-creator through familiarising food shopping based-online channel and experiencing the food online channel usage. The process of B2C value co-creation of food e-commerce is described as a process of gaining customer attention, role understanding, interaction, learning, intervention and making consumers discover. The transition stage of retail revolution of SME-based food e-commerce in developing countries demonstrates a conceptual process of value co-creation while exploring the customer needs-driven to this specific context. Both scholars and practitioners could learn from consumer behaviour changes displayed on online food purchase by managing each role and resources accordingly. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 15

Main heading: Sales

Controlled terms: Artificial intelligence - Developing countries - Electronic commerce - Electronics industry

Uncontrolled terms: Customer engagement - Customer need - In-depth interviews - Research approach - SMEs - Thematic analysis - Transition stage - Value co creations

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

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

32. Improving attribute classification with imperfect pairwise constraints

Accession number: 20201408377842
Authors: Li, Zequn (1); Li, Honglei (1); Shao, Ling (2)
Author affiliation: (1) Northumbria University, Newcastle Upon Tyne, United Kingdom; (2) Inception Institute of Artificial Intelligence, Abu Dhabi, United Arab Emirates
Corresponding author: Li, Zequn(Zequn.li@northumbria.ac.uk)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
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Volume: 2019-December
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Issue title: Proceedings of the 19th International Conference on Electronic Business: Artificial Intelligence Empowered Business Processes, ICEB 2019
Issue date: 2019
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Pages: 253-262
Language: English
ISSN: 16830040
Document type: Conference article (CA)
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Conference date: December 8, 2019 - December 12, 2019
Conference location: Newcastle upon Tyne, United kingdom
Conference code: 158514
Sponsor: Newcastle Business School; SME
Publisher: International Consortium for Electronic Business
Abstract: Semantic attributes extracted from images could help to improve many interesting applications, including image classification, recommendation systems and online advertising. However, learning of such attributes requires a large well-labelled dataset which is usually difficult and expensive to collect and sometimes requires human domain experts to annotate. Partially labelled data, on the contrary, are relatively easy to obtain from social media websites or be annotated by less experienced people. However, a partially labelled dataset usually contains a lot of noisy data which are challenging for previous methods. In this paper, we propose a semi-supervised Random Forest algorithm that can handle a small well-labelled attribute dataset and large scale pairwise data at the same time for classifying grouped attributes. Results on two typical attribute datasets show that the proposed method outperforms the state-of-the-art attribute learner. © 2019 International Consortium for Electronic Business. All rights reserved.
Number of references: 25
Main heading: Classification (of information)
Controlled terms: Decision trees - Electronic commerce - Electronics industry - Image enhancement - Large dataset - Learning systems - Online systems - Semantics - Semi-supervised learning
Uncontrolled terms: Experienced people - Imperfect data - Pairwise constraints - Pairwise data - Partially labelled data - Random forest algorithm - Semantic attribute - Social media websites
Classification code: 716.1 Information Theory and Signal Processing
Information Theory and Signal Processing
- 722.4 Digital Computers and Systems
Digital Computers and Systems
- 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

33. Social Commerce: Chanting the experience of shoppers in a developing country

Accession number: 20201408377856
Authors: Abdul Talib, Yurita Yakimin (1); Rusly, Fariza Hanim (1)

Author affiliation: (1) Tunku Puteri Intan Safinaz School of Accountancy, Universiti Utara Malaysia, Kedah, Malaysia
Corresponding author: Abdul Talib, Yurita Yakimin(yurita@uum.edu.my)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
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Volume: 2019-December
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Pages: 411-418
Language: English
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Document type: Conference article (CA)
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Conference date: December 8, 2019 - December 12, 2019
Conference location: Newcastle upon Tyne, United kingdom
Conference code: 158514
Sponsor: Newcastle Business School; SME
Publisher: International Consortium for Electronic Business
Abstract: The proliferation of the Internet, and the recent hype/massive popularity of social media for socialization and interactions have created a new landscape of social commerce. While social commerce via websites and marketplaces is accustomed in the Western market, the recent development indicates that millennials in the Southeast Asia are taking riskier buying decisions by embarking on business transactions with individual sellers on the social networking (SNS) platforms; known as customer to customer social commerce (C2C-SC). Taking into consideration of the rapid growth and potential security issues of this type of social commerce, it is therefore pivotal to understand why shoppers tend to shop on SNS platforms although they have options to shop on a more secured platform. This qualitative study was conducted, in a developing country of the Southeast Asia, to gain in depth understanding of buyers' engagement in the rapidly growing social commerce. Based on the thematic analysis from the interviews data, findings highlighted that buyers' interest for shopping on SNS platforms was instigated from the two motivational perspectives – intrinsic and extrinsic. Intrinsic motivations consist of feelings of convenience, sense of comfort and sense of satisfaction. Extrinsic motivations are formed by inputs of other buyers, sellers' characterization and products distinct. This study is amongst the first to explore online buyers' experiences that justify their interest to purchase on SNS platforms, which emerged from the interplay of internal and external factors. Findings offer insightful explanations on the phenomenon and contribute to further development in the body of knowledge of social commerce, specifically related to C2CSC. © 2019 International Consortium for Electronic Business. All rights reserved.
Number of references: 25
Main heading: Social networking (online)
Controlled terms: Artificial intelligence - Developing countries - Electronic commerce - Electronics industry - Motivation - Risk management - Sales
Uncontrolled terms: Extrinsic motivation - Gratification theory - Intrinsic motivation - Social commerces - Social media - Uses
Classification code: 723 Computer Software, Data Handling and Applications
 Computer Software, Data Handling and Applications
 - 912.4 Personnel
 Personnel
Funding Details: Number: -, Acronym: MOHE, Sponsor: Ministry of Higher Education, Malaysia;
Funding text: This work is supported by grant 13579 of the Education (MOHE) of Malaysia.Fundamental Research Grant
Compendex references: YES
Database: Compendex
 Compilation and indexing terms, Copyright 2021 Elsevier Inc.
Data Provider: Engineering Village

34. Citizens' adoption of digital technologies during COVID-19

Accession number: 20212010349402
Authors: Alshammari, Thamer (1, 2); Messom, Chris (1); Cheung, Yen (1)
Author affiliation: (1) Monash University, Australia; (2) Saudi Electronic University, Saudi Arabia
Corresponding author: Alshammari, Thamer(Thamer.Alshammari@monash.edu)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)

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Issue title: Proceedings of the 20th International Conference on Electronic Business: Electronic Business under COVID-19 Pandemic, ICEB 2020

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Pages: 474-477

Language: English

ISSN: 16830040

Document type: Conference article (CA)

Conference name: 20th International Conference on Electronic Business, ICEB 2020

Conference date: December 5, 2020 - December 8, 2020

Conference location: Virtual, Hong Kong, China

Conference code: 168684

Publisher: International Consortium for Electronic Business

Abstract: The spread of Coronavirus disease 2019 (COVID-19) has affected both governments and businesses worldwide. Besides lives loss and disease, COVID-19 causes reduction in economic growth and increase in the unemployment rate, companies' bankruptcy, and the workload of healthcare. Governments and businesses have relied heavily on the digital technologies to eliminate or at least reduce the spread and effect of COVID-19. Therefore, individuals (as citizens requiring government services, employees working in either public or private sectors, or costumers having goods or services) were only able to accomplish their tasks through digital technologies. COVID-19 effect has implications on many research fields, including information systems. Prior studies that investigated the adoption of digital technologies have focused on technological, personal, and/or institutional factors. This work-in-progress paper attempts to explore the digital technologies adoption through the lens of COVID-19. This research uses the grounded theory. This work-in-progress paper presents research methodology and expected contributions. © 2020 International Consortium for Electronic Business. All rights reserved.

