Record Nr. UNINA9910847079303321

Autore Papadaki Maria

Titolo Information Systems: 20th European, Mediterranean, and Middle

> Eastern Conference, EMCIS 2023, Dubai, United Arab Emirates, December 11-12, 2023, Proceedings, Part II / / edited by Maria

Papadaki, Marinos Themistocleous, Khalid Al Marri, Marwan Al Zarouni

Cham: .: Springer Nature Switzerland: .: Imprint: Springer, . 2024 Pubbl/distr/stampa

ISBN 3-031-56481-2

Edizione [1st ed. 2024.]

Descrizione fisica 1 online resource (347 pages)

Lecture Notes in Business Information Processing, , 1865-1356 ; ; 502 Collana

Altri autori (Persone) **ThemistocleousMarinos**

> Al MarriKhalid Al ZarouniMarwan

005.3 Disciplina

Soggetti Application software

Business information services

Computer security

Electronic data processing - Management

Big data Social media

Computer and Information Systems Applications

IT in Business

Principles and Models of Security

IT Operations Big Data Social Media

Lingua di pubblicazione Inglese

Formato Materiale a stampa

Livello bibliografico Monografia

Nota di contenuto Intro -- Preface -- Organization -- Contents - Part II -- Contents -

> Part I -- Big Data and Analytics -- Data Analytics and Data Science: Unlocking the Open Data Potential of Smart Cities -- 1 Introduction --2 Theoretical Assumptions -- 2.1 Open Data Background -- 2.2 Smart Cities Background -- 3 Methodology -- 4 Results -- 4.1 Related

and Rising Concepts -- 4.2 Gaps and Challenges of Smart Cities Open

Data Approach to Data Analytics -- 5 Conclusion, Limitations,

and Future Research -- References -- Data Mesh Adoption: A Multicase and Multi-method Readiness Approach -- 1 Introduction -- 2 Related Work -- 3 Methodological Approach -- 3.1 The TOE Framework -- 3.2 The Research Design: A Multi-case Study -- 4 Step 1: Data Mesh Survey -- 5 Step 2: Deep Dive Interviews for Data Mesh Adoption -- 6 Conclusions -- References -- Distributed Representational Analysis in Support of Multi-perspective Decision-Making -- 1 Introduction -- 2 Related Work -- 3 Theoretical Perspective -- 4 Method -- 4.1 Single Case Study -- 4.2 Data Collection -- 4.3 Data Analysis -- 5 Findings --5.1 User -- 5.2 Distributed Functional Analysis -- 5.3 Distributed Decision Task -- 5.4 Distributed Representational Analysis -- 6 Conclusion -- References -- Digital Services and Social Media --Mobile Application Diffusion: An Exploration of Trust and Privacy Amongst Rural Enterprises in South Africa -- 1 Introduction -- 2 Literature Review -- 2.1 Trust Concerns Among Rural Enterprises --2.2 Privacy Concerns Among Rural Enterprises -- 3 Methodology -- 3.1 Selection -- 3.2 Specification -- 3.3 Summarizing -- 4 Findings -- 4.1 Implications for Rural Entrepreneurs -- 4.2 Implications for Theory -- 5 Conclusion -- References -- How Can Favorite Digital Services Enhance Users' Digital Well-Being? A Qualitative Study -- 1 Introduction -- 2 Digital Services and Digital Well-Being. 3 Methodology -- 4 Findings -- 4.1 Psychological Level -- 4.2 Social Level -- 4.3 Cognitive Level -- 5 Discussion and Conclusions --Appendix. Participants' Background Information -- References --Utilizing Degree Centrality Measures for Product Advertisement in Social Networks -- 1 Introduction -- 2 Related Work -- 3 Centrality Measures in Social Networks -- 3.1 Graph Representation -- 3.2 Degree -- 3.3 Centrality -- 3.4 Degree Centrality -- 3.5 Closeness Centrality -- 3.6 Betweenness Centrality -- 4 Proposed Method -- 4.1 Utilizing Degree Centrality in Social Networks for Product Advertisement: A Practical Approach -- 4.2 Assumption -- 4.3 Logistic Regression -- 5 Results -- 6 Conclusions and Future Work --References -- Innovative Research Projects -- Business Models for Mobility Data Sharing Platforms: Stakeholders' Perceptions -- 1 Introduction -- 2 Theoretical Background -- 2.1 Mobility Data Sharing -- 2.2 Business Models -- 3 Methodology -- 3.1 Data Collection -- 3.2 Data Analysis -- 4 Findings and Discussion -- 4.1 Evaluation Criteria -- 4.2 Ranking of Business Models -- 5 Conclusion -- References --Innovation Process Integration Challenges and Their Influence on Project Management Performance in Oil and Gas Field- A Conceptual Framework Development -- 1 Introduction -- 2 Theoretical Background -- 2.1 Literature Review Background -- 2.2 Innovation Concept and Process -- 2.3 Innovation Theories and Models -- 2.4 Individual Behavior Acceptance -- 3 Research Framing -- 3.1 Theoretical Framework -- 3.2 Conceptual Framework -- 4 Discussion -- 5 Conclusion -- References -- The Role of Adaptive and Transformational Leadership in the Successful Adoption and Implementation of New Technologies and Innovations in Organizations -- 1 Introduction -- 1.1 Aim of the Research -- 1.2 Research Questions -- 2 Literature Review and Related Theories. 2.1 Transformational Leadership -- 2.2 Adaptive Leadership -- 2.3 The Unified Theory of Acceptance and Use of Technology (UTAUT) -- 3 Conceptual Model -- 4 Methodology -- 4.1 Limitations and Recommendation for Further Research -- 5 Discussion -- 6 Conclusion -- References -- Managing Information Systems --Information and Communication Technology Enabled Collaboration: Understanding the Critical Role of Computer Collective-Efficacy -- 1 Introduction -- 2 Theory -- 2.1 Social Cognitive Theory -- 2.2 Self-

