

Wednesday, 08 Dec

9:00 - 9:15 Welcome
Chair: Maria Papadaki
Room: [Virtual room 1](#)

9:15 - 10:00 Keynote speech: Blockchain application in UAE case. Keynote speaker:
Dr Marwan Alzarouni
Chair: Marinos Themistocleous
Room: [Virtual Room 1](#)

10:00 - 11:30 Blockchain Technology and Applications
Chair: Paulo Rupino da Cunha
Room: [Virtual Room 1](#)

10:00 Blockchain Application in Luxury Brand Strategy: What Does Blockchain Technology Mean to Luxury Brands?
Pei-Hsiu Shih, *Markus Bick*, Matthias Murawski

10:30 Blockchain Applications in Smart Grid - a Review and a Case Study
Qian Meng, *Lasse Berntzen*, Boban Vesin, Marius Rohde Johannessen, Simona Vasilica Opera, Adela Bâra

11:00 Computation of Blockchain Readiness Under Partial Information
Elias Iosif, Klitos Christodoulou, Andreas Vlachos

10:00 - 11:30 Digital Governance
Chair: Yannis Charalambides and Charalambos Alexopoulos
Room: [Virtual room 2](#)

10:00 Mobile Government Service Delivery Challenges in Municipalities
Siphelele Mtshengu, Tendani Mawela

10:30 Digital transformation strategy in the public sector: Evaluating e-government IS and user satisfaction
Konstantinos Ioannou, *Fotis Kitsios*, Maria Kamariotou

11:00 E-GovSTP: An E-Government model for a small island state, the case of Sao Tome and Principe
Daniel Neto Vaz, Bruno Sousa, Henrique Mamede

11:30 - 11:45 Break session

11:45 - 13:15 Blockchain Technology and Applications
Chair: Klitos Christodoulou
Room: [Virtual room 1](#)

11:45 EXPLORING ICOs PHENOMENON: Developing a Taxonomy of academic and not academic discourse
Guido Di Matteo, Stefano Za

12:15 Using a Hybrid Approach of Game Design, Blockchain Technology and Learning Analytics in Higher Education Institutions: A Case Study of the British University in Dubai
Khaled Al Shehhi, Khalid Almarri

12:45 Blockchain and waste management: A systematic literature review
Irene Dondjio, Marinos Themistocleous

11:45 - 13:15 **Digital Governance**
 Chair: Euripides Loukis
 Room: [Virtual room 2](#)

11:45 Smart Government and Smart Citizens as a Smart Cities Building Blocks. A Survey.
Patrycja Krauze-Maślankowska

12:15 Towards Smart Cities 4.0: Digital Participation in Smart Cities Solutions and the use of Disruptive Technologies
Charalampos Alexopoulos, Panagiotis Keramidis, Gabriela Viale Pereira, Yannis Charalabidis

13:15 - 13:30 **Break session**

13:30 - 15:00 **Blockchain Technology and Applications**
 Chair: Elias Iosif
 Room: [virtual room 1](#)

13:30 How decentralized is decentralized governance really? - A Network Analysis of ERC20 Platforms
Johannes Werner, Niclas Freudiger, Rüdiger Zarnekow

14:00 Exploring the Need for Blockchain-based National Population Census
Sana Rasheed, Soulla Louca

13:30 - 15:00 **Information Systems Security and Information Privacy Protection**
 Chair: Aggeliki Tsohou
 Room: [Virtual room 2](#)

13:30 Diversity of Students' Unethical Behaviors in Online Learning Amid COVID-19 Pandemic: An Exploratory Analysis
Pawel Smolinski, Jakub Kowalik, Jacek Winiarski

14:00 Investigating cyber security awareness among preservice teachers during COVID-19 pandemic
Moses Moyo, Osman Sadeck, Agness Chigona, Nyarai Tunjera

14:30 An Empirical Investigation of Agile Information Systems Development for Cybersecurity
Abdulhamid Ardo, Julian Bass, Tarek Gaber

15:00 - 15:15 **Break session**

15:15 - 16:45 **Innovative Research Projects**
 Chair: Godwin Francis
 Room: [Virtual room 1](#)

15:15 Increasing the security of smart cities of the future thanks to UWB technology
Krzysztof Hanzel, Damian Grzechca