Number of references: 31

Main heading: Electronics industry

Controlled terms: Electronic commerce - Service industry

Uncontrolled terms: Digital technologies - Economic growths - Government services - Institutional factors - Research methodologies - Through the lens - Unemployment rates - Work in progress

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

35. Two-sided e-market platform: A case study of cross border e-commerce between Thailand and China

Accession number: 20201408377862

Authors: Ractham, Peter (1); Banomyong, Ruth (1); Sopadang, Apichat (2)

Author affiliation: (1) Thammasat Business School, Thammasat University, Thailand; (2) Faculty of Engineering, Chiangmai University, Thailand

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

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ISSN: 16830040

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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: Cross Border Electric Commerce)CBEC(has become an important e-commerce model allowing local consumers to purchase products from international suppliers through CBEC platforms. However, in order to synchronize and coordinate the transactions between international sellers and local buyers, CBEC stakeholders need to build an online platform that link between the demand and supply markets. Thus, the Two-Sided Platform models where both buyers and sellers on both sides can share necessary information to promote a synchronous and coordinated market transactions. The two-sided platform can enable streamline coordination of products information, pricing and logistics transactions which could result in an optimal end-to-end CBEC supply chain activities. CBEC stakeholders such as suppliers, consumers, logistic and warehouse companies can gain advantages by expanding the network externality where all parties share relevant information with one another through the two-sided platform. In this study, we conducted interviews with stakeholders who are a part of CBEC trade for Durian and Cosmetics; two of the most popular products from Thailand for the Chinese CBEC market. The study concludes with the need from both demand side and supply side to have an end-to-end coordination. Thus, a supply side or the seller market platform need to be created and link with the demand side platform. Also, in order for supply side market to be created and sustainable in the long run. There are four factors that must be involves in the process 1(government support, 2(Supply Chain Coordination, 3(Online Platform Design ad 4(CBEC Customer Marketing Strategies. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 12

Main heading: Electronic commerce

Controlled terms: Artificial intelligence - Electronics industry - Information dissemination - Sales - Supply chains

Uncontrolled terms: Cross-border - e-Logistics - eBusiness - Market transactions - Network externality - On-line platform designs - Supply chain coordination - Two-sided platforms

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 903.2 Information Dissemination

Information Dissemination

- 912 Industrial Engineering and Management

Industrial Engineering and Management

- 913 Production Planning and Control; Manufacturing

Production Planning and Control; Manufacturing

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

36. Consortium blockchain for security and privacy-preserving in E-government Systems

Accession number: 20201408377828

Authors: Elisa, Noe (1); Yang, Longzhi (1); Li, Honglei (1); Chao, Fei (2); Naik, Nitin (3)

Author affiliation: (1) Northumbria University, United Kingdom; (2) Department of Computer Science, Aberystwyth University, United Kingdom; (3) Defence School of Communications of Information Systems, Ministry of Defense, United Kingdom

Corresponding author: Yang, Longzhi(longzhi.yang@northumbria.ac.uk)

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Conference name: 19th International Conference on Electronic Business, ICEB 2019

Conference date: December 8, 2019 - December 12, 2019

Conference location: Newcastle upon Tyne, United kingdom

Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: Since its inception as a solution for secure cryptocurrencies sharing in 2008, the blockchain technology has now become one of the core technologies for secure data sharing and storage over trustless and decentralised peer-to-peer systems. E-government is amongst the systems that stores sensitive information about citizens, businesses and other affiliates, and therefore becomes the target of cyber attackers. The existing e-government systems are centralised and thus subject to single point of failure. This paper proposes a secure and decentralised e-government system based on the consortium blockchain technology, which is a semi-public and decentralised blockchain system consisting of a group of pre-selected entities or organisations in charge of consensus and decisions making for the benefit of the whole network of peers. In addition, a number of e-government nodes are pre-selected to perform the tasks of user and transaction validation before being added to the blockchain network. Accordingly, e-government users of the consortium blockchain network are given the rights to create, submit, access, and review transactions. Performance evaluation on single transaction time and transactions processed per second demonstrate the practicability of the proposed consortium blockchain-based e-government system for secure information sharing amongst all stakeholders. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 28

Main heading: Network security

Controlled terms: Artificial intelligence - Blockchain - Data privacy - Data Sharing - Digital storage - e-government - Electronic commerce - Electronics industry - Peer to peer networks

Uncontrolled terms: Decentralised systems - E-government systems - Peer-to-Peer system - Secure information sharing - Security - Security and privacy - Sensitive informations - Validators

Classification code: 722 Computer Systems and Equipment

Computer Systems and Equipment

- 722.1 Data Storage, Equipment and Techniques

Data Storage, Equipment and Techniques

- 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

Funding Details: Number: IAPP 1-100077, Acronym: -, Sponsor: Royal Academy of Engineering; Number:

CSCTZCS-2017-717, Acronym: CSC, Sponsor: Commonwealth Scholarship Commission;

Funding text: This work has been supported by the Commonwealth Scholarship Commission (CSCTZCS-2017-717) and the Royal Academy of Engineering (IAPP 1-100077).

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

37. Investigating the key factor of virtual personal brand in e-commerce: A case study of "myhomes"

Accession number: 20201408377843

Authors: Chen, Jiann-Horng (1); Tsao, Sheng-Hao (2); Chyou, Jiin-Tian (2)

Author affiliation: (1) TransCloud Co., Ltd, United Kingdom; (2) Department of Management Information Systems, National Chengchi University, Taiwan

Corresponding author: Chen, Jiann-Horng(kurenai911@hotmail.com)

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The new era of the Internet and e-commerce have introduced enormous amount of big data analysis and artificial intelligence to the world, and that bring better user experiences to consumers, and provide suppliers with a more systematic management. Since 2016, traditional e-commerce platforms encountered expansion bottlenecks, new sales approaches were launched, such as utilizing facebook fanpages for marketing and livestream to get more attentions. Companies and virtual personal brands also get exposures from social media Youtube, Instagram and etc., some individuals operate as self-media and called Youtubers, social influencer or key opinion leader economy. This self-media not only have changed how Internet marketing used to be, and subverted the ecology between Internet marketing and e-commerce. Therefore, this study aims to explore how virtual personal brand drives sales performance particularly in real estate agents by applying DeLone & McLean's Information Systems Success Model to analysis success factors of Myhomes. The research reviews literature, interview platform users, and use study findings to evaluate how information system success model affect virtual personal brand positively, and why virtual personal brand is a significant ingredient for real estate agents to success. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 58

Main heading: Information management

Controlled terms: Artificial intelligence - Digital storage - Electronic commerce - Electronics industry - Information systems - Information use - Social networking (online) - User experience

Uncontrolled terms: Computer self-efficacy - Information system success model - Information systems success - Internet marketing - Myhomes - Real estate agents - Systematic management - Virtual personal brand

Classification code: 722.1 Data Storage, Equipment and Techniques

Data Storage, Equipment and Techniques

- 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 903.3 Information Retrieval and Use

Information Retrieval and Use

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

38. Motives to play a mobile location-based augmented-reality game of non-adopters: The case of Pokémon Go

Accession number: 20201408377846

Authors: Thongmak, Mathupayas (1)

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

Corresponding author: Thongmak, Mathupayas(mathupayas@tbs.tu.ac.th)

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

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ISSN: 16830040

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Conference date: December 8, 2019 - December 12, 2019

Conference location: Newcastle upon Tyne, United kingdom

Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The fast development of technologies such as Location-Based Service (LBS) and Augmented-Reality (AR) change the mobile game industry. Pokemon Go is a well-known location-based AR game. Few previous studies have studied the Pokemon Go's acceptance, but not with the non-adopters. The purpose of this paper is thus to apply the established theory, Technology Acceptance Theory (TAM), together with other potential determinants both the supporting and barrier factors to examine the intention to play the game of non-adopters. This work develops a research model including 6 factors: perceived enjoyment, subjective norms, privacy concerns, perceived ease of use, and perceived usefulness, and intention to play Pokemon Go and 12 hypotheses. Data were collected from 215 samples who were full-time students or full-time employees. Confirmatory factor analysis and structural equation modeling were applied to test the measurement model and proposed research model. Intention to play of non-players is directly enhanced by perceived enjoyment, perceived usefulness, and subjective norms. Privacy concerns indirectly influence intention to play via perceived usefulness. Subjective norms affect perceived ease of use, perceived enjoyment, and perceived usefulness respectively. Enjoyment and subjective norms also have indirect impacts on playing intention. The findings provide the guidelines to design for location-based AR game developers and the suggestions for the game providers. This study is one of few studies applying the TAM to location-based AR games and non-adopters. This work also incorporates meaningful factors that could explain the substantial changes in non-adopters' motives to play. Findings yield the contrary results in the context of Pokemon Go in Thailand, contributing to the literature of location-based AR games. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 62