efficacy -- 3 Collective Efficacy -- 3.1 Collective Efficacy Assessment -- 4 Computer Collective-Efficacy -- 4.1 Computer Collective-Efficacy - Nomological Network -- 4.2 Measuring Computer Collective-Efficacy -- 5 General Discussion -- 6 Theoretical and Practical Implications -- 6.1 Theoretical Implications -- 6.2 Practical Implications -- 7 Conclusion -- Appendix -- References --Communication is Key: A Systematic Literature Review of Transformation Competencies -- 1 Introduction -- 2 Theoretical Background -- 2.1 Organizational Transformation -- 2.2 The Concept of Competency -- 3 Research Design -- 3.1 Systematic Literature Review -- 3.2 Identification of Transformation Competencies -- 4 Findings -- 4.1 Sample Characteristics -- 4.2 Transformation Competencies -- 5 Discussion -- 5.1 Relevance of the Topic -- 5.2 Research Focus of the Studies -- 5.3 Competency Data Sources -- 5.4 Understanding of Competencies -- 5.5 Understanding of Transformation -- 5.6 Identified Transformation Competencies -- 6 Conclusion, Limitations, and Research Agenda -- References --Evaluating the Success of Digital Transformation Strategy in Greek SMEs -- 1 Introduction -- 2 Theoretical Background -- 2.1 IS Strategizing and Organizational Issues -- 2.2 The Role of Practice in IS Strategizing -- 2.3 IS Strategizing and Success -- 3 Methodology -- 4 Results -- 5 Discussion. 6 Conclusions -- References -- Managing IS Adoption Challenges in Emerging Technologies: A Longitudinal Case Study of Financial Management Services Automation in a Medium-Sized Enterprise -- 1 Introduction -- 2 Adopting Robotic Process Automation in Organizations -- 3 Technology Adoption and Resistance to Change -- 4 Data Gathering and Analysis -- 5 Findings -- 5.1 Fear Fades Over Time, and Resistance Becomes More of a Principle -- 5.2 Success Stories Support Positive Attitude Towards Automation -- 5.3 Adopting Several Automation Technologies Supports Overall Rate of Automation but Lowers Adoption Rate of RPA -- 5.4 Dithering with Implementations Caused by Lack of Feasible Business Cases -- 5.5 Main Challenges Culminate in a Lack of Resources -- 6 Conclusion, Recommendations, and Limitations -- Appendix A DCP2 Interviews --Appendix B Restraints, Challenges and Accelerators of Adoption: Summary of Harmonized Open Coding Within Key-Themes in DCP2 --References -- Factors Amplifying or Inhibiting Cyber Threat Intelligence Sharing -- 1 Introduction -- 2 Related Work -- 2.1 Overview of Cyber Threat Intelligence Sharing -- 2.2 Cyber Security Frameworks -- 2.3 Cyber Threat Intelligence Sharing Platforms -- 3 Methodology -- 3.1 Research Site -- 3.2 Data Collection -- 3.3 Data Analysis -- 4 Findings -- 4.1 Factors for Enthusiastic Cyber Threat Intelligence Sharing -- 4.2 Factors for Circumstantial Cyber Threat Intelligence Sharing -- 4.3 Factors Preventing Cyber Threat Intelligence Sharing -- 5 Discussion --6 Conclusion -- References -- Empirical Investigation of Practitioners' Perceptions of Agile Testing Coordination in Medical Information Systems Development -- 1 Introduction -- 2 Related Work -- 2.1 Overview of Agile Practice -- 2.2 Software Testing in Medical Information Systems Development -- 3 Method -- 3.1 Research Sites -- 3.2 Data Collection. 3.3 Data Analysis -- 4 Findings -- 4.1 Tailoring Agile Testing in Medical Information Systems Development -- 4.2 Unit Testing in Medical Information Systems Development -- 4.3 Integration Testing in Medical Information Systems Development -- 4.4 Coordination Among Testing Practitioners -- 5 Discussion -- 5.1 Practitioners'

