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<td>Session O – Opening Session</td>
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<td><em>Profs. Pedro Isaias, Miguel Baptista Nunes and Guo Chao (Alex) Peng</em></td>
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<td>09:15-10:15</td>
<td>Session KL1 – Keynote Presentation</td>
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<td><em>LET'S PUT LEARNING BACK INTO BLENDED LEARNING: A COLLECTIONIST FRAMEWORK</em></td>
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<td><em>Professor Johannes Cronjé, Dean of Informatics and Design, Cape Peninsula University of Technology, South Africa</em></td>
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<td>10:15-10:30</td>
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<td>10:30-12:05</td>
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<td><em>USE OF HYBRID CLASSROOM AND OPEN EDUCATIONAL RESOURCES: EXPERIENCE GAINED FROM A UNIVERSITY IN HONG KONG (F085)</em></td>
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<td><em>Nikolina Dragicic, Ioanna Pavlidou and Eric Tsui</em></td>
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<td><em>RESPONDING TO COVID-19: RAPID ORGANISATIONAL CHANGE IN ONLINE CPD PRODUCTION. A CASE REPORT (F082)</em></td>
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<td><em>Dirk Pilat and David Cameron</em></td>
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<td><em>Zahi Hodeib and Yvan Peter</em></td>
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<td><em>ECOPOLYTECHNIC: A SUSTAINABLE AND FLEXIBLE E-LEARNING SYSTEM FOR AGILE SMART LEARNING SCENARIOS (R050)</em></td>
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<td><em>Michele Angelaccio</em></td>
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**IMPORTANT NOTICE:** listed times are in GMT+1, you can check your timezone at [https://greenwichmeantime.com/time-zone/gmt-plus-1/](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).
### 14:00-15:50 Session FSRP 21.3
**Primary and Secondary Education // Vocational Training // e-Learning Models**

**Chair: Bertil P. Marques**

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<td>DIGITAL COMPETENCES FOR EDUCATORS IN THE ITALIAN SECONDARY SCHOOL: A COMPARISON BETWEEN DIGICOMPUEDU REFERENCE FRAMEWORK AND THE PP&amp;S PROJECT EXPERIENCE (F041)</td>
<td>Cecilia Fissore, Francesco Floris, Marina Marchisio, Sergio Rabellino and Matteo Sacchet</td>
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<td>GENDER DIFFERENCES IN ATTITUDES TOWARDS OBOV EXAMS: THE CASE OF A DEVELOPING COUNTRY (F093)</td>
<td>Mary Ann B. El Rassi</td>
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<td>E-LEARNING COURSE IN SMART TEXTILES (S071)</td>
<td>Ion Razvan Radulescu, Luis Almeida, Benny Malengier, Zoran Stjepanovic, Mirela Blaga and Petra Dufkova</td>
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<td>TESTING AND USING “TISH-ALBANIA” (TRANSPARENT INTERACTIVE SCREEN-BOARD) DURING COVID19 (R062)</td>
<td>Romeo Tenevski and Loreta Kuneshka</td>
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### 14:00-16:00 Session FSP 21.4
**Work environment/Work place**

**Chair: Norshidah Mohamed**

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<td>YOU JUST REMINDED ME – I’M HUMAN!: VIEWING OR INTERACTING WITH ROBOTS INCREASES HUMAN CONFORMITY TO OTHER HUMANS (F054)</td>
<td>Julian Welsh, Marlena Fraune and Yanfen You</td>
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<td>EMPLOYERS’ MIXED SIGNALS TO WOMEN IN IT: UNCOVERING HOW GENDER EQUALITY IDEALS ARE CHALLENGED BY ORGANIZATIONAL CONTEXT (F055)</td>
<td>Hilde G. Cornelissen and Gilda Seddighi</td>
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<td>Willem van der Feltz, Niels van der Pas and Mark van der Pas</td>
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<td>COVID 19: WORKING FROM HOME: TWITTER REVEALS WHY WE’RE EMBRACING IT (S040)</td>
<td>Fiona Carroll, Mohamed Mostafa and Simon Thorne</td>
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<td>THE EFFECT OF THREE DIFFERENT POSTURE COMPUTER WORKSTATION ON WORKING PERFORMANCE (P017)</td>
<td>Takeshi Sato, Mitzuki Nakajima Macky Kato, Ryota Murano and Hiroshi Morikawa</td>
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### 16:00:15 Break

