

## International Conference on Internet Technologies & Society 2021

## International Conference on Applied Management Advances in the 21st Century 2021

## International Conference on Sustainability, Technology and Education 2021

### PRELIMINARY CONFERENCE PROGRAM

**IMPORTANT NOTICE:** listed times are in **GMT+0**, you can check your timezone at <https://greenwichmeantime.com/time-zone/gmt-plus-0/> (you can use the provided URL to insert your location and see your time in relation to GMT+0).

### Wednesday 15<sup>th</sup> December 2021

#### 10:15-10:30 Session O – Opening Session

*Profs. Pedro Isaías, Adriana Backx Noronha Viana, Theodora Issa and Tomayess Issa*

#### 10:30-11:30 Session KL1 – Keynote Presentation

**“(WORKING TOWARDS) PROBABLY THE BEST (RE)HABILITATION COMPLEX IN THE WORLD” (REFLECTING APPLIED AI + ICT, HEALTH 5.0 AND DIGITAL WELLNESS)**

*Dr. Anthony Brooks, Associate Professor and senior researcher, Aalborg University, Denmark*

#### 11:35-12:25 Session RP 15.1

##### Digital Economy

**MANAGEMENT OR MARKET VARIABLES IN THE ASSESSMENT OF CORPORATE PERFORMANCE? NEW EVIDENCE USING PANEL DATA (R043)**

*Maria Elisabete Duarte Neves, Elisabete Fátima Simões Vieira and Zélia Serrasqueiro*

**THEMATIC LITERATURE REVIEW ON EVOLUTION OF RESOURCES AND CAPABILITIES FOR SERVICIZATION AS BUSINESS MODEL INNOVATION TOWARDS SERVICE NETWORKS (R053)**

*Maxim Ruff and Josef Neuert*

#### 12:25 – 14:00 Break

#### 14:00-15:35 Session FSP 15.2

##### E-Society and Digital Divide // Internet Technologies

**ONE STEP AT A TIME: DEEPENING SOCIO-TECHNICAL LEARNING IN UNDERGRADUATE ICT EXTERNSHIPS TO BRIDGE THE DIGITAL DIVIDE (F058)**

*Cynthia Pickering, Erik Fisher and Paul Ross*

**AUTOMATIC SOLAR CORPORATION WATER DISTRIBUTION SYSTEM FOR SMART CITY (F074)**

*R. Priya and S. Gavaskar*

**DO INTERNET VOTERS BEHAVE DIFFERENTLY? AN EXPLORATION OF THE 2014 FRENCH CONSULAR ELECTIONS (S016)**

*Régis Dandoy and Tudi Kernalegenn*

**WEB SYSTEM TO ADMINISTER ELECTORAL PROCESSES IN AN ACADEMIC COMMUNITY (F042)**

*Jenny Y. Galvez-Garrido, Carlos R. Jaimez-González and Betzabet García-Mendoza*

**Thursday 16<sup>th</sup> December 2021**

**09:15-10:15 Session RCP 16.1**

**Entrepreneurial Skills Education // Managing with ICT**

**ENTREPRENEURSHIP AND CHANGING MINDSETS: A SUCCESS STORY (R059)**

*Teresa Dieguez, Manuel Au-Yong-Oliveira, Thiago Sobral and Marc Jacquinet*

**THE IMPACT OF DIGITAL CHANGE PROCESSES ON ADAPTIVE PERFORMANCE (C074)**

*Isabelle Rösel*

**ALTERNATIVE ECONOMIC INDICATOR BASED ON ELECTRICITY CONSUMPTION: APPROACH BASED ON THE FINANCIAL BEHAVIOR OF BENEFICIARIES OF SINGLE REGISTRY FOR BRAZILIAN FEDERAL GOVERNMENT SOCIAL PROGRAMS (CADÚNICO) (R040)**

*Fernanda Barsante Nicoleta and Eduardo de Rezende Francisco*

**10:15-10:30 Break**

**10:30-12:10 Session FP 16.2**

**Information Search and Retrieval // Knowledge Management**

**VISUALIZATION OF DIVERSIFIED OPINIONS IN DISCUSSIONS ON SOCIAL MEDIA (F066)**

*Kota Chiba, Hiroki Nakayama, Ryo Onuma, Hiroaki Kaminaga, Youzou Miyadera and Shoichi Nakamura*

**RECALL NETWORK: VISUALIZATION OF ELABORATION CIRCUMSTANCES BASED ON ANALYSIS OF PARALLEL EDIT HISTORIES OF DOCUMENTS (F064)**

*Sho Onami, Ryo Onuma, Hiroki Nakayama, Hiroaki Kaminaga, Youzou Miyadera and Shoichi Nakamura*

**PERSONALIZED SIGHTSEEING SPOT RECOMMENDATION BASED ON READILY ACCESSIBLE DATA**

**- APPLYING SEMI-SUPERVISED LEARNING WITH A BAYESIAN CLASSIFICATION METHOD- (F032)**

*Satona Shirai, Hiroshi Uehara and Kazuya Suzuki*

**A PROBABILISTIC TOPIC MODEL-BASED RECOMMENDATION APPROACH FOR SIGHTSEEING SPOTS (P018)**

*Satona Shirai, Hiroshi Uehara and Kazuya Suzuki*

**12:10 – 14:00 Break**

**14:00-15:00 Session KL2 – Keynote Presentation**

**“THE FUTURE OF LEARNING IN THE BUSINESS DISCIPLINE”**

*Professor Sandeep Krishnamurthy, Dean, School of Business, University of Washington – Bothell, USA*

