## CONFERENCE PROGRAM

**IMPORTANT NOTICE:** listed times are in GMT+0 (Lisbon Time), you can check your timezone at [https://greenwichmeantime.com/time-zone/gmt-plus-0/](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).

### Saturday 12th, March 2022

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:35</td>
<td>Session O – Opening Session</td>
</tr>
<tr>
<td>09:45-10:45</td>
<td>Session KL – Keynote Presentation</td>
</tr>
<tr>
<td>10:45-12:45</td>
<td>Session FP 12.1</td>
</tr>
<tr>
<td>10:50-12:30</td>
<td>Session FSP 12.2</td>
</tr>
<tr>
<td>12:45-14:00</td>
<td>Lunch Break</td>
</tr>
</tbody>
</table>

### OPENING SESSION

*Profs. Philip Powell, Miguel Baptista Nunes, Inmaculada Arnedillo Sánchez and Pedro Isaías*

### Session KL – Keynote Presentation

**“THE CHALLENGES OF ARTIFICIAL INTELLIGENCE”**

Dr. Nick Haigh, Associate Professor, Swansea University, UK

### Session FP 12.1

**IS Research // Design Research and the Sciences of the Artificial in IS**

*Chair: Philip Powell*

- **A FRAMEWORK FOR THE APPLICATION OF MACHINE LEARNING IN IS LITERATURE REVIEWS** (F063)
  - Yusuf Bozkurt, Reiner Braun and Alexander Rotsmann

- **LAYOUT-DRIVEN WEBPAGE READING** (F122)
  - Koki Tsunoda, Junko Shiroyama, Hajime Iwata and Yoshiaki Fukazawa

- **ANALYSIS AND PREDICTION OF COMPUTER INDUSTRY TALENT DEMAND BASED ON MACHINE LEARNING** (F056)
  - Yu Han and Haiyi Zhang

- **DESIGNING A MEDICAL EXPERT SYSTEM BASED ON FUZZY LOGIC** (F120)
  - Rustam Burnashev, Arslan Enikeev, Adelya Enikeeva and Ilyuza Fakhridinova

### Session FSP 12.2

**Innovative mLearning approaches // Enabling mLearning technologies, applications and uses**

*Chair: Lúcia Pombo*

- **EARNING COMMUNICATION WITH AUTISTIC PEOPLE WITH A MOBILE SERIOUS ROLE-PLAYING GAME** (F069)
  - Dixit Bharatkumar Patel, Xavian Ogletree and Yong Pei

- **LEVERAGING SMARTPHONE AFFORDANCES FOR EFL EMERGENCY REMOTE TEACHING** (F029)
  - Peter Ilic

- **E-LEARNING COURSE OF SOFTWARE FOR TEXTILE DESIGN** (S054)
  - Ion Razvan Radulescu, Antonio Dinis, Benny Malengier, Andrej Cupar, Mirela Blaga and Radek Polansky