### 16:15-18:45 FP 21.5
**Data and Software Applications in Smart Cities // Real-time decision analysis/support systems for monitoring and managing smart cities**

**Chair: Miguel Baptista Nunes**

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<td>WHERE TO GO? SMART GUIDANCE BASED ON IOT SENSOR-DATA (F048)</td>
<td>Robin Effing, Robert J. Brouwer, Asen Iliev, Thomas Teunissen and Fons Wijnhoven</td>
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<td>EVIDENCE-DRIVEN POLICY MAKING USING HETEROGENEOUS SOURCES OF DATA - THE CASE OF A CONTROL PARKING SYSTEM (F021)</td>
<td>Anastasios Papazoglou Chatikias, Ioannis Tsampoulatis, Filareti Tsalakanidou, Spiros Nikolopoulos, Ioannis (Yiannis) Kompatsiaris, Konstantinos Doudoulakis, Petros Papagilis and Georgios Papastergiou</td>
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<td>MEXICO CITY’S AIRBNB LISTING PRICE ANALYSIS USING REGRESSION (F044)</td>
<td>Daniela A. Gomez-Cravioto, Ramon E. Diaz-Ramos, Virginia L. Contreras-Miranda and Francisco J. Cantu-Ortiz</td>
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### 16:15-17:35 FSRP 21.6
**Actions for reaching the Good Information Society**

**Chair: Fiona Carroll**

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<td>COUNTER TERRORISM FINANCE BY DETECTING MONEY LAUNDERING HIDDEN NETWORKS USING UNSUPERVISED MACHINE LEARNING ALGORITHM (F050)</td>
<td>Amer Ehab Mohammed Shokry, Mohammed Abo Rizka and Nevine Makram Labib</td>
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<td>INDIVIDUAL’S INTENTION TO SUBSCRIBE TO FREEMIUM MUSIC STREAMING SERVICES: A CONCEPTUAL FRAMEWORK (S072)</td>
<td>Norshidah Mohamed and Hanif Haghshenas</td>
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Wednesday 22nd July 2020

08:55-10:15 Session FSP 22.1
Higher and Further Education
Chair: Matteo Sacchet

DELIVERING AN ONLINE COURSE ON ‘HEALTH EMERGENCY FROM SARS-COV-2, THE NOVEL CORONAVIRUS: PREPARATION AND CONTRAST’ FOR HEALTH PROFESSIONS STUDENTS AT ITALIAN UNIVERSITIES (F058)
Giovanni Galeoto, Anna Berardi, Marco Tofani, Luissa Saisani, Alvisa Palese and Donatella Valente

THE EFFECT OF GENDER ON UNIVERSITY TEACHERS’ ICT USE (F025)
Manica Danko, Mitja Dečman, Damijana Keržič and Vida Zorko

DESCRIPTION OF METHOD USED BY SAPIENZA UNIVERSITY IN ROME TO DELIVER REHABILITATION PROGRAM E-COURSES TO STUDENTS FOLLOWING THE COVID-19 EMERGENCY (S061)
Anna Berardi, Marco Tofani, Giovanni Galeoto, Maria Auxiliadora Marquez and Donatella Valente

08:45-10:15 Session FP 22.2
Globalization and ICT
Chair: Anastasija Nikiforova

MANAGING MILLENNIALS AS OUTSOURCED INFORMATION TECHNOLOGY PROFESSIONALS: A SYSTEMATIC REVIEW (F028)
Tiago Jacob Fernandes Fonseca, Henrique Sâo Mamede and Vítor Duarte dos Santos

ESTIMATION OF SOCIAL CAPITAL BASED ON USER BEHAVIOR INFORMATION ON REGIONAL ELECTRONIC COUPON (F065)
Toshiomi Moriki, Hiroki Sato, Hideyuki Maki and Norihisa Komoda

CREATION OF A PUBLICLY ACCESSIBLE RESOURCE FOR INCREASING THE VOLUME OF FREELY DISTRIBUTED MEDICAL DATASETS (F061)
Artyom Lobantsev, Artyom Beresnev, Mark Tkachenko, Olga Alekseeva, Natalia Gusarova, Aleksandra Vatian and Anatoly Shalyto

10:15-10:30 Break

10:30-12:20 Session FSP 22.3
Higher and Further Education // e-Learning Models
Chair: Nello Scarabottolo

DEVELOPMENT OF A MEASUREMENT TOOL TO EVALUATE THE LEARNING EXPERIENCE IN AN E-LEARNING SYSTEM (F020)
Yassine Safouf, Khalifa Mansouri and Franck Poirier