Main heading: Location based services

Controlled terms: Artificial intelligence - Augmented reality - Electronic commerce - Electronics industry - Factor analysis - Location - Service industry - Telecommunication services

Uncontrolled terms: Location based - Mobile gaming - Non-adopters - Pokemon Go - Preadoption - Technology acceptance

Classification code: 716 Telecommunication; Radar, Radio and Television

Telecommunication; Radar, Radio and Television

- 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 922.2 Mathematical Statistics

Mathematical Statistics

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

39. Application analyses of visual information processing techniques in e-commerce

Accession number: 20201408377770

Authors: Zhu, Mark X. (1)

Author affiliation: (1) Nanjing University, Nanjing, China

Corresponding author: Zhu, Mark X.(xfzhu@nju.edu.cn)

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: Digital visual information plays a very important role in E-Commerce (EC). Their usage brings forth many novel research topics for digital visual information processing skills and software. Some issues of application analysis of image/video information processing techniques suitable for EC are described in the paper. Visual design for goods

or services trading, image retrieval based on visual contents, applications of images to the trade safety on the Internet, 3-dimensional display, virtual reality for goods browsing, inquiry based on image and video contents, trade safety and copyright protection of digital works based on digital watermarking are mainly discussed which are considered as the technological solutions that could enhance EC. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 20

Main heading: Electronic commerce

Controlled terms: Artificial intelligence - Copyrights - Digital watermarking - Electronics industry - Image enhancement - Image retrieval

Uncontrolled terms: Application analysis - Copyright protections - Digital works - Information processing technique - Technological solution - Visual information - Visual information processing - Visual retrieval

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 902.3 Legal Aspects

Legal Aspects

Funding Details:

Funding text: This work is supported by grant 10&ZD134 of the Key National Social Science Fund of China.

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

40. Preface

Accession number: 20201408377818

Authors: Li, Eldon Y. (1, 2); Li, Honglei (3)

Author affiliation: (1) Chung Yuan Christian University, Taiwan; (2) Tongji University, China; (3) Northumbria University, United Kingdom

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Volume: 2019-December

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Issue title: Proceedings of the 19th International Conference on Electronic Business: Artificial Intelligence Empowered Business Processes, ICEB 2019

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Pages: I-II

Language: English

ISSN: 16830040

Document type: Journal article (JA)

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Conference location: Newcastle upon Tyne, United kingdom

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Funding Details: Number: -, Acronym: -, Sponsor: Northumbria University;

Funding text: Welcome to the 19th International Conference on Electronic Business (ICEB 2019) in Newcastle upon Tyne, United Kingdom. The theme of this year's Conference is "Artificial Intelligence Empowered Business Processes". We received 109 submissions and 78 papers were accepted into the final program that consisted of 24 sessions. There were 46 full papers of which 6 were selected to receive the "Best Paper Award". The topic areas of the papers in this conference include e- business, smart cities, e-commerce and e-retail, artificial intelligence and its applications, blockchain and smart technologies, digital transformations in enterprises, social media and social commerce, e-supply chain management and e-logistics, smart tourism and hospitality, knowledge management and sharing, e-healthcare and e-entrepreneurship, co-creation in e-business, E- marketing, e-consumer behaviour and e-CRM, big data analytics and business intelligence, new technology acceptance and adoption, and strategies and models of electronic business. On the opening day, we have scheduled four keynote speakers: Prof Pär J. Ågerfalk, the Chief Editors of European Journal of Information Systems; Prof. Patrick Y.K. Chau, the Chief Editor of Information and Management; Prof. Feng Li from Cass Business School at City University of London; and Laura Partridge, Digital

Programme Lead, North East Local Enterprise Partnership in United Kingdom. Continued with the practice from last year, we have adopted virtual meeting for those who are not able to attend the meeting due to special reasons. We have followed the previous year's tradition to create a special session: "Meet the Editors". In addition, a new workshop on Artificial Intelligence with Python was created on Wednesday 11th December. This year, we have started up a new initiative to set up a sponsorship invitation to both academic institute and industry. Fortunately, ICEB2019 was sponsored by Newcastle Business School from Northumbria University and a local SME from Newcastle.

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Data Provider: Engineering Village

41. Proceedings of the 19th International Conference on Electronic Business: Artificial Intelligence Empowered Business Processes, ICEB 2019

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Publication year: 2019

Language: English

ISSN: 16830040

Document type: Conference proceeding (CP)

Conference name: 19th International Conference on Electronic Business, ICEB 2019

Conference date: December 8, 2019 - December 12, 2019

Conference location: Newcastle upon Tyne, United kingdom

Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The proceedings contain 61 papers. The topics discussed include: a sentiment analysis of peer to peer energy trading topics from twitter; a switch on electronic commerce mobile payment: from traditional queuing to elastic request as a payment service based on the edge computing model; analysis of the interactive strategy of microblog for snack food enterprises; application status and development suggestions of internet personal credit investigation city; assessing a business software application using strategic IT alignment factors: a new way for its evaluation?; case study: Cainiao and JD.com leading sustainability packaging in china; constructing an emergency intelligence system: a multi-level framework; consumer brand post engagement on facebook and instagram – a study of three interior design brands; a conceptual framework for data property protection based on blockchain; and automatic help system with voice input for passengers of drop taxi.

Abstract type: (Edited Abstract)

Page count: 584

Database: Compendex

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Data Provider: Engineering Village

42. Comparative study of business models of ridesharing platforms in Lithuania

Accession number: 20201408377779

Authors: Vitkauskait, Elena (1); Vaiiukynait, Egl (1)

Author affiliation: (1) Kaunas University of Technology, Lithuania

Corresponding author: Vitkauskait, Elena(elena.vitkauskaite@ktu.edu)

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

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The need for sustainable consumption practices is growing, as well as the need for sustainable business models. Sharing economy is promoting sustainable usage of materials, equipment and tools. Moreover, ridesharing is a recognized mean of sustainable mobility. As existing research usually compare sharing economy business models versus more traditional ones, in this study, authors aim to identify differences of business models of ridesharing platforms. The comparative analysis was carried out based on Business Model Canvas framework proposed by Osterwalder and Pigneur (2010). The data on business models of most significant ridesharing platforms operating in Lithuania was collected from secondary sources. The platforms compared in the paper are international (Uber, a global ridesharing service, and Bolt, a regional ridesharing service) as well as local (eTransport, providing ridesharing as an additional option, and CityBee, free-floating car-sharing service provider). Future research will include interviews with representatives of the ridesharing platforms and provide a more detailed case analysis. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 21

Main heading: Electronics industry

Controlled terms: Artificial intelligence - Electronic commerce

Uncontrolled terms: Business models - Lithuania - Platforms - Ride-sharing - Sharing economy

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

43. Digital transformation through enterprise systems: A variance model linking the drivers of business value and the value created from enterprise systems

Accession number: 20201408377834

Authors: Bhattacharya, Prithvi (1)

Author affiliation: (1) Higher Colleges of Technology, United Arab Emirates

Corresponding author: Bhattacharya, Prithvi(pbhattacharya@hct.ac.ae)

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Sponsor: Newcastle Business School; SME

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Abstract: Currently, the potential of Enterprise Systems to transform organizations is emerging as a popular area of investigation. The aim of this study is to a) identify the means of such transformation or business value creation,

beyond operational efficiency, that Enterprise Systems can enable and b) understand the drivers of such ES-enabled business value creation. This paper presented and found empirical support for a new model to establish relationships between the drivers of Enterprise Systems-enabled business value, and the business value created. The proposed model was empirically tested using data analysis of user cases of Enterprise Systems around the world. The study found evidence of support for both association and causality between drivers of business value (integrate, optimise and informate) and the business value created (Mergers and Acquisitions, Innovation, and Strategic Decision Making) from Enterprise Systems. This study can be treated as a foundation for further research for generalization of the proposed causal relationships between the value created by Enterprise Systems and the drivers of such value using detailed case studies, and uncovering more such causal relationships. The contribution of this paper is that it presents and empirically tests a new variance model that establishes causal relationships between drivers of business value from Enterprise Systems (integrate, optimise and informate) and the business value created (Mergers and Acquisitions, Innovation, and Strategic Decision Making). © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 78

Main heading: Electronics industry

Controlled terms: Artificial intelligence - Decision making - Electronic commerce - Mergers and acquisitions

