

Conference Program

IMPORTANT NOTE

The conference will be held in Eastern European Time Zone (e.g. Athens, Cairo, Nicosia) which is GMT+2. The program begins at 10:00 AM GMT+2 time which is 09:00AM Central European Time (e.g. Italy, France, Germany, Poland, Sweden, Norway, Tunisia etc), 08:00AM UK and Portugal time and 12:00PM UAE time.

Wednesday, 25 Nov

10:00-10:10	Welcome Chair: Abdullah AlShamsi and Marinos Themistocleous Room: Common Virtual Room
10:10-10:50	Keynote Speech: Blockchain in Land Registry: The case of Dubai Keynote Speaker: Khalifa Alsuwaidi Room: Common Virtual Room
10:50-11:00	Break session
11:00-13:00	Big Data and Analytics Chair: Lasse Berntzen Room: Virtual Room 1
11:00	An Inspection and Logging System for Complex Event Processing in Bosch's Industry 4.0 Movement <i>Carina Andrade, Maria Cardoso, Carlos Costa, Maribel Yasmina Santos</i>
11:20	Towards Designing Conceptual Data Models for Big Data Warehouses: The Genomics Case <i>João Galvão, André Leite, Ana León Palacio, Carlos Costa, Maribel Yasmina Santos, Óscar Pastor López</i>
11:40	Automating Data Integration in Adaptive and Data-intensive Information Systems <i>João Galvão, Ana León Palacio, Carlos Costa, Maribel Yasmina Santos, Óscar Pastor López</i>
12:00	DECIDE: A New Decisional Big Data Methodology for a Better Data Governance <i>Mohamed Mehdi Ben Aissa, Lilia Sfaxi, Riadh Robbana</i>
12:20	Raising the Interoperability of Cultural Datasets: The Romanian Cultural Heritage Case Study <i>Ilie Cristian Dorobăț, Vlad Posea</i>
12:40	Towards the Machine Learning Algorithms in Telecommunications Business Environment <i>Moisés Loma Osorio de Andrés, Aneta Poniszewska-Maranda, Luis Alfonso Hernández Gómez</i>
11:00-13:00	Blockchain Technology and Applications Chair: Paulo Rupino da Cunha and Klitos Christodoulou Room: Virtual Room 2
11:00	An Exploratory Study of the Adoption of Blockchain Technology Among Australian Organizations: A Theoretical Model <i>Saleem MALIK</i>

- 11:20 Blockchain for Smart Cities: A Systematic Literature Review
Ifigenia Georgiou, Juan Geoffrey Nell, Angelika Kokkinaki
- 11:40 Blockchain in Smart Energy Grids: A Market Analysis
Evgenia Kapassa, Marinos Themistocleous, Marios Touloupou, Jorge Rueda Quintanilla, Maria Papadaki
- 12:00 Leadership Uniformity in Raft Consensus Algorithm
Elias Iosif, Klitos Christodoulou, Marios Touloupou, Antonios Inglezakis
- 12:20 LOKI Vote: A Blockchain-based Coercion Resistant E-voting Protocol
Chaieb Marwa, Yousfi Souheib
- 12:40 Positive and Negative Searches Related to the Bitcoin Ecosystem: Relationship with Bitcoin Price
Ifigenia Georgiou, Athanasia Georgiadi, Svetlana Sapuric
- 13:00-13:15 Break session**
- 13:15-14:15 Management and Organizational Issues in Information Systems Chair: Maria Papadaki**
Room: [Virtual Room 1](#)
- 13:15 A Chief Information Officer (CIO) Framework for Managing the Fourth Industrial Revolution (4IR): An Exploratory Research Synthesis
Joseph George, Grant Royd Howard
- 13:35 Evaluating the impacts of IoT implementation on inter-organisational value co-creation in the Chinese construction industry
Zhen Sun, Sulafa Badi
- 13:55 IS Project Management success in developing countries
João Varajão, Antonio Trigo, Isabel Moura, José Luís Pereira
- 13:15-14:15 Blockchain Technology and Applications**
Chair: Paulo Rupino da Cunha and Klitos Christodoulou
Room: [Virtual Room 2](#)
- 13:15 Blockchain in digital government: Research needs identification
Demetrios Sarantis, Charalampos Alexopoulos, Yannis Charalabidis, Zoi Lachana, Michalis Avgerinos Loutsaris
- 13:35 Blockchain Technology for Hospitality Industry
Piyush Maheshwari, Abhirup Khanna, Anushree Sah, Tanupriya Choudhury
- 13:55 HapiFabric: A Teleconsultation Framework based on Hyperledger Fabric
Hossain Kordestani, Kamel Barkaoui, Wagdy Zahran
- 14:15-15:00 Lunch Break**