**15:00-16:00 Session FP 16.3**

**e-Citizenship and Inclusion // e-Mobile Learning**

**RISKY ONLINE BEHAVIORS AND POSITIVE TECHNOLOGICAL DEVELOPMENT IN HONG KONG EARLY ADOLESCENTS WITH DIVERSE DEMOGRAPHICS (F028)**

*Wilfred W.F. Lau, Morris S.Y. Jong, Gustavo S. Mesch and Ricky H.Y. Leung*

**COMPUTATIONAL THINKING TRAINING USING PICTOBLOX: EXPLORATORY STUDY WITH STUDENTS OF PRIMARY DEGREE (F053)**

*Sara Cruz, Marco Bento and José Alberto Lencastre*

**16:00-16:15 Break**

**16:15-18:15 FP 16.4**

**Sustainability and Sustainable Design**

**THEORETICAL FRAMEWORK LEADING TO DESIGN PROCESS OF CONCEPTUAL BIOMIMETIC ADAPTIVE SHADING SYSTEM IN HUMID CONTINENTAL CLIMATE (F037)**

*Karolina Anna Dudek and Aimin Lyu*

**ENDOGENOUS DESIGN AND ALTERNATIVE SITES FOR MANUFACTURING DIGITAL ARTIFACTS (F029)**

*Nicholas Stevens*

**AN INVESTIGATION ON THE ROLE OF SITUATIONAL LEADERSHIP IN MODERN ORGANIZATIONS (F018)**

*Mercy Manyuchi and Nita Sukdeo*

**WORK-LIFE BALANCE IN PRACTISING WOMEN ENGINEERS AS A STRATEGIC HUMAN RESOURCES INITIATIVE (F022)**

*Mercy Manyuchi and Nita Sukdeo*

## Friday 17<sup>th</sup> December 2021

08:25-10:15 Session FSP 17.1

**e-Mobile Learning // Internet Technologies // Other**

**CROSS-ORGANIZATIONAL PERFORMANCE IN E-GOVERNMENT: THE CASE OF SURABAYA CITY IN INDONESIA (F031)**

*Mudjahidin, Nidia Avisyah Putri, Andre Parvian Aristio and Lukman Junaedi*

**MODELING FACTORS INFLUENCING LEARNER EMPOWERMENT IN ONLINE LEARNING FROM THE PERSPECTIVES OF MOTIVATION AND REGULATION (F063)**

*Zhizi Zheng, Yuqing Yang and Yuhong Xu*

**E-LEARNING SYSTEM USING VIRTUAL REALITY WITH MID-AIR OPERATIONS AND APPLICATION TO EXPERIMENTS OF ELECTRONIC CIRCUITS (S071)**

*Atsushi Takemura*

**LOSSLESS COMPRESSION TECHNIQUES: REVIEW, COMPARISON AND ANALYSIS (S069)**

*Fatimah Khalid, Nur Afiqah Kaman and Fatin Aliah Mohd Razib*

**CLOUD BASED FACIAL RECOGNITION ATTENDANCE SYSTEM FOR UNIVERSITIES (P055)**

*Abdinajib Abdullahi Hassan and Noridayu Manshor*

10:15-10:30 Break

10:30-12:00 Session FP 17.2

**Education for Sustainability**

**A FACULTY ASSESSMENT FOR ONLINE LECTURERS: TUTORING AND VALUATION IN ONLINE CLASSROOM FOR THE SHORT TERM OF AY 2019-2020 (F028)**

*Christian M. Bana and Alain J. Anuevo*

**CURRICULAR INNOVATION RESEARCH IN THE FIELD OF RENEWABLE ENERGY USING THE EXAMPLE OF ANAEROBIC DIGESTION AND METHANE PRODUCTION (F025)**

*Isabel Rubner, Linda Baur, Bettina Grau, Jörg Steinbrenner, Benedikt Hülsemann and Andreas Lemmer*

**WHAT ROLE FOR HISTORIC HOUSE MUSEUMS IN THE AGE OF SUSTAINABLE DEVELOPMENT? CHALLENGES AND OPPORTUNITIES (F031)**

*Dalia Gallico*

12:00-14:00 Break

14:00-16:10 Session RCP 17.3

**Digital Economy, Finances and Others // Other**

**CONSUMER PERCEPTIONS FOR SUSTAINABLE USE OF FLAT GLASS- A STUDY OF ENABLERS AND BARRIERS (R081)**

*Soniya Billore*

**METHOD OF ESTIMATING PRESUMED INCOME FOR NATURAL PERSONS IN THE OPEN BANKING ENVIRONMENT (R048)**

*Flávio Henrique de Souza Gonçalves, João Carlos Félix Souza, Diogo Suzart Uzeda Picco and André Nunes Maranhão*

**GDP PER CAPITA OF BANGLADESH, INDIA, PAKISTAN AND VIETNAM – INSIDE A DECADE OF A DEVELOPING ASIA (C050)**

*Hafizur Rahman*

**THE RELATIONSHIP BETWEEN CORRUPTION AND FLOWS OF FOREIGN DIRECT INVESTMENTS IN DEVELOPING COUNTRIES (C084)**

*Marlla de Oliveira Feitosa, Caroline Orth and Clea Beatriz Macagnam*

**PECUNIARY DETERMINANTS OF IRREGULARITIES IN THE CAPITAL MARKET (C083)**

*Caroline Orth, Marlla de Oliveira Feitosa and Clea Beatriz Macagnam*

**BLOCKCHAIN FOR ENTERPRISES: BUILDING A RESEARCH FRAMEWORK (C075)**

*Michael Y. Chuang and Ahmad H. Juma'h*

16:10 Best Paper Awards Ceremony and Closing Session

*Profs. Pedro Isaias, Adriana Backx Noronha Viana, Theodora Issa and Tomayess Issa*