18th International Conference on e-Society (ES 2020)
13th International Conference on Information Systems (IS 2020)
16th International Conference on Mobile Learning (ML 2020)

CONFERENCE PROGRAM

<mark>**IMPORTANT NOTICE:**</mark> listed times are in <u>GMT+1</u>, you can check your timezone at **https://greenwichmeantime.com/time-zone/gmt-plus-1/** (you can use the provided URL to insert your location and see your time in relation to GMT+1).

<mark>**Thursday 2nd April 2020**</mark>

09:00-9:15 Session O – Opening Session

Profs. Philip Powell, Miguel Baptista Nunes, Inmaculada Arnedillo Sánchez, Boyan Bontchev and Pedro Isaias

09:15-10:15 Session KL1 – Keynote Presentation

20 YEARS OF MOBILE LEARNING – WHAT HAVE WE LEARNED?
By Professor Mike Sharples, Emeritus Professor of Educational Technology, Institute of Educational Technology, The Open University, UK

10:15-10:30 Break

10:30-12:35 Session FSRP 2.1
eGovernment /eGovernance // Information Management
Chair: Boyan Bontchev

AN OPERATIONALIZATION FOR COLLECTING EXPERTS' OPINIONS ON THE DESIGN OF AN E-DELIBERATION TOOL (F036)
Alexandra Gheondea-Eladi, Mark Verhijde, Mousa Albashrawi, Vassilis Tsakanikas and Vassilis Triantafillou
EGOVERNMENT DIGITAL ADOPTION: CAN THE ADOPTIVE BEHAVIOUR OF INDIVIDUALS BE PREDICTED? (F158)
Samantha Papavasiliou and Carmen Reaiche
ASSESSING A DIGITALISED CITIZEN CONSULTATION PLATFORM BASED ON A QUALITATIVE SURVEY THE CASE OF VALAIS CANTON'S NEW CONSTITUTION (S101)
Emmanuel Fragnière, Vincent Grèzes, Martine Hofstädter, Dominic Juon, Sherine Seppey and Randolf Ramseyer
LOAD BALANCING APPROACH TO ENHANCE THE PERFORMANCE IN CLOUD COMPUTING (S132)
Noof Alarifi and Iehab Alrassan
STATISTICAL LITERACY AND BIG DATA (R054)
Carlos Monteiro and Karen François
INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT) AND THE SUSTAINABLE DEVELOPMENT GOALS (SDG) (P059)
Martin Grossman

12:30 – 14:00 Break

14:00-16:00 Session FSP 2.2
Business Process Change // IS in Practice, Technology Infrastructures and Organisational Processes
Chair: Philip Powell

THE EUROPEAN CODE OF CONDUCT ON CLOUD SERVICES AND DATA PORTABILITY: WHAT CHANGES IN THE CLOUD ECOSYSTEM (F023)
Maro Androutsopoulou, John Violos, Dimitrios Askounis, Theodora Varvarigou, Panagiotis Kokkinakos and Christos Kontzinos
A PATTERN META-MODEL FOR BUSINESS PROCESS IMPROVEMENT (F038)
Nesrine Missaoui and Sonia Ayachi Ghannouchi
KNOWING WHICH APPS MANAGERS LIKE: A MANAGER APP PORTAL ACCOMMODATING THEIR USER PREFERENCES (F086)
Jorg H. Mayer, Markus Esswein, Reiner Quick, and Sanjar Sayar
TOWARDS A CYBERSECURITY CULTURE TOOL THROUGH A HOLISTIC, MULTI-DIMENSIONAL ASSESSMENT FRAMEWORK (S020)
Kanaris Bounas, Anna Georgiadou, Michalis Kontoulis, Spiros Mouzakitis and Dimitrios Askounis
THE ROLE OF DIGITAL SUPPLY CHAIN IN CIRCULAR ECONOMY (P022)
María Isabel Roldán Bravo, Jéssica Braojos Gómez, Francisco Javier Lloréns Montes and Antonia Ruiz Moreno

14:00-16:00 Workshop Session

WORKSHOP ON CRITICAL DEVELOPMENT OF E-DELIBERATION TOOLS (W035)
Alexandra Gheondea-Eladi and Mark Verhijde

16:00-16:15 Break

16:15-18:30 Session FSRP 2.3
Tools, technologies and platforms for mLearning // mLearning in and across formal and informal settings
Chair: Inmaculada Arnedillo Sánchez