Uncontrolled terms: Business value - Business value creation - Causal relationships - Digital transformation - Enterprise system - Operational efficiencies - Strategic decision making - Variance models

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 912 Industrial Engineering and Management

Industrial Engineering and Management

- 912.2 Management

Management

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

44. Artificial intelligence and business management: A scientometric analysis using CiteSpace

Accession number: 20201408377825

Authors: Qiu, Rui (1); Hou, Shuhua (2); Meng, Zhiyi (1)

Author affiliation: (1) Business School, Sichuan University, Chengdu; 610064, China; (2) School for Environment and Sustainability, University of Michigan, Michigan, United States

Corresponding author: Hou, Shuhua(shuhuah@umich.edu)

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Conference location: Newcastle upon Tyne, United kingdom

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The interactions between artificial intelligence and business management have been one of the most critical and dynamic research areas in the field of business in recent years. This paper reviews related literature of artificial intelligence and business management, and studies the evolution of emerging trends by using CiteSpace to evaluate

all relevant academic publications. The cluster, timezone and timeline visualizations have identified emerging trends of artificial intelligence and business management with three key topics: cost justification, big data, and decision-making. Cost justification is the hottest one in early years, followed by big data. In the last several years, decision-making is hot for artificial intelligence and business management. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 28

Main heading: Artificial intelligence

Controlled terms: Big data - Decision making - Electronic commerce - Electronics industry

Uncontrolled terms: Academic publications - Business management - Citespace - Cost justification - Dynamic researches - Emerging trends - Scientometric analysis - Timeline visualizations

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 912.2 Management

Management

Funding Details: Number: 2019 Self Research-BusinessC03, Acronym: -, Sponsor: -; Number: 2018hhf-45, Acronym: SCU, Sponsor: Sichuan University; Number: 2019JDR0155, Acronym: -, Sponsor: -; Number: 71901157, Acronym: NSFC, Sponsor: National Natural Science Foundation of China; Number: 16YJC630089, Acronym: MOE, Sponsor: Ministry of Education of the People's Republic of China;

Funding text: This research has been supported by the National Natural Science Foundation of China (Grant No.71901157 & 71903139), the Humanities and Social Sciences Foundation of the Ministry of Education of China (Grant No.16YJC630089), the Soft Science Program of Sichuan Province (Grant No. 2019JDR0155), the innovation spark project of Sichuan University (Grant No. 2018hhf-45), and the Basic scientific research service fee project of central universities of Sichuan University (Grant No. 2019 Self Research-BusinessC03 & C04).

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

45. Digital business strategy: An empirical analysis of mission statement content and financial performance

Accession number: 20201408377833

Authors: Kitsios, Fotis (1); Delimpasis, Timoleon (1); Kamariotou, Maria (1)

Author affiliation: (1) University of Macedonia, Thessaloniki, Greece

Corresponding author: Kamariotou, Maria(mkamariotou@uom.edu.gr)

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

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The mission statement identifies the fundamental raison d'être of an organization. However, developing such a document seems to be quite difficult, since most businesses end up crafting a meaningless text. Indeed, it is crucial to evaluate the content of the mission statement. The purpose of this chapter is to examine the relationship between the components of mission statement and financial performance in e-businesses. This was accomplished through one way ANOVA and t-test analysis. The findings of the research indicated that there isn't a positive relationship between the mission statement and the performance of digital businesses. In addition, it was revealed that only one

component had a positive and statistically significant correlation with a financial index. All other correlations were weak and statistically insignificant. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 36

Main heading: Strategic planning

Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry - Finance

Uncontrolled terms: E- business strategies - eBusiness - Financial performance - Mission statement - Organizational performance

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 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

46. Assessing a business software application using strategic IT alignment factors: A new way for IS evaluation?

Accession number: 20201408377826

Authors: Berberat, Steve (1); Baudet, Cédric (1)

Author affiliation: (1) University of Applied Sciences Western Switzerland (HES-SO), HEG Arc, Neuchâtel, Switzerland

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

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The alignment between the business strategy of an organization and its related information technology (IT) strategy, infrastructure and processes remains important for both research and practice. Prior studies have shown that effective strategic IT alignment (SITA) leads to effective business value. When measuring the SITA, these studies focused on the overall information system (IS) of an organization. However, it would be useful for practitioners to evaluate, not only a global alignment, but also the alignment of a specific business software application, which could lead to business value as well. Previous investigations in the IS evaluation field, such as studies related to the Information Systems Success Model (ISSM), do not include strategic alignment factors. In this contribution, we address the issue of how to evaluate a business software application using SITA factors. To identify SITA factors, we selected a set of scientific papers and documents from practitioners related to strategic alignment and we used them as input for a coding process. We followed the thematic analysis method for coding and we obtained a hierarchical structure of SITA factors. From this structure, and based on the Strategic Alignment Model (SAM), we built an emergent alignment model that clarifies relations between a business software application and first the organization's strategies (business and IT), second the organizational structure, and third the processes and operations of the IT department. The model reveals that all relations, except those between business strategy, organizational structure and business operations, are appropriate for evaluating the strategic alignment of a business software application. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 45

Main heading: Electronics industry

Controlled terms: Application programs - Artificial intelligence - Electronic commerce - Information systems - Information use - Strategic planning

Uncontrolled terms: Business applications - Is evaluations - IT strategies - Strategic alignment - Strategic alignment models

Classification code: 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 903.3 Information Retrieval and Use

Information Retrieval and Use

- 912.2 Management

Management

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

47. A switch on electronic commerce mobile payment: From traditional queuing to elastic request as a payment service based on the edge computing model

Accession number: 20201408377820

Authors: Shen, Hongbin (1); Shen, Bichuan (2); Penghao, Y.E. (3)

Author affiliation: (1) Chongqing Technology and Business University, Chongqing, China; (2) Chongqing University of Technology, Chongqing, China; (3) Zhongnan University of Economics and Law, Wuhan, China

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

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Volume: 2019-December

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Issue title: Proceedings of the 19th International Conference on Electronic Business: Artificial Intelligence Empowered Business Processes, ICEB 2019

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Document type: Conference article (CA)

Conference name: 19th International Conference on Electronic Business, ICEB 2019

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: The most common consumption payment problems are time delay, efficiency loss and poor experience caused by Queuing service congestion. This paper claims that a secure and highly efficient online mobile payment protocol is necessary. According to the special requirements of massive payment requests, high elasticity, high concurrency, high risk and instant response in mobile e-commerce, this paper propose an appropriate model for the application requirements of the service pattern for edge computing model-computing is service pattern, and the task model, computing model and service model provided by this pattern are abstracted. Finally, through LoadRunner load testing simulate request as a payment service model. Simulation results show that the construction of e-commerce retail payment network queuing model and mobile security payment protocol can solve the conversation of payment queuing efficiency and reduce waste of resources, and customers can enjoy safety payment experience. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 11

Main heading: Mobile commerce

Controlled terms: Artificial intelligence - Computation theory - Edge computing - Efficiency - Electric switches - Electronic money - Electronics industry - Global system for mobile communications - Load testing - Network protocols - Network security - Queueing theory

Uncontrolled terms: Application requirements - Appropriate models - Loadrunner - Mobile payment - Mobile payment protocol - Network queuing models - Queueing theory - Waste of resources

Classification code: 721.1 Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory

Computer Theory, Includes Formal Logic, Automata Theory, Switching Theory, Programming Theory

- 723 Computer Software, Data Handling and Applications

Computer Software, Data Handling and Applications

- 913.1 Production Engineering

Production Engineering

- 922.1 Probability Theory

Probability Theory

Funding text: This research was supported by the funding from the Institute of Digital Economy of Chongqing Technology and Business University and the School of Electrical and Electronic Engineering, Chongqing University of Technology.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

48. Experiential learning through role-playing in the digital technology for business course

Accession number: 20212010349364

Authors: Thongmak, Mathupayas (1)

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

Corresponding author: Thongmak, Mathupayas(mathupayas@tbs.tu.ac.th)

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 date: 2020

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Pages: 119-127

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ISSN: 16830040

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Conference name: 20th International Conference on Electronic Business, ICEB 2020

Conference date: December 5, 2020 - December 8, 2020

Conference location: Virtual, Hong Kong, China

Conference code: 168684

Publisher: International Consortium for Electronic Business

Abstract: The purpose of this paper is to investigate the use of role-playing in an introductory course. A study of how new pedagogical approaches affect students' learning is crucial due to the change of learning environments, the more disengaged students, and enrollment declines. A survey of 103 undergraduate students from two classes of the Digital Technology for Business course, who joined the role-playing activities in 2018 and 2019, were collected. The role-playing activities were conducted six rounds for each class, yielding 458 records for data analysis. Results from the nonparametric test equivalent to the dependent t-test indicate that experiential learning through role-playing activities improves students' perceived usefulness (understanding, problem-solving skills, creativity, and topic interests) and their engagement intention (role-playing engagement intention, class attendance intention, and class participation intention) in all aspects. The content analysis of the open-ended question also reveals key comments from students in terms of the received emotions/ feelings, benefits for audiences, general expectations, and expectations about role-playing. Lecturers could apply role-playing to enhance their classrooms and engage more students. The role-playing activities are fewer applied to technology-related courses. This work shows the effectiveness of role-playing and offers the guideline to implement role-playing in courses. © 2020 International Consortium for Electronic Business. All rights reserved.