- 15:00-17:00** **Management and Organizational Issues in Information Systems**
Chair: Muhammad Mustafa Kamal
Room: [Virtual Room1](#)
- 15:00 Towards Applying Deep Learning to the Internet of Things: A Model and A Framework
Samaa Elnagar, Kweku-Muata Osei-Bryson
- 15:20 A Change and Constancy Management Approach for Managing the Unintended Negative
Consequences of Organizational and IT Change
Grant Royd Howard
- 15:40 The Effects of Outsourcing on Performance Management in SMEs
Eisa Hareb Alneyadi, Khalid Almarri
- 16:00 Assessing the Success of the University Information System: A User Multi-Group Perspective
Mariusz Grabowski, Jan Madej, Adam Sagan
- 16:20 An Iterative Information System Design Process Towards
Sustainability Tobias Nyström, *Moyen Mustaquim*

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Thursday, 26 Nov

- 10:00-11:00** **Management and Organizational Issues in Information Systems**
Chair: Slim Kallel
Room: [Virtual Room 1](#)
- 10:00 Enhancing Decision-Making in New Product Development: Forecasting technologies revenues using a Multidimensional Neural Network
Marie Saade, Maroun Jneid, Imad Saleh
- 10:20 The Attitude of Consumer Towards a Brand Source: Context of UAE
Omer Aftab, Khalid Almarri
- 10:40 Extensive Use of RFID in Shipping
Yiannis Kiouvrekis, Angelika Kokkinaki, Ioannis Filipopoulos, Yiannis Tsilikas, Panagiotis Efsthadiadis, Anna Karanika
- 10:00-12:00** **Digital Services and Social Media**
Chair: Irene Dondgio
Room: [Virtual Room 2](#)
- 10:00 When Persuasive Technology gets Dark?
Tobias Nyström, Agnis Stibe
- 10:20 Influence of website design on e-trust and positive WOM intentions in e-commerce fashion websites
Antonio Trigo, Pedro Espírito Santo
- 10:40 Social Media Impact on Academic Performance: Lesson Learned from Cameroon
Josue Kuika Watat, Gideon Mekonnen Jonathan, Frank Wilson Ntsafack Dongmo, Nour El Houda Zine El Abidine
- 11:00 Influential nodes prediction based on the structural and semantic aspects of social media
Nesrine Hafiene, Wafa Karoui, Lotfi Ben Romdhane
- 11:30 Determinants of the intention to use online P2P platforms from the seller's perspective
Adriana Pires, Nuno Fortes, Pedro Manuel do Espírito Santo
- 11:00-12:00** **IT Governance and Alignment**
Chair: Gianluigi Viscusi
Room: [Virtual Room 1](#)
- 11:00 The Influence of Cloud Computing on IT Governance in a Swedish Municipality
Parisa Aasi, Jovana Nikic, Melisa Li, Lazar Rusu