15:45 Exploring the impacts of Artificial Intelligence (AI) implementation at individual and team levels: A case study in the UAE government sector
Aisha Al Ali, Sulafa Badi

16:15 Leveraging Blockchain for a living, trustable curriculum vitae
Paulo Rupino da Cunha, Catarina Ferreira Da Silva

15:15 - 16:45 **Information Systems Security and Information Privacy Protection**
 Chair: Vasiliki Diamantopoulou
 Room: [Virtual room 2](#)

15:15 Naïve Bayes Based Classifier for Credit Card Fraud Discovery
Roseline Ogundokun, Sanjay Misra, Oluwafunmilayo Fatigun, Jide Adeniyi

15:45 GDPR-compliant Data Processing: Practical Considerations
João Almeida, Paulo Rupino da Cunha, Alexandre Dias Pereira

16:45 - 17:00 **Break session**

17:00 - 18:30 **Cloud Computing**
Chair: Catarina Ferreira da Silva
Room: [Virtual room 1](#)

17:00 The Adoption of Cloud Computing in South Africa's Oil and Gas Industry
Shaheen Jamalodeen, *Jean-Paul Van Belle*

17:30 A Semantic driven Approach for Efficient Cloud Service Composition
Wafa Hidri, Riadh Hadj M'tir, Narjès Bellamine Ben Saoud

17:00 - 18:30 **Digital Services and Social Media**
Chair: Irene Dondjio
Room: [Virtual room 2](#)

17:00 Why do people not install Corona-Warn-App? Evidence from social media
Chuanwen Dong, Sanjana Bharambe, Markus Bick

17:30 "User Perception of Algorithmic Digital Marketing in Conditions of Scarcity"
Veronika Pavlidou, Jahna Otterbacher, Styliani Kleanthous

18:00 Introducing Sentient Requirements for Information Systems and Digital Technologies
Elena Kornysheva, Eric Gressier-Soudan

Thursday, 09 Dec

- 9:00 - 9:40 Keynote speech: Digital transformation and the construction industry
Keynote speaker: Miguel Monteiro
Chair: Maria Papadaki
Room: [Virtual room 1](#)
- 9:40 - 10:00 Best paper awards
Chair: Marinos Themistocleous
Room: [Virtual room 1](#)
- 10:00 - 11:30 Big Data and Analytics
Chair: Lasse Berntzen
Room: [Virtual room 1](#)
- 10:00 Designing Monitoring Systems for Complex Event Processing in Big Data Contexts
Carina Andrade, Maria Cardoso, Carlos Costa, Maribel Yasmina Santos
- 10:30 Evaluation of Machine Learning Methods for the Experimental Classification and Clustering of Higher Education Institutions
Jacek Maślankowski, Lukasz Brzezicki
- 11:00 Modeling User Engagement Profiles for Detection of Digital Subscription Propensity
Pawel Misiorek, Jakub Warmuz, Dominik Kaczmarek, Michał Ciesielczyk
- 10:00 - 11:30 Digital Services and Social Media
Chair: Irene Dondjio
Room: [Virtual room 2](#)
- 10:00 The Influence of Locus of Control in the Actualisation of Mobile Dating Applications Affordances to Mitigate Privacy and Security Concerns
Maureen Tanner, Sujala Singh
- 10:30 Sense of presence in VR mobile application
Urszula Krzeszewska, Aneta Poniszewska-Maranda, Joanna Ochelska-Mierzejewska
- 11:00 Positive Online Customer Experience as an Antecedent of the Willingness to Share Information with an E-Commerce Retailer
Jussi Nyrhinen, Miia Grénman, Tiina Kempainen, Terhi-Anna Wilska, Markus Makkonen, Lauri Frank
- 11:30 - 11:45 Break session
- 11:45 - 13:15 Big Data and Analytics
Chair: Lasse Berntzen
Room: [Virtual room 1](#)
- 11:45 Phi: A Generic Microservices-based Big Data Architecture
Amine Maamouri, Lilia Sfaxi, Riadh Robbana
- 12:15 Multi-Language Sentiment Analysis – Lesson Learnt from NLP Case Study
Jacek Maślankowski, Dorota Majewicz
- 12:45 Using result profiles to drive meta-learning
Krzysztof Grąbczewski