USING MOBILE TECHNOLOGY TO CROWDSOURCE THE AUGMENTATION OF DEEP LEARNING DATASETS (F132)
Chantelle Saliba and Dylan Seychell
MOBILE LEARNING IN HIGHER EDUCATION (S052)
Petra Bauer, Christine Kolb and Jasmin Bastian
USING MOBILE LEARNING AND RESEARCH BASED LEARNING TO ATTRACT STUDENTS INTO QUANTUM INFORMATION RESEARCH (S018)
Francisco Javier Delgado-Cepeda and Marco Benjamín Enríquez-Flores
VIRTUAL REALITY AND ITS IMPACT ON LEARNING SUCCESS (F071)
Thomas Keller, Elke Brucker-Kley and Christian Wyder
MODELING A SECURE EXAM MANAGEMENT SYSTEM (SEMS) FOR MOBILE ENVIRONMENT BASED ON FACE RECOGNITION AND GPS TECHNIQUES (S036)
Hervé B. Olou and Eugène C. Ezin
TEACHERS DIALOGUING ABOUT STATISTICAL LITERACY WITH SUPPORT OF MESSENGER APP FOR SMARTPHONES (R087)
Sérgia Oliveira, Liliane Carvalho, Carlos Monteiro and Carolina Carvalho

Friday 3rd April 2020

9:15-10:15 Session KL2 – Keynote Presentation

LEVERAGING BIG DATA FOR COMPETITIVE ADVANTAGE: A CONFIGURATIONAL APPROACH
By Associate Professor John Dong, Director, Digital Business Focus Area,Faculty of Economics & Business, University of Groningen, The Netherlands

10:15-10:30 Break

10:30-12:20 Session FSP 3.1
mLearning in and across formal and informal settings
Chair: Boyan Bontchev

A META-ANALYSIS OF SERIOUS MOBILE GAMES TO SUPPORT MUSEUM'S INFORMAL EDUCATIONAL (F090)
Meng Wang and Miguel Baptista Nunes
MOBILE TECHNOLOGY AFFECTING TEACHING AND LEARNING IN RURAL SCHOOLS (F048)
Marlien Herselman, Adele Botha, Keneilwe Maremi ,Sifiso Dlamini and Mario Marais
INVESTIGATING MOOC PLATFORMS AS A PROSPECTIVE TOOL FOR MOBILE LEARNING (F138)
Albena Antonova and Boyan Bontchev
STUDENT ACCEPTANCE OF LEARNING WITH TABLETS IN A HISTORY MUSEUM (S035)
Alan J. Wecker, Merav Yosfan, Billie Eilam, and Joel Lanir

12:30 – 14:00 Break

14:00-16:00 Session FP 3.2
Digital Marketing // Other
Chair: Darius Zumstein

PERCEPTION AND RECOGNITION OF NATIVE ADVERTISING (F042) *Valerio Stallone* **THE DIGITAL ADVERTISING ECOSYSTEM – STATUS QUO, CHALLENGES AND TRENDS (F048)** *Nerma Gusic and Valerio Stallone* **SUCCESS FACTORS OF E-COMMERCE – DRIVERS OF THE CONVERSION RATE AND BASKET VALUE (F061)** *Darius Zumstein and Wolfgang Kotowski* **REQUIREMENTS AND RECOMMENDATIONS FOR UNIVERSITY RESEARCH DATA REPOSITORY: A CASE STUDY (F096)** *Fidan Limani, Arben Hajra, Mexhid Ferati and Vladimir Radevski*

16:00-16:15 Break

16:15-18:25 Session FSP 3.3
IS in Practice, Technology Infrastructures and Organisational Processes // Other
Chair: Philip Powell

MATURITY ANALYSIS TO ASSESS THE CAPABILITY OF AN ORGANIZATION TO INNOVATE (F091) *Marc Adam, Marco Peter and Stella Gatziu Grivas* **ASSESSMENT PLATFORM OF WATER AND ENERGY EFFICIENCY IN COLLECTIVE IRRIGATION SYSTEMS (S100)** *André Antunes, Diogo Felicíssimo, Bruno Ferreira and Nelson Carriço* **THE DIGITAL MEDIATION OF MIGRATION: A QUALITATIVE THEMATIC SYNTHESIS (S150)** *David Pannocchia, Petra Saskia Bayerl and Karen Latricia Hough* **COMPARATIVE ANALYSIS OF SOFTWARE DEVELOPMENT METHODOLOGIES FOR SECURITY REQUIREMENT ANALYSIS: TOWARDS HEALTHCARE SECURITY PRACTICE (F157)** *Prosper K. Yeng, Stephen D. Wolthusen and Bian Yang* **HEDGING STRATEGIES IN THE ADOPTION AND USE OF E-GOVERNMENT SERVICES (F131)** *Sharif Khan, Salah Kabanda and Adedapo Mobee*

Saturday 4th April 2020

9:15-10:15 Session KL3 – Keynote Presentation

THE IMPACT OF THE SEMANTIC KNOWLEDGE GRAPHS AND BIG DATA ON THE DIGITAL ECONOMY *By Assoc. Prof. Svetla Boytcheva, Researcher, Linguistic Modelling and Knowledge Processing, Bulgarian Academy of Sciences and Ontotext Ltd., Bulgaria*