- **CHILD’S PLAY: TEACHING YOUNG CHILDREN HEBREW MORPHOLOGY USING E-LEARNING TECHNOLOGIES** (S060)
  - Nofar Rimon, Iris Melamed Gorodesky, Goren Gordon and Einat Gonen
<table>
<thead>
<tr>
<th>Session FSP 12.3</th>
<th>IS in Practice, Technology Infrastructures and Organisational Processes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chair:</strong> Tiko Iyamu</td>
<td></td>
</tr>
<tr>
<td><strong>MATURITY AND QUALITY LEVELS IN THE USE OF INTEROPERABLE INFORMATION SYSTEMS FOR ECONOMIC REACTIVATION OF TOURISM-HOSPITALITY-GASTRONOMY SECTOR POST-PANDEMIC. CASE STUDY: ECUADOR (F020)</strong> Rabi Rojas, Manuel Tuapia and Mariusdi Bruzza</td>
<td></td>
</tr>
<tr>
<td><strong>DATA-DRIVEN TRANSFORMATION JOURNEY THROUGH DATA DEMOCRACY: A CASE STUDY OF A SWEDISH BANK (F049)</strong> Irsa Amerian and Fisnik Dalipi</td>
<td></td>
</tr>
<tr>
<td><strong>NEW INSIGHT OF DATA MINING-BASED FRAUD DETECTION IN FINANCIAL IT-SYSTEMS (F074)</strong> Salah Baïna and Ayoub Rihi</td>
<td></td>
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<tr>
<td><strong>EVALUATING THE PERFORMANCE OF A CARE PROCESS BASED ON SIMULATION: MATERNITY CASE (F087)</strong> Roger Seiler and Sonja Wiest</td>
<td></td>
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<tr>
<td><strong>FOSTER TRUST IN INDUSTRIAL QUALITY CONTROL BY INTRODUCING SMART CONTRACTS (S139)</strong> Markus Nöbauer</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Session FSP 12.4</th>
<th>eBusiness / eCommerce</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chair:</strong> Darius Zumstein</td>
<td></td>
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<tr>
<td><strong>DEVELOPMENT OF E-COMMERCE IN TIMES OF THE CORONA CRISIS (F070)</strong> Darius Zumstein, Carmen Oswald and Claudia Brauer</td>
<td></td>
</tr>
<tr>
<td><strong>AN ONLINE EXPERIMENT ON THE STEREOTYPE CONTENT MODEL (SCM) AND CHATBOTS – DOES SWAPPING THE PICTURE MAKE A DIFFERENCE? (F039)</strong> Roger Seiler and Sonja Wiest</td>
<td></td>
</tr>
<tr>
<td><strong>TRUST AND CYBERSICKNESS IN VR-MARKETING – INVESTIGATING IPD AND CYBERSICKNESS, AND THEIR EFFECTS ON TRUST, CUSTOMER VALUE, NPS, CROSS- AND UP-SELLING (F038)</strong> Roger Seiler, Thierry Brodmann and Thomas Keller</td>
<td></td>
</tr>
</tbody>
</table>

| 16:00-16:15 Break |

<table>
<thead>
<tr>
<th>16:30-17:35 Session FSRP 12.5</th>
<th>Technology and Society</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chair:</strong> Dalia Gallico</td>
<td></td>
</tr>
<tr>
<td><strong>USABILITY AND USER EXPERIENCE IN OPEN COMMUNITY WEB PORTALS: A CASE STUDY IN SMART PORTS DOMAIN (F043)</strong> Shabnam Kazemi, Deniz Cetinkaya, Gernot Liebchen and Reza Sahandi</td>
<td></td>
</tr>
<tr>
<td><strong>HEALTHY JOB. WORK AND HEALTH JUST A CLICK AWAY (S145)</strong> Dalia Gallico</td>
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<td><strong>CYBERSTALKING IN INDIA: CHALLENGES ON THE SOCIAL SIDE AND THE UNDERLYING CONTRADICTIONS (R119)</strong> Ameema Miftha, Marc Conrad and Marcia Gibson</td>
<td></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>16:15-17:35 Session FSP 12.6</th>
<th>eHealth</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chair:</strong> Myriam Le Goff-pronost</td>
<td></td>
</tr>
<tr>
<td><strong>5 YEARS OF EARLY MANAGEMENT OF SKIN CANCER BY TELDERMATOLOGY: WHAT HAVE WE LEARNED FROM REAL-WORLD DATA? (F102)</strong> Myriam Le Goff-Pronost, Imad El Badisy, Quentin Dejonghe, Caroline De Paou, Tanguy Lagorsse, Bastien Affeltranger and Estelle Borne</td>
<td></td>
</tr>
<tr>
<td><strong>CLASSIFICATION OF METHODS AND ALGORITHMS FOR DETECTION OF FALLS IN OLDER ADULTS (F054)</strong> Manuel Erazo-Valadez, Javier Ortiz-Hernandez, Angel Israel Daza-Castillo, Juan Antonio Miguel-Ruiz, Alicia Martinez-Rebollar and Yasmin Hernandez</td>
<td></td>
</tr>
<tr>
<td><strong>RECOGNITION OF ARM POSITIONS OF DEMENTIA PATIENTS VIA SMARTWATCHES USING SUPERVISED LEARNING (S080)</strong> Sergio Staub and Ludger Martin</td>
<td></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>17:35-18:20 Session ST – Special Talk</th>
<th>ARTIFICIAL INTELLIGENCE APP TO IMPROVE ESL LEARNING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wilson Ramon Hernandez Parruci, Ph.D. Student, Northern Illinois University, USA</td>
<td></td>
</tr>
</tbody>
</table>
Sunday 13th, March 2022