USING SOCIAL MEDIA FOR PEER INTERACTION IN HIGHER EDUCATION: STUDENTS’ PERCEPTION OF USING FACEBOOK TO SUPPORT PEER LEARNING (F073)
Marie Claire Ukwishaka and Naghmeh Aghaee

SHORT-TERM LEARNERS’ MOTIVATION MODELING IN WEB BASED EDUCATION SYSTEM (F051)
Shatzad Shabbir, Muhammad Akmal Ayyub, Farman Ali Khan and Jeffrey Davis

DESCRIPTION OF THE METHOD USED BY TOR VERGATA UNIVERSITY OF ROME FOR THE ELECTRONIC FINAL EXAM OF THE DEGREE COURSE IN PHYSIOTHERAPY (S052)
Yassine Safouf, Khalifa Mansouri and Franck Poirier

10:30-11:35 Session FSRP 22.4
User-Centric Smart Cities // Key areas of Smart Services
Chair: Miguel Baptista Nunes

THE ADVENT OF SMART CITIES: STATUS QUO AND FUTURE RESEARCH DIRECTIONS (F050)
Yasuf Bockhart, Reiner Braun, Alexander Rossmann and Dieter Herrweck

THE SMART CITY AS A SOCIAL POLICY ACTOR (S037)
Diogo Miguel Mendes Correia and José Eduardo Silva Abreu Lopes Feio

HUMAN-CENTRIC TECHNOLOGY FOR URBAN PLANNING (R052)
Vaijayanthi Veerar and Paul Chavez

12:30 – 13:50 Break
13:50-16:00 Session FSP 22.5
Distance Learning
Chair: Dirk Pilat

ANALYSIS ITEMS TO ASSESS THE QUALITY OF OPEN ONLINE COURSES FOR HIGHER EDUCATION (F035)
Marina Marchisio and Matteo Sacchet

ONLINE TUTORING THROUGH AN INTEGRATED PLATFORM TO SUPPORT LEARNING MATHEMATICS AT LOWER SECONDARY SCHOOL (F031)
Cecilia Fissore, Marina Marchisio and Sergio Rabellino

ONLINE WRITTEN EXAMS DURING COVID-19 CRISIS (F095)
Goffredo Haus, Yuri Benvenuto Pasquinelli, Daniele Scaccia and Nello Scarabottolo

REMOTE TEACHING FOR DEAF PUPILS DURING THE COVID-19 EMERGENCY (S069)
Federica Baron and Marco Lazzari

STUDENT’S SOCIAL VULNERABILITY IN DISTANCE LEARNING IN COVID-19 TIMES (S106)
Bertil P. Marques, Rai Marques and Rosa Reis

14:00-16:00 FDSP 22.6
Desirable goals and ICT // Life role and ICT
Chair: Anastasija Nikiforova

A COLLECTIVE AWARENESS PLATFORM FOR MISSING CHILDREN INVESTIGATION AND RESCUE (F018)
Ariadni Michalitsi-Psarrou, Christos Ntanos and John Psarras

INFORMATION SYSTEMS FOR ENVIRONMENTAL SUSTAINABILITY. HOW CAN COMPANIES CREATE A SUSTAINABLE AQUACULTURE INDUSTRY? (D030)
Carolina Costabile

DESIGN POINT. AN INTEGRATED E-LEARNING & INDUSTRY 4.0 FASHION PLATFORM FROM ITALY TO ZAMBIA (S037)
Dalia Gallico

DIGITAL PLATFORMS, AFFORDANCE, AND PUBLIC GOVERNABILITY (S058)
Leonid Smorganov

ESTIMATING THE MONETARY BENEFITS OF TELEREHABILITATION IN THE COUNTRYSIDE – CASE OF INTRODUCTION OF TELE-HOME CARE (S048)
Päivi Kekkonen, Arto Reiman, Pirjo Lappalainen, Marika Taiskunen and Kirsi Jokinen

16:00-16:15 Break

16:15-17:35 FSP 22.7
Social Media
Chair: Bertil P. Marques

USING THE NETWORKED KNOWLEDGE ACTIVITIES FRAMEWORK TO EXAMINE LEARNING ON SOCIAL NETWORKING SITES (F051)
Vanessa P. Dennen, Kari Word, Dawn Adolfson, Victor Arecchavaleta, Dan He, Chia-Wei Hsu, Juesung Hur, Daeun Jung, Heather Kent, Annemarie Russell and Korinna Toth