Number of references: 27

Main heading: Students

Controlled terms: Computer aided instruction - E-learning - Electronic commerce - Electronics industry - Equivalence classes

Uncontrolled terms: Class participations - Digital technologies - Experiential learning - Learning environments - Open-ended questions - Pedagogical approach - Problem solving skills - Undergraduate students

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

49. Design memory protection based on embedded operating system with focus on PicoBlaze soft controller

Accession number: 20201408377832

Authors: Huang, Kaishan (1); Song, Xi (2); Jia, Chen (3)

Author affiliation: (1) Shenzhen University, China; (2) Greater Bay Area International Institute for Innovation, Shenzhen, China; (3) University of York, United Kingdom

Corresponding author: Song, Xi(sissie.song@gmail.com)

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Conference location: Newcastle upon Tyne, United kingdom

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: In dealing with inefficient operation system in today's e-business environment, the paper focuses on memory protection function based on real-time operating system. Originally, RTOS (Real-Time Operating System) lacks the memory protection feature in the basic system design. Since there is no complete memory protection available for operating systems based on PicoBlaze soft controller, the researcher is dedicated to fill the gap. The research explores how existing embedded operating systems realize memory protection and applies processor PicoBlaze to test such function. In addition, the researcher designed memory protection from hardware and software perspectives. The hardware is designed to have additional unit for memory protection while the software is to design assembler code that enables CPU executing related instructions. After testing and experiment, the result has achieved functional objectives and met requirements under restricted conditions of hardware design. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 16

Main heading: Electronics industry

Controlled terms: Artificial intelligence - Computer operating systems - Controllers - Electronic commerce - Embedded systems - Real time systems

Uncontrolled terms: E business environment - Embedded operating systems - Embedded operation systems - Hardware and software - Memory protection - Real time operating system - RTOS - Soft controllers

Classification code: 722.4 Digital Computers and Systems

Digital Computers and Systems

- 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 732.1 Control Equipment

Control Equipment

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

50. Research on operation mode and risk prevention of B2B supply chain finance

Accession number: 20201408377852

Authors: Zheng, Qiming (1); Dou, Yaqin (2); Wu, Yisheng (2); Shi, Yide (3)

Author affiliation: (1) Nanjing Polytechnic Institute, Nanjing, China; (2) Nanjing Institute of Technology, Nanjing, China; (3) Guangzhou University, Guangzhou, China

Corresponding author: Dou, Yaqin(douyq@njit.edu.cn)

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

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Conference location: Newcastle upon Tyne, United kingdom

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: B2B supply chain finance is the business innovation of e-commerce enterprises in the field of transforming supply chain finance. E-commerce platform, supply chain enterprises and service providers are important participants in B2B supply chain finance. Four flow coordination, credit enhancement, technology empowerment and win-win situation are the key elements of B2B supply chain finance. In view of the external environmental risks faced by the B2B supply chain finance operation at this stage and the structural risks, fund-side risks, technical risks and risks of collateral generated within the system, we put forward the formulation of external environmental risk early warning and response mechanism, the improvement of relevant legal system design, the scientific design of business processes, the strengthening of platform financial management, the improvement of technical application level and collateral supervision management system and other governance strategies in this paper. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 11

Main heading: Finance

Controlled terms: Artificial intelligence - Control engineering - Design - Electronic commerce - Electronics industry - Environmental regulations - Plant management - Supply chains

Uncontrolled terms: Business innovation - E-commerce enterprise - Environmental risks - Financial managements - Management systems - Risk prevention - Supply chain finances - Technical applications

Classification code: 454.2 Environmental Impact and Protection

Environmental Impact and Protection

- 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 912 Industrial Engineering and Management

Industrial Engineering and Management

- 912.2 Management

Management

- 913 Production Planning and Control; Manufacturing

Production Planning and Control; Manufacturing

Funding Details: Number: 19SCB-015,2016SJD630019, Acronym: NJIT, Sponsor: Nanjing Institute of Technology;

Number: JCYJ201622, Acronym: -, Sponsor: -;

Funding text: This work is partially supported by grant 2019SJZDA118 of major project of philosophy and social science research in colleges and universities of Jiangsu province: Research on the formation mechanism and countermeasures of the low-carbon supply chain cultural system under the O2O model; JCYJ201622 of basic research project of Nanjing Institute of Technology: Research on optimization and decision making of online supply chain finance research in the "Internet +" era , China; 2016SJD630019 of general project of innovation fund of Nanjing Institute of Technology: Research on Optimization and decision making of "Internet + supply chain" finance mode, China; 19SCB-015 of finance development special fund project of applied research fine engineering of social sciences

of Jiangsu province: Research on the realization path of "going out" of private enterprises in Jiangsu province with digital supply chain finance precision service under the strategy of "one belt and one way" .

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

51. Knowledge seeking: The new horizon on knowledge management

Accession number: 20201408377844

Authors: Lai, Han (1); Li, Honglei (2); Yao, Ruxian (1); Guo, Jin (2)

Author affiliation: (1) Huanghuai University, Henan, China; (2) Northumbria University, United Kingdom

Corresponding author: Yao, Ruxian(yaoruxian@126.com)

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: This study reviews the definition and development of Knowledge Management (KM) and discusses the differences of knowledge sharing and knowledge seeking in KM. Knowledge sharing has long been regarded as the most important factor in Knowledge Management implementations. However, this research discussed the three barriers of existing knowledge sharing in KM. Based on this discussion, it is proposed by authors that it is the knowledge seeking rather than knowledge sharing that plays the crucial role in KM. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 118

Main heading: Knowledge management

Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry

Uncontrolled terms: Knowledge management implementations - Knowledge seeking - Knowledge-sharing

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

Funding Details: Number: 2017SJGLX462, Acronym: -, Sponsor: -;

Funding text: The authors would like to thank the research was supported by Henan Key Laboratory of Smart Lighting, and the Henan Provincial Research Program: 'The Development and Practice of Speciality Construction in Computing Science and Technology in The Context of Emerging Engineering Education' (Program No.: 2017SJGLX462).