Perceptions of Agile Testing Practice in Medical Software Development (RQ1) -- 5.2 Coordination Among Practitioners to Enhance Quality

Testing in Agile Software Processes (RQ2) -- 6 Conclusion --References -- Assessing Main Factors Adopted within the EU Harmonised Online Public Engagement (EU HOPE) -- 1 Introduction --2 Methodology -- 3 Europe Closer to Citizens -- 3.1 Bottom-Up Approach (Intersubjective Management) -- 4 The Necessity of Harmonised Online Public Engagement (EU HOPE) -- 4.1 Digital Innovation Factors Within the EU HOPE -- 4.2 Digital Participatory Platforms (DPP) -- 4.3 Intersubjective Agreements of Actors -- 5 Single Digital Gateway, A Harmonised Cross-Border Solution -- 6 Cross-Borders Pilot Studies -- 6.1 Cross-Border Data Flow in The Digital Single Market: Study on Data Location Restrictions -- 6.2 European Experience of Citizens' Participation in Cross-Border Governance -- 6.3 Cross-Border Cooperation (CBC) in Southern Europe-A Case Study. The Eurocity Elvas-Badajoz -- 6.4 Engaging Citizens in Cohesion Policy, DG REGIO and OECD Pilot Project Final Report -- 6.5 Flanders - The Netherlands Citizens' Panel on Addressing Cross-Border Issues and Stimulating Cross- Border Contacts -- 6.6 The 23 Citizen-Based Topics for Future EU Research - Project Names: Fostering Equal Opportunities in the Digital Era -- 7 Discussion -- 8 Conclusion --References -- How Can Innovation Systems be Sustainable? An Approach for Organizations in Times of Crises, Alongside Economic and Information Technology Issues -- 1 Introduction. 2 Research Method.

Sommario/riassunto

This book constitutes selected papers from the 20th European. Mediterranean, and Middle Eastern Conference, EMCIS 2023, which was held in Dubai, UAE, during December 11-12, 2023. EMCIS covers technical, organizational, business, and social issues in the application of information technology and is dedicated to the definition and establishment of Information Systems (IS) as a discipline of high impact for IS professionals and practitioners. It focuses on approaches that facilitate the identification of innovative research of significant relevance to the IS discipline following sound research methodologies that lead to results of measurable impact. The 43 papers presented in this volume were carefully reviewed and selected from a total of 126 submissions. They were organized in topical sections as follows: Part I: Metaverse; blockchain technology and applications; digital governance; healthcare information systems; artificial intelligence; Part II: Big data and analytics; digital services and social media; innovative research projects; managing information systems; smart cities. .