INFLUENCING FOLLOWERSHIP: UNDERSTANDING THE PERSPECTIVE OF THOSE LEADING ACTIVE DISCUSSIONS ON QUORA (F038)
Martin C. Nwadiugwu

A HOLISTIC SOCIAL COMMERCE FRAMEWORK FOR SAUDI ARABIA (S016)
Mohammed Aljaafari
## Thursday 23<sup>rd</sup> July 2020

### 09:25-10:15 Session FSP 23.1
**ICT skills education**  
*Chair: Emre Erturk*

| DIGITAL LITERACY ASSESSMENT OF UNDERGRADUATE STUDENTS FROM PHYSICAL EDUCATION PROGRAM OF THAILAND NATIONAL SPORTS UNIVERSITY (F067)  
Narumon rodsiam  
TEACHING PROGRAMMING SKILLS TO GIRLS (S076)  
Nataša Hoić-Božić, Martina Holenko Dlab, Ivona Franković and Marina Ivanić-Kos |
|---|

### 09:25-10:15 Session FSP 23.2
**Group Processes and Self-Organization // Collaborative Technologies**  
*Chair: Ittipon Rassameeroj*

| EMOTION ANALYSIS USING SELF-TRAINING ON MALAYSIAN CODE-MIXED TWITTER DATA (F048)  
Kathleen Swee Neo Tan, Tong Ming Lim and Yee Mei Lim  
INTERACTIVE POTENTIAL OF NEWS NARRATIVES IN COMMUNITIES FORMED AROUND NEWS MEDIA (S039)  
Artem Zakharchenko |
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### 10:15-10:30 Break

### 10:30-12:05 Session FSRP 23.3
**Evaluation of e-Learning Technologies // Virtual Learning Environments (VLEs)**  
*Chair: Miguel Baptista Nunes*

| HYBRID RECOMMENDATION APPROACH BASED ON A VOTING SYSTEM: EXPERIMENTATION IN AN EDUCATIONAL CONTEXT (F032)  
Mohammed Baidada, Khalifa Mansouri and Franck Poirier  
USING FORMAL CONCEPT ANALYSIS TO EXPLORE HIDDEN KNOWLEDGE IN THE ASSESSMENT OF A MATH COURSE (F100)  
Francisco Pérez-Gómez, Manuel Ojeda-Hernández, Ángel Mora Bonilla, Domingo López-Rodríguez and Nicolas Madrid  
COMPUTER SIMULATION WITH ARGUMENTATION SCAFFOLDING FOR ELEMENTARY STUDENTS’ COLLABORATIVE SCIENTIFIC EXPLANATION (S103)  
Fan-Jun Yang and Chien-Yuan Su  
THE EXPANDING ROLE OF IMMERSIVE MEDIA IN EDUCATION (R064)  
Emre Erturk and Gabrielle-Bakker Reynold |
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### 10:30-12:40 Session FSP 23.4
**Life environment and ICT // Other**  
*Chair: Leonid Smorgunov*

| DESIGNING FOR TRANSITIONS IN RURAL TRANSPORT (F074)  
Amela Karahasanović, Alma Leora Culén, Jan Håvard Skjetne and Geir Hasle  
ICT FOR DEVELOPMENT, EMPOWERMENT, OR EMANCIPATION? A REFLECTION ON TERMINOLOGY BASED ON CASE STUDIES IN UNDERSERVED COMMUNITIES OF CAPE TOWN (F015)  
Maria Rosa Loriini and Wallace Chigona  
ICTS USAGE AMONG RURAL COMMUNITIES IN THE INFORMATION AGE: A CASE STUDY OF SMALL SCALE FARMERS IN EASTERN CAPE PROVINCE SOUTH AFRICA (F016)  
Agyei Fosu and Darelle van Greunen  
ADOPTION OF AI IN AGRICULTURE: THE GAME-CHANGER FOR INDIAN FARMERS (S047)  
Tapas Kumar and Nupur Prakash  
GAMIFICATION AND INTERDISCIPLINARY SCIENTIFIC RESEARCH: SCIENTIFIC TEXT MINING (S024)  
Olga Kononova, Dmitry Prokudin, and Angelina Timofeeva |
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### 12:40 Best Paper Awards Ceremony and Closing Session

*Profs. Pedro Isaias, Miguel Baptista Nunes and Guo Chao (Alex) Peng*