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

52. Research on Influencing Factors of Information Dissemination of WeChat Public Accounts Based on FSIPS Two-stage Model

Accession number: 20201408377851

Authors: Yang, Bo (1); Zhang, Xinrui (1); Zhang, Rong (1); Zhang, Lilong (1); Liang, Ziyi (1); Wang, Lingling (2)

Author affiliation: (1) Renmin University of China, Beijing, China; (2) Beijing Institute of Technology, Beijing, China

Corresponding author: Yang, Bo(yangbo_ruc@126.com)
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Conference date: December 8, 2019 - December 12, 2019
Conference location: Newcastle upon Tyne, United kingdom
Conference code: 158514
Sponsor: Newcastle Business School; SME
Publisher: International Consortium for Electronic Business
Abstract: The popularity and application of social media have a profound impact on user information dissemination in the Internet era. In China, WeChat's operation will face greater challenges as the number of Official Accounts climbs. This study focuses on the key factors of information dissemination effect in the two stage of "Sympathy under Feedback-Identify" and "Participate-Share & Spread" through constructing FSIPS two stage model, and analyzes the influencing factors of reading rate, comment rate and share rate from two dimensions in order to improve the distribution rate and information transmission for public operators. © 2019 International Consortium for Electronic Business. All rights reserved.
Number of references: 23
Main heading: Information dissemination
Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry
Uncontrolled terms: Information transmission - Public accounts - Public operators - Reading rate - Social media - Two stage model - Two-dimension - WeChat official accounts
Classification code: 723.4 Artificial Intelligence
Artificial Intelligence
- 723.5 Computer Applications
Computer Applications
- 903.2 Information Dissemination
Information Dissemination
Funding Details: Number: Z171100000117009, Acronym: -, Sponsor: -; 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) and NSFC (No. 91546125) is acknowledged.
Compendex references: YES
Database: Compendex
Compilation and indexing terms, Copyright 2021 Elsevier Inc.
Data Provider: Engineering Village

53. A conceptual framework for data property protection based on blockchain

Accession number: 20201408377865
Authors: Li, Qian (1); Xu, Meng (2); Fang, Miao (3); Yang, Meng (2); Guo, Yue (3)
Author affiliation: (1) Nanjing University, China; (2) China Mobile Information Technology, China; (3) Southern University of Science and Technology, China
Corresponding author: Xu, Meng(xumeng@chinamobile.com)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: Blockchain is a new decentralized infrastructure and distributed computing paradigm. The blockchain technology has the characteristics of decentralization, time series data, collective maintenance, programmable and secure. This paper addresses the needs of China Mobile's digital intellectual property protection and transaction, and uses the relevant design and technology in the blockchain to propose solutions and ideas for identity authentication and traceability of China Mobile's digital intellectual property transactions. Finally, the design concept of blockchain architecture based on China Mobile digital intellectual property transaction is proposed. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 9

Main heading: Blockchain

Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry - Intellectual property

Uncontrolled terms: Architecture-based - Conceptual frameworks - Design and technology - Digital assets - Identity authentication - Intellectual property protection - Time-series data - Traceability

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 902.3 Legal Aspects

Legal Aspects

Funding Details: Number: MCM20170306, Acronym: -, Sponsor: -; Number: 71872061, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;

Funding text: The authors would like to thank the anonymous referees for their valuable comments and suggestions. This work was supported by Ministry of Education - China Mobile Research Fund (MCM20170306) and the National Natural Science Foundation of China [grant numbers 71872061, 71702045]

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

54. Supplier concentration, ownership type and trade credit financing: Based on the empirical evidence of manufacturing industry listed companies in China

Accession number: 20201408377857

Authors: Dou, Yaqin (1); Zheng, Qiming (2); Dou, Xinfeng (1); Chen, Sijia (1)

Author affiliation: (1) Nanjing Institute of Technology, Nanjing, China; (2) Nanjing Polytechnic Institute, Nanjing, China

Corresponding author: Dou, Yaqin(douyq@njit.edu.cn)

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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: Trade credit belongs to the scope of supply chain internal financing, which reflects the principal relationship between enterprises and suppliers. Based on the empirical data from a main board manufacturing industry companies of 2008-2018, we examine the influence of supplier concentration on trade credit financing in enterprises with different property rights in this paper. We find that the higher the concentration of suppliers, the less trade credit financing enterprises get from suppliers, indicating that the worry about "fleecing" and similar opportunistic behaviors reducing suppliers' willingness to provide trade credit. We also find that the negative impact of supplier concentration on trade credit financing of non-state-owned enterprises is stronger than that of state-owned enterprises. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 27

Main heading: Electronics industry

Controlled terms: Artificial intelligence - Electronic commerce - Finance - Manufacture - Supply chains

Uncontrolled terms: Empirical data - Manufacturing industries - Ownership type - Property right - State owned enterprise - Trade credit - Trade credit financings

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 912 Industrial Engineering and Management

Industrial Engineering and Management

- 913 Production Planning and Control; Manufacturing

Production Planning and Control; Manufacturing

- 913.4 Manufacturing

Manufacturing

Funding Details: Number: 19SCB-015, Acronym: NJIT, Sponsor: Nanjing Institute of Technology;

Funding text: This work was financially supported by grant JCYJ201622 of basic research project of Nanjing Institute of Technology: Research on optimization and decision making of online supply chain financing research in the "Internet +" era, China; CKJB201805 of general program I of innovation fund of Nanjing Institute of Technology: Research on the function dissimilation and governance mechanism of capital market in Enterprise Group, China; 19SCB-015 of finance development special fund project of applied research fine engineering of social sciences of Jiangsu province: Research on the realization path of "going out" of private enterprises in Jiangsu province with digital supply chain finance precision service under the strategy of "one belt and one way".

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

55. Consumer brand post engagement on Facebook and Instagram – A study of three interior design brands

Accession number: 20201408377830

Authors: Eriksson, Niklas (1); Sjöberg, Annette (1); Rosenbröijer, Carl-Johan (1); Fagerstrøm, Asle (2)

Author affiliation: (1) Arcada University of Applied Sciences, Finland; (2) Kristiania University College, Norway

Corresponding author: Eriksson, Niklas(niklas.eriksson@arcada.fi)

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: Social media has become an important part of consumers' brand interaction. This study takes a content analysis research approach in order to investigate the content type of three interior brands' postings on two popular social media sites, Facebook and Instagram, and explore how consumers engage with the content. The results show that slightly different content strategies are used on Facebook and Instagram, and the level of consumer brand post engagement varies between the two platforms. Instagram showed clearly a higher consumer brand post engagement compared to Facebook. Brand post engagement on the two social media sites is enhanced by entertaining and inspirational content. Especially on Instagram, inspirational content created the highest brand engagement. The findings are important for brands that strive to engage with fans on social media sites. Managerial and practical implications are discussed, together with future research. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 31

Main heading: Social networking (online)

Controlled terms: Architectural design - Artificial intelligence - Electronic commerce - Electronics industry

Uncontrolled terms: Consumer engagement - Content analysis - Facebook - Interior designs - Internet research - Online marketing - Research approach - Social media

Classification code: 402 Buildings and Towers

Buildings and Towers

- 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

56. An investigation on innovation barriers in manufacturing firms

Accession number: 20201408377867

Authors: Rahman, A.B.M. Munibur (1); Qin, Yuanjian (2); Towhid, A.S.M. (3)

Author affiliation: (1) School of Management, Wuhan University of Technology, School of Business, Wuchang University of Technology, China; (2) School of Management, Wuhan University of Technology, Wuhan, Hubei, China; (3) School of Management, Wuhan University of Technology, China

Corresponding author: Rahman, A.B.M. Munibur(abmmrahman@whut.edu.cn)

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: This study conducts to find out the key barriers of innovation in the manufacturing firms and evaluates the impact of the lack of environmental resources, organizational structure, government support and stability in firm innovation. Data was utilized through the enterprise survey data developed by World Bank (WBES'2013) of manufacturing companies in Bangladesh using the Marginal and Ordinary least squares (OLS) regression models. Results indicated that institutional aspects, land and finance support, energy and political factors are the main barriers to the propensity of a firm to innovate. The implication is that firms are likely to improve their innovation performance

as they increasingly reconfigure their obstacles with regard to strategy development and technological investments. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 14

Main heading: Electronics industry

Controlled terms: Artificial intelligence - Electronic commerce - Investments - Manufacture - Regression analysis - Surveys

Uncontrolled terms: Barriers - Environmental resources - Innovation performance - Institutional aspects - Manufacturing companies - Manufacturing firms - Ordinary least squares - Organizational structures

Classification code: 537.1 Heat Treatment Processes

Heat Treatment Processes

- 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 912 Industrial Engineering and Management

Industrial Engineering and Management

- 922.2 Mathematical Statistics

Mathematical Statistics

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

57. Longitudinal analysis of economic clusters: A novel methodology and application of UK regions

Accession number: 20201408377781

Authors: Olatunji, Iyiola E. (1); See-To, Eric W.K. (2); Papagiannidis, Savvas (3)

Author affiliation: (1) Chinese University of Hong Kong, Hong Kong; (2) Faculty of Business, Lingnan University, Hong Kong; (3) Business School, Newcastle University, Newcastle upon Tyne, United Kingdom

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: Standard Industrial Classification (SIC) classify organizations based on their business activities. However, choosing appropriate SIC code that represents an organization's business activities in a challenging task. In the UK, there are almost 100 categories each having several subcategories of predefined business activities designed by experts. However, such scheme cannot cater for emerging business needs while some organizations cannot be easily defined by a single SIC code, due to the complexity of their business nature. Similarly, if a company expands or changes its operation during the year, a new SIC code needs to be assigned. This results in organizations having difficulties picking representative SIC code to use in defining their business activities. In this paper, we propose a dynamic framework that can automatically group organizations based on their business activities. Our framework leverages techniques from topic modelling. Result shows that our proposed framework can automatically adapt to changing business needs and cluster organizations effectively. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 13

Main heading: Electronics industry

Controlled terms: Advanced Analytics - Artificial intelligence - Big data - Binary alloys - Codes (symbols) - Data Analytics - Electronic commerce

Uncontrolled terms: Business activities - Business needs - Cluster organizations - Dynamic framework - Industrial classifications - Longitudinal analysis - Novel methodology

Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications

Funding Details:

Funding text: This work is supported by the Office of National Statistics, UK.