08:40-10:30 Session FSP 13.1
IS Design, Development and Management Issues and Methodologies
Chair: Tiko Iyamu

- CHALLENGES AND MITIGATION STRATEGIES IN THE USE OF THE SEMI-STRUCTURED INTERVIEW TECHNIQUE (F016)
  Tiko Iyamu and Maria Mutadi
- DIGITAL PLATFORMS FOR THE CREATIVES TOWARDS A TAXONOMY (F112)
  Pinelopi Stavrianidi and Anastasia Constantelou
- CLOSURE ANALYSIS OF STUDENTS’ WORD-USAGE LOCATED IN A HIGH-DIMENSIONAL SPACE (F106)
  Toshiro Minami and Yoko Ohura
- ANALYSIS OF A DISTRIBUTED HYBRID MAS APPROACH FOR INFORMATION SYSTEM DEVELOPMENT (S084)
  Agnese Salutari and Laura Tarantino

08:20-10:30 Session FSP 13.2
eLearning
Chair: Wilfred W. Lau

- REDUCING FOOD WASTE WITH VIRTUAL REALITY (VR) TRAINING – A PROTOTYPE AND A/B-TEST IN AN ONLINE EXPERIMENT (F035)
  Roger Seller, Daniel Funkhauser and Thomas Keller
- OBS SHARE AND MULTIVIEW: TWO METHODS FOR SHARING STUDENT WORK IN DISTANT TEACHING (S089)
  Jun Iio
- CITIZEN IDENTIFICATION: CONCEPTS, PRINCIPLES AND OPINIONS – THE CASE OF MOZAMBIQUE (S025)
  Paolo Macaluse and Luis Amasul
- PROPOSAL FOR A MODEL FOR DETECTING FAKE NEWS ON SOCIAL MEDIA IN MEXICO (F069)
  Carlos Augusto Jimenez Zarate and Leticia Amalia Neira Tovar
- INSTRUCTOR TEACHING EXPERIENCE WITH ONLINE DISTANCE LEARNING FOR PRACTICAL DESIGN COURSES AFTER COVID-19 (F108)
  Miha Kim and Dong-Yeong Lee

10:30-10:45 Break

10:45-12:35 Session FSP 13.3
Information Systems
Chair: Jun Iio

- METHOD FOR ISOLATING THE PATIENT AND IOT ABNORMALITY USING A BAYESIAN NETWORK (F031)
  Ryochi Sasaki, Akinori Ueno and Jiqiang Liu
- ARTIFICIAL INTELLIGENCE FOR NEXT GENERATION ENERGY SERVICES ACROSS EUROPE – THE I-ENERGY PROJECT (F147)
  Evangelos Karakolis, Sotiris Pelekis, Spiros Mousoulitis, Ospania Markaki, Katerina Papapostolou, Giorgos Korbakakis and John Psarras
- CRITERIA FOR THE ANALYSIS OF SERIOUS GAMES INTERFACES IN VIRTUAL REALITY (F040)
  André Salomão, Victor Nassar, Milton Vieira and Berenice Santos Gonçalves
- A CONCEPTUAL MODEL FOR REPRESENTATION (TRANSFER) PROCESSES (S144)
  Tobias Huhmann and Chantal Müller