11:45 - 13:15 Management and Organisational Issues in Information Systems**Chair: Muhammad Mustafa Kamal****Room: [virtual room 2](#)**

11:45 Technology acceptance of MS Teams among university teachers during COVID-19
Paweł Smolinski, Marcin Szostakowski, Jacek Winiarski

12:15 Knowledge management significance in agile organization in lights of COVID-19 pandemic changes
Patryk Morawiec, Anna Sołtysik-Piorunkiewicz

12:45 Technology as driver, enabler and barrier of digital transformation: A review
Vasilis Tsiavos, Fotis Kitsios

13:15 - 13:30 Break session**13:30 - 15:00 Emerging Computing Technologies and Trends****Chair: Slim Kallel, Mohamed Sellami and Walid Gaaloul****Room: [Virtual room 1](#)**

13:30 Artificial intelligence in the innovation process - do we pay attention to this participant in innovative projects?
Zornitsa Yordanova

14:00 Factors that Affects the Use of AI Agents for Adaptive Learning: A Sociomaterial and Mcdonaldization Approach to the Higher Education Sector
Nahil Kazoun, Angelika Kokkinaki, Charbel Chedrawi

14:30 Counterfactual Explanations for Predictive Business Process Monitoring
Tsunghao Huang, Andreas Metzger, Klaus Pohl

13:30 - 15:00 Management and Organisational Issues in Information Systems**Chair: Muhhamad Mustafa Kamal****Room: [Virtual room 2](#)**

13:30 ICT and Creativity: How ICT Impacts Creativity in a Saudi University
Ibrahim Almatrodi

14:00 Democratizing Enterprise AI Success Factors and Challenges: A Systematic Literature Review & a Proposed Framework
Tarek Kaddoumi, Torben Tambo

14:30 Towards a New Value Chain for the Audio Industry
Mahdieh Darvish, Matthias Murawski, Markus Bick

15:00 - 15:15 Break session**15:15 - 16:45 Healthcare Information Systems****Chair: Piotr Soja and Andriana Prentza****Room: [Virtual room 1](#)**

15:15 Assessment of Machine Learning Classifiers for Heart Diseases Discovery
Roseline Ogundokun, Sanjay Misra, Peter Sadiku, Jide Adeniyi

15:45 Technology Acceptance Model for Business Intelligence applications: Digital Transformation Approach to Public Hospitals Environment
FOTIS KITSIOS, nikos kapetaneas

16:15 Using 3D-technology to support facial treatment
Thomas Driebe, Paul Alpar, Peter Schleussner

15:15 - 16:45 Management and Organisational Issues in Information Systems**Chair: Angeliki Kokkinaki****Room: [Virtual room 2](#)**

15:15 Understanding Well-being in Virtual Teams: A Comparative Case Study
Almudena Cañibano, Petros Chamakiotis, Lukas Rojahn, Emma Russell

15:45 Organizational Aspects in Achieving a Successful Digital Transformation: Case of an ERP System Change
Parisa Aasi, Erik Gråhns, Robin Geijer, Lazar Rusu

16:15 AN integrated approach to critical success factors in IS implementations
ZAFOR AHMED, Evren Eryilmaz

16:45 - 17:00 Break session

17:00 - 18:30 Healthcare Information Systems
Chair: Piotr Soja and Andriana Prentza
Room: [Virtual room 1](#)

17:00 Health is Wealth: A Conceptual Overview of Virtual Healthcare & Future Research Directions [1995 – 2021]
Josue Kuika Watat, Ebenezer Agbozo, Sunday Adewale Olaleye, Gideon Mekonnen Jonathan

17:30 Online Health Communities: The Impact of AI Conversational Agents on Users
Alain Osta, Angelika Kokkinaki, Charbel Chedrawi

17:00 - 18:30 Management and Organisational Issues in Information Systems
Chair: Gianluigi Viscusi
Room: [virtual room 2](#)

17:05 An Agile Approach for Managing Microservices-based Software Development: Case Study in FinTech
Vu Nguyen Huynh Anh

17:30 The Continued Innovation-Decision Process – A Case Study Research of Continued Robotic Process Automation Adoption
Henriika Sarilo-Kankaanranta, Lauri Frank

18:00 The Role of Agile Pockets in Agile Transformation
Gitte Tjørnehøj