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

58. Research and prediction on the sharing of wechat official accounts' articles

Accession number: 20201408377848

Authors: Yang, Bo (1); Tang, Junlin (1); Ma, Xi (1); Chang, Yawen (1); She, Huayang (1)

Author affiliation: (1) Renmin University of China, Beijing, China

Corresponding author: Yang, Bo(yangbo_ruc@126.com)

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Conference code: 158514

Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: With the development of mobile Internet, We Media was born. WeChat Official Account Platform is the largest we media platform in China. In WeChat social network, information can only be rapidly spread through the sharing operation of users. This paper takes WeChat official accounts as the object and uses logistic regression model to explore the influencing factors on sharing. After that, a prediction model is constructed based on logistic regression and support vector machine. The significance of this study is to propose the factors that influence WeChat official accounts' articles sharing, and to construct a sharing prediction model. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 18

Main heading: Predictive analytics

Controlled terms: Electronic commerce - Electronics industry - Forecasting - Logistic regression - Support vector machines - Support vector regression

Uncontrolled terms: Logistic Regression modeling - Media platforms - Mobile Internet - Prediction model - Sharing Behavior - WeChat Official Account

Classification code: 723 Computer Software, Data Handling and Applications
Computer Software, Data Handling and Applications

- 723.5 Computer Applications

Computer Applications

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) and NSFC (No.91546125) is acknowledged.

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Database: Compendex

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Data Provider: Engineering Village

59. Research on the innovative application of digital supply chain finance in private science and technology enterprises in China

Accession number: 20201408377854

Authors: Dou, Yaqin (1); Zheng, Mingxuan (2); Gao, Xin (3)

Author affiliation: (1) Nanjing Institute of Technology, Nanjing, China; (2) Northeast Forestry University, Harbin, China; (3) Shanghai Normal University, Shanghai, China

Corresponding author: Dou, Yaqin(douyq@njit.edu.cn)

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Publisher: International Consortium for Electronic Business

Abstract: Based on the comprehensive impact of digital technologies on supply chain finance in different application scenarios, we analyze operation procedures optimization and critical control points of four innovation modes about digital supply chain finance in private science and technology enterprises, which are digital supply chain finance model based on prepayment, digital supply chain finance model based on inventory pledge, digital supply chain finance model of based on accounts receivable and digital supply chain finance model of based on intellectual property pledge in this paper. At present, there are some problems in digital supply chain finance, such as weak risk control, inadequate technology application and imperfect legal system. In order to promote the efficient implementation of digital supply chain finance to private science and technology enterprises, the leading institutions of supply chain finance should attach importance to the governance strategies such as controlling the source of risk to avoid risk, accelerating the ecological innovation of digital technology enabling, and improving the legal system to regulate development. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 11

Main heading: Supply chains

Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry - Finance - Laws and legislation

Uncontrolled terms: Critical control points - Digital technologies - Ecological innovations - Efficient implementation - Private science - Science and Technology - Supply chain finances - Technology application

Classification code: 723.4 Artificial Intelligence
Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 912 Industrial Engineering and Management

Industrial Engineering and Management

- 913 Production Planning and Control; Manufacturing

Production Planning and Control; Manufacturing

- 971 Social Sciences

Social Sciences

Funding Details: Number: 19SCB-015,2017SJB0402, Acronym: NJIT, Sponsor: Nanjing Institute of Technology;

Funding text: This work is financially supported by grant JCYJ201622 of basic research project of Nanjing Institute of Technology: Research on optimization and decision making of online supply chain finance research in the "Internet +" era, China; 2017SJB0402 of general project of innovation fund of Nanjing Institute of Technology: Research on upgrading of public technology service platform for SMEs in Jiangsu province under the background of "Internet +",

China; 19SCB-015 of finance development special fund project of applied research fine engineering of social sciences of Jiangsu province: Research on the realization path of "going out" of private enterprises in Jiangsu province with digital supply chain finance precision service under the strategy of "one belt and one way".

Compendex references: YES

Database: Compendex

Compilation and indexing terms, Copyright 2021 Elsevier Inc.

Data Provider: Engineering Village

60. Empirical insights into the benefit from implementing smart contracts

Accession number: 20201408377838

Authors: Schmidt, Rainer (1); Möhring, Michael (1); Keller, Barbara (1); Fuchs, Fabian (1); Kochsiek, Andreas (1); Völkel, Florian (1)

Author affiliation: (1) Munich University of Applied Sciences, Munich, Germany

Corresponding author: Schmidt, Rainer(rainer.schmidt@hm.edu)

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: Smart contracts are highly relevant due to their support for new decentralized business models and processes. We empirically investigate the benefit of implementing smart contracts. Our approach measures the benefit by capturing the impact of implementing smart contracts on processes directly. Thus, our research supersedes previous research that uses deductive approaches for deriving beneficial effects from technical and architectural properties of smart contracts and blockchains. We conduct a systematic approach using the aspects cost, quality, time and flexibility, and their impact on the four process phases interest, agreement, fulfillment, and assessment. Our research enables decision-makers to make decisions on implementing smart contracts more precisely. Furthermore, decision-makers become able to develop more target-oriented initiatives. Keywords: Smart contracts, benefits, empirical investigation © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 79

Main heading: Electronics industry

Controlled terms: Artificial intelligence - Decision making - Electronic commerce

Uncontrolled terms: Architectural properties - Beneficial effects - Decentralized business - Decision makers - Empirical investigation - Target oriented

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 912.2 Management

Management

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

61. Effects of gamification elements on crowdsourcing participation: The mediating role of justice perceptions

Accession number: 20201408377837

Authors: Weng, Jiaxiong (1); Xie, Huimin (1); Feng, Yuanyue (1); Wang, Ruoqing (1); Ye, Yi (1); Huang, Peiyong (1); Zheng, Xizhi (1)

Author affiliation: (1) Shenzhen University, China

Corresponding author: Xie, Huimin(huiminxie0115@163.com)

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Abstract: Justice perceptions have been regarded as an important influencing factor for solvers' (i.e., users who solve tasks on the crowdsourcing platforms) continued participation in crowdsourcing. However, researchers and practitioners still lack of sufficient understanding on the design of crowdsourcing platform that can effectively foster solvers' justice perceptions. By synthesizing theory of organizational justice and the literature on gamification, we examine the effects of solvers' gamification element perceptions on their crowdsourcing participation through justice perceptions. Specifically, we propose a research model to explain the effects of three gamification element perceptions (i.e., point, feedback, social network) on solvers' distributive, interactional, and informational justice perceptions which, in turn, foster their crowdsourcing participation. By collecting survey data from 295 solvers and analyzing the data with the partial least squares-structural equation modeling (PLS-SEM) approach, our study finds that point fosters crowdsourcing participation through distributive and interactional justice. Feedback enhances participation through distributive, interactional and informational justice. While social network strengthens participation via interactional and informational justice. Our study offers significant theoretical contributions and practical implications for the gamified crowdsourcing and organizational justice literatures. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 30

Main heading: Crowdsourcing

Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry - Gamification - Least squares approximations

Uncontrolled terms: Continued participations - Crowdsourcing platforms - Distributive justice - Informational Justice - Interactional Justice - Organizational Justice Theory - Partial least square (PLS) - Structural equation modeling

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 921.6 Numerical Methods

Numerical Methods

Funding Details: Number: 2017WQNCX142, Acronym: NSFC, Sponsor: National Natural Science Foundation of China;

Funding text: This work is partially supported by grant 71702111 of the National Natural Science Foundation of China, and grant 2017WQNCX142 of the Young Innovative Talents Projects (Humanities & Social Sciences) from the Education Bureau of Guangdong Province.