10:45-13:05 Session FSP 13.4
Technology and Society
Chair: Hiroshi Furukawa

- PARENTS’ VIEWS ON RISKY ONLINE BEHAVIORS AND POSITIVE TECHNOLOGICAL DEVELOPMENT AMONG HONG KONG EARLY ADOLESCENTS (F124)
  Wilfred W.F. Lau, Morris S.Y. Jong, Gastavo S. Mesch and Tianna T.Y. Leung
- SURVEYING PARENTAL MEDIATION AND DIGITAL LITERACY: WERE PARENTS READY DURING COVID-19? (F057)
  Evangelia Daskalaki, Costas Panagiotakis, Harris Papadakis and Paraskevi Fragopoulou
- REFINEMENT OF THE QUANTITATIVE MODELS TO ESTIMATE USER’S FEAR IN EVACUATION ROUTE PLANNING: INTRODUCTION OF USER ATTRIBUTES AND NONLINEARIZATION OF THE MODEL (F099)
  Hiroshi Furukawa and Ryota Koshimizu
- INTEGRATION OF QUICK RESPONSE (QR) CODE FOR AGRICULTURAL PRODUCT TARIFF COLLECTION AND VIRTUAL PAYMENT TRANSACTIONS (S058)
  Richard Myrick T. Arellaga, Jermine V. Dacanay, Rhealyn B. Valenzuela, Melvin F. Ellorin and Jose Alberto D. Pataweg

13:05-14:00 Lunch Break
14:00-15:00 Session FP 13.5
IS Design, Development and Management Issues and Methodologies
Chair: Narasimha Rao Vajjhala
MODELING THE SCALE OF SATISFACTION AND THE VIRTUAL PLATFORM APPLIED TO THE EXPERIENCE OF SPECIALISTS AND USERS OF HEALTH SERVICES (F050)
Galba Freire Moita, Zumitra Hartz and Galba Freire Moita Júnior
A GRAMMAR FOR INFORMATION SYSTEMS AND TECHNOLOGY COMPETENCIES (F045)
Fábio Longo De Moura and Filipe De Sá-Soares

14:00-15:00 Session FP 13.6
eLearning
Chair: Evangelos Karakolis
STUDYING GAMEIFICATION AS A TOOL FOR COLLECTING DATA (F074)
André Salomão, Bruno Dal Ponte da Silva, Júlio Monteiro Teixeira, Nicolas Canale Romeiro and Milton Luiz Horn Vieira
UNDERSTANDINGS AND PERSPECTIVES ON BLENDED LEARNING IN A BRAZILIAN PRIVATE UNIVERSITY IN THE CONTEXT OF TRANSFORMATIONS (F030)
Katthiscia Akemi Nasa Nogueira and Maria Cristina Lima Paniago

15:00-16:00 Session KL – Keynote Presentation
MOVING FORWARD IN THE DIGITAL SOCIETY: A CRITICAL PERSPECTIVE ON THE ROLE OF INNOVATIVE TECHNOLOGIES AND TRENDS
Prof. Pedro Isaias, Information Systems & Technology Management School, The University of New South Wales, Australia

16:00-16:15 Break

16:15-18:05 Session FSP 13.7
The centrality of IS and IT in Organisational Processes // IS Management
Chair: Galba Moita
CLINICAL PATHWAY – TO FOLLOW OR NOT TO FOLLOW (F093)
Päivi Ovaskainen, Jouni Alin, Seija Arve, Reima Suomi and Pirkko Nykänen
AN OBJECTIVE-BASED APPROACH FOR DEFINING AND SELECTING THE MOST RELEVANT KPIS FOR MEASURING BUSINESS PROCESS PERFORMANCE (F086)
Amina Haouas, Emna Ammar Elhadjamor and Sonia Ayachi Ghannouchi
DATA PROTECTION AND PRIVACY DETERMINANTS OF E-GOVERNMENT ADOPTION IN NIGERIA (S041)
Joshua Chukwu, Marc Conrad and Tess Crosbie
EXPLORING STRATEGIC