- 11:20 Strategic Alignment during Digital Transformation
Gideon Mekonnen Jonathan, Josue Kuika Watat
- 11:40 Cultural Barriers in Digital Transformation in a Public Organization: A Case Study of a Sri-Lankan Organization
Lazar Rusu, Prasanna Balasuriya, Ousman Bah
- 12:00-12:15 Break session**
- 12:15-13:15 Enterprise Systems**
Chair: Piotr Soja
Room: [Virtual Room1](#)
- 12:15 Evaluating the Utility of Human-Machine User Interfaces Using Balanced Score Cards
Saulo Silva, Orlando Belo
- 12:35 Evaluation of cloud business intelligence prior to adoption: The voice of small business enterprises in a South African township
Moses Moyo, Marianne Look
- 12:55 Enterprise Systems, ICT Capabilities and Business Analytics Adoption – An Empirical Investigation
Niki Kyriakou, Euripidis Loukis, Michail Marios Chatzianastasiadis
- 12:15-13:15 Digital Services and Social Media**
Chair: Irene Dondjio
Room: [Virtual Room 2](#)
- 12:15 e-Commerce Websites and the Phenomenon of Dropshipping: Evaluation Criteria and Model
Jacek Winiarski, Bartosz Marcinkowski
- 12:35 E-learning Improves Accounting Education: Case of the Higher Education Sector of Bahrain
Abdalmuttaleb Al-Sartawi
- 13:15-14:15 Healthcare Information Systems**
Chair: Andriana Prentza
Room: [Virtual Room1](#)
- 13:15 Hospital Information Systems: Measuring End-User Satisfaction
Fotis Kitsios, Maria Kamariotou, Vicky Manthou, Afroditi Batsara
- 13:35 Performance Evaluation of ANOVA And RFE Algorithms for Classifying Microarray Dataset Using SVM
Sulaiman Abdulsalam, Micheal Arowolo, Abubakar Mohammed, Jumoke Ajao, Ronke Babatunde, Roseline Ogundokun, Chiebuka Nnodim, Joseph Awotunde
- 13:55 Telemedicine in shipping made easy - Shipping eHealth solutions
Yiannis Kiouvrekis, Angelika Kokkinaki, Ioannis Filipopoulos, Eleni - Emmanouela Koumantaki, Chrysoula Liakou

- 13:15-14:15** **Innovative Research Projects**
Chair: Elias Iosif
Room: [Virtual Room 2](#)
- 13:15 A Creative Information System based on the SCAMPER Technique
Vitor Santos, Rute Lopes, Henrique Mamede, Pedro Malta
- 13:35 Artificial Intelligence for Air Safety
RAJESH Gandadharan PILLAI, Poonam Devrakhyan, Sathvik Shetty, Deepak Munji
- 13:55 Using Knowledge Graphs and Cognitive Approaches for Literature Review Analysis: A Framework
Samaa Elnagar, Kweku-Muata Osei-Bryson
- 14:15-15:00** **Lunch Break**
- 15:00-15:10** **Best Paper Awards**
Room: [Common Virtual Room](#)
- 15:10-17:00** **Digital Government**
Chair: Euvripidis Loukis, Yannis Charalabidis and Charalampos Alexopoulos
Room: [Virtual Room 1](#)
- 15:10 Knowledge Graphs for Public Service Description: The case of Getting a
 Passport in Greece Efthimios Tambouris, *Rafail Promikyridis*
- 15:30 Analyzing a Frugal Digital Transformation of a Widely Used Simple Public
 Service in Greece Sofia Loukadounou, Vasiliki Koutsona, *Euripidis Loukis*
- 15:50 Exploring Citizens' Perceptions of Mobile Tax Filing
 Services Tendani Mawela, *Tinyiko Hlomela*
- 16:10 Why are rankings of 'smart cities' lacking? An analysis of two decades of e-government
 benchmarking
Mariusz Luterek
- 15:10-17:00** **Information Systems Security and Information Privacy Protection**
Chair: Angeliki Tsochou, Hemin Jiang and Luning Liu
Room: [Virtual Room 2](#)
- 15:10 A Multiple Algorithm Approach to Textural Features Extraction in Offline Signature Recognition
Jide Adeniyi, Tinuke Oladele, Noah Akande, Roseline Ogundokun, Tunde Adeniyi
- 15:30 Game-based Information Security/Privacy Education and Awareness: Theory and Practice
Stylianios Karagiannis, Thanos Papaioannou, Emmanouil Magkos, Aggeliki Tsohou
- 15:50 Big data analytics in healthcare applications: privacy implications for individuals and groups
 and mitigation strategies
PAOLA MAVRIKI, Maria Karyda
- 16:10 A new text independent Speaker Recognition system with Short Utterances using SVM
RANIA CHAKROUN, Mondher frikha
- 16:30 Modified Least Significant Bit Technique for Securing Medical Images
Roseline Ogundokun, Oluwakemi Abikoye, Sanjay Misra, Joseph Awotunde