10:15-10:30 Break

10:30-12:30 Session FSP 4.1
Pedagogical approaches, models and theories for mLearning // Enabling mLearning technologies, applications and uses
Chair: Marlien Herselman

CONCEPTUALIZING MOBILE DIGITAL LITERACY SKILLS FOR EDUCATORS (F064) *Farshida Jahoor, Adele Botha, and Marlien Herselman* **THE EFFECT OF TEACHING BY (MOBILE LEARNING) IN UNIVERSITY STUDENTS'S ACHIEVEMENT (S044)** *Omar M. K. Mahasneh* **MOBILE LEARNING IN OUTDOOR SETTINGS: A SYSTEMATIC REVIEW (F128)** *Johan Stymne* **EXPLORATION OF VIDEO E-LEARNING CONTENT WITH SMARTPHONES (F137)** *Stefan Räbiger, Tuğberk Dalkılıç, Alperen Doğan, Buket Karakaş, Berk Türetken and Yücel Saygın* **ENABLING MLEARNING TECHNOLOGIES INTO INTEGRATING OFF-CAMPUS INTERNSHIP AND CAPSTONE COURSES FOR TECHNOLOGICAL UNIVERSITY IN TAIWAN (P016)** *Su-Chang Chen, Hsi-Chi Hsiao, Jen-Chia Chang, and Dyi-Cheng Chen*

10:30-12:00 Session FSP 4.2
Collaborative Learning // Educational Systems Design // Data Analytics
Chair: Boyan Bontchev

CARROT-AND-STICK PROCEDURE WITHOUT CARROTS: VICARIOUS PUNISHMENT PROMPTS AND SYSTEM TRANSPARENCY IN E-LEARNING GROUPS (F166)   *Filipa Stoyanova and Nicole C. Krämer*   **DESIGN HINTS FOR SMART AGENTS AS TEACHERS IN VIRTUAL LEARNING SPACES (F125)**   *Thomas Keller and Elke Brucker-Kley*   **TOWARDS A TAXONOMY OF GAMIFICATION DESIGNS FOR BUSINESS MODEL INNOVATION (S127)**   *Stavros Lounis, Katerina Pramatari and Georgios I. Doukidis*   **COMPARISON OF TWO FORECASTING METHODS IN TIME SERIES DATA WITH SEASONALITY (P154)**   *David Ramamonjisoa*

12:30 – 14:00 Break

14:00-15:50 Session DSFP 4.3
Innovation and IS // IS Research Constraints, Limitations and Opportunities // Agile Methodologies
Chair: Philip Powell

IT CONTINUOUS USE IN MOBILE RIDESHARING APPLICATIONS: DRIVER PERSPECTIVE (D154)   *Reem Alsaedi, Thomas Chesney and Robert Pasely*   **QUALITY ASSESSMENT IN SCRUM SOFTWARE DEVELOPMENT THROUGH METRICS: A CONCEPTUALIZATION USING CONCEPT MAPS (S040)**   *Sirine Zaouali and Sonia Ayachi Ghannouchi*   **SOCIAL NETWORK SENTIMENT ANALYSIS TOOLS FOR THE DETECTION OF MENTAL ILLNESS: A SYSTEMATIC MAPPING (F105)**   *Ariel Altamirano, Daniel Avila and Graciela Guerrero*   **TAILOR-MADE IT PROJECT MANAGEMENT (F113)**   *Ariel I. La Paz and Rodrigo I. López*

16:00-16:15 Break

16:15-18:05 Session FSP 4.4
Technology and society
Chair: Darius Zumstein

THE INTERPLAY OF INNOVATION, ICT AND DEVELOPMENT: THE FUTURE OF DIGITAL INCLUSION, A COMPLEXITY PERSPECTIVE (F065)   *Arturo Serrano-Santoyo and Veronica Rojas-Mendizaba*   **PHARMACEUTICAL SEARCH ENGINE (F141)**   *Ghadeer Aldweik, Saadia Malik, Abrar Almuhammidi, Wejdan Alyoubi, Ahad Alsulami and Hind Al-ouf*   **IMPROVING FAKE PRODUCT DETECTION USING AI-BASED TECHNOLOGY (F157)**   *Eduard Daoud, Dang Vu, Hung Nguyen and Martin Gaedke*   **URBAN MOBILITY AND IOT: SMART SOLUTIONS FOR SUSTAINABILITY (S170)**   *Hannelore Nehring, Julhiano Glanert de Castro and Paulo Raimundi*

18:10 Best Paper Awards Ceremony and Closing Session

Profs. Philip Powell, Miguel Baptista Nunes, Inmaculada Arnedillo Sánchez and Boyan Bontchev