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

62. Evaluating IT alignment and performance in SMEs using multivariate regression analysis

Accession number: 20201408377839

Authors: Kamariotou, Maria (1); Kitsios, Fotis (1)

Author affiliation: (1) University of Macedonia, Thessaloniki, Greece

Corresponding author: Kamariotou, Maria(mkamariotou@uom.edu.gr)

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: New competitive challenges have forced Small-Medium Enterprises (SMEs) to re-examine their internal environment in order to improve competitive advantage. IT investments can improve firm performance in a way that it would be in "alignment" with business strategy. The purpose of this paper is to analyze the contemporary impact of IT and business strategy on business performance, incorporating all these constructs into a model that is tested using Multivariate Regression Analysis. Data were collected from IS executives in 160 Greek SMEs. The results of this survey show that Strategy conception and formulation have a significant impact on business performance. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 54

Main heading: Electronics industry

Controlled terms: Alignment - Artificial intelligence - Competition - Electronic commerce - Investments - Multivariant analysis - Regression analysis - Strategic planning

Uncontrolled terms: Business strategy - IT strategies - Performance - SMEs - Strategic information systems planning

Classification code: 601.1 Mechanical Devices

Mechanical Devices

- 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 911.2 Industrial Economics

Industrial Economics

- 912.2 Management

Management

- 922 Statistical Methods

Statistical Methods

- 922.2 Mathematical Statistics

Mathematical Statistics

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

63. Sentiment analysis of tourism reviews: An exploratory study based on CNNs built on LSTM model

Accession number: 20201408377774

Authors: Gao, Jinfeng (1); Yao, Ruxian (1); Lai, Han (1); Wu, Haitao (1)

Author affiliation: (1) Huanghuai University, Henan, China
Corresponding author: Lai, Han(han.lai@hotmail.com)
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Conference date: December 8, 2019 - December 12, 2019
Conference location: Newcastle upon Tyne, United kingdom
Conference code: 158514
Sponsor: Newcastle Business School; SME
Publisher: International Consortium for Electronic Business
Abstract: This study is to develop a sentiment analysis system for customers' review on a scenic site. It is based on Convolutional Neural Networks (CNNs) built on Long Short-Term Memory (LSTM) models for text feature extraction under a deep learning framework. The CNNs built on LSTM models applies convolutional filters of CNNs repeatedly operate on the output matrix of LSTM to obtain robust text feature vector. In this study, the optimal parameter configurations for each component of CNNs and LSTM are given individually in the first place. Then, the entire optimal parameter configuration for the integration recognition frame of the system is identified around the optimum of each component. The results demonstrate that, by employing such a method, the accuracy for sentiment analysis with CNNs built on LSTM model, compared with a single CNNs or LSTM model, is improved by 3.13% and 1.71% respectively. © 2019 International Consortium for Electronic Business. All rights reserved.
Number of references: 6
Main heading: Long short-term memory
Controlled terms: Classification (of information) - Convolution - Convolutional neural networks - Deep learning - Electronic commerce - Electronics industry - Sentiment analysis
Uncontrolled terms: CNNs - Exploratory studies - Learning frameworks - LSTM - Optimal parameter - Output matrix - Text feature
Classification code: 716.1 Information Theory and Signal Processing
Information Theory and Signal Processing
- 723.5 Computer Applications
Computer Applications
Numerical data indexing: Percentage 1.71e+00%, Percentage 3.13e+00%
Funding Details: Number: 1623004100195, Acronym: -, Sponsor: Natural Science Foundation of Henan Province;
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64. Research review on artificial intelligence technology to provide design of man-machine interaction in industry and product design

Accession number: 20201408377855
Authors: Xu, Lijun (1); Qin, Shengfeng (2); Wang, Peng (1); Gao, Jun (3)
Author affiliation: (1) Institute of Art and Design, Nanjing Institute of Technology, Nanjing, China; (2) Northumbria University, United Kingdom; (3) Siemens Ltd., China Jiangsu Branch Co., Ltd., Nanjing, China
Corresponding author: Xu, Lijun(xulijun@njit.edu.cn)
Source title: Proceedings of the International Conference on Electronic Business (ICEB)
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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: This paper discusses the "human-computer interaction medium", "interactive object", "application of artificial intelligence" and "human-computer relationship" in the era of artificial intelligence in the recent years. It's focused on "human-computer interaction of artificial intelligence", based on the in-depth research and insight into advanced technologies, products and designs in the field of artificial intelligence over the past year and combined with the experience of industry and academia. The development trend has formed the design insight in this field, and summarized eight trends of artificial intelligence human-computer interaction. The application of artificial intelligence human-computer interaction design in universities and enterprises related to specific projects of industrial design provides important theoretical support and practical verification for the teaching and scientific research work of industrial design specialty and the further development and growth of industrial design industry in universities and colleges of our country. The application of artificial intelligence technology in universities and enterprises is also demonstrated. © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 20

Main heading: Artificial intelligence

Controlled terms: Computers - Electronic commerce - Electronics industry - Human computer interaction - Industrial research - Product design

Uncontrolled terms: Advanced technology - Artificial intelligence technologies - Development trends - Human computer interaction design - Interactive design - Interactive objects - Scientific researches - Universities and colleges

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 901.3 Engineering Research

Engineering Research

- 913.1 Production Engineering

Production Engineering

Funding Details:

Funding text: This work is partially supported by grant 2019SJZDA118 and 2018SJZDA015 of the Major project of philosophy and social science research in colleges and universities of Jiangsu province, China. And it is also partially supported by the 2020 "Challenge Cup" competition support cultivation project "Research on the Application of Product interaction Design based on artificial Intelligence in Intelligent City" of Nanjing Institute of Technology, China.

Compendex references: YES

Database: Compendex

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Data Provider: Engineering Village

65. Research on the realization path of intelligent logistics in the "new retail" era

Accession number: 20201408377847

Authors: Zheng, Mingxuan (1); Xu, Lijun (2); Dou, Yaqin (2)

Author affiliation: (1) Northeast Forestry University, Harbin, China; (2) Nanjing Institute of Technology, Nanjing, China

Corresponding author: Xu, Lijun(xulijun@njit.edu.cn)

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Sponsor: Newcastle Business School; SME

Publisher: International Consortium for Electronic Business

Abstract: "New retail" is the product of innovation and transformation of e-commerce, physical retail and modern logistics. "New retail" relies on omni-channel logistics based on supply chain integration, order-driven precise logistics service and high intensity urban distribution carrying capacity, which has brought huge impacts and development opportunities to the logistics industry. At present, there are limitations in China's intelligent logistics, both in terms of logistics infrastructure construction, logistics information services, and regulatory guarantee systems, which restrict the development of "new retail". In order to realize the high-quality support of "new retail" by intelligent logistics, a trinity of intelligent logistics construction path of "government guidance, market leadership, and social co-governance" is proposed. We should accelerate the construction of intelligent logistics infrastructure under the guidance of the government, give full play to the leading role of the market to build an intelligent logistics information platform, and build a multi-security logistics security system through joint governance of all sectors of society to meet the overall objective of the high-quality support of logistics for "new retail". © 2019 International Consortium for Electronic Business. All rights reserved.

Number of references: 18

Main heading: Sales

Controlled terms: Artificial intelligence - Electronic commerce - Electronics industry - Information services - Service industry - Supply chains

Uncontrolled terms: Government guidances - Logistics industry - Logistics information - Logistics infrastructure - Logistics services - New retail - Supply-chain integration - Urban distribution

Classification code: 723.4 Artificial Intelligence

Artificial Intelligence

- 723.5 Computer Applications

Computer Applications

- 903.4 Information Services

Information Services

- 912 Industrial Engineering and Management

Industrial Engineering and Management

- 913 Production Planning and Control; Manufacturing

Production Planning and Control; Manufacturing

Funding Details: Number: 19SCB-015, Acronym: NJIT, Sponsor: Nanjing Institute of Technology; Number: JCYJ201622,ZKJ201512, Acronym: -, Sponsor: -;

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Compendex references: YES

Database: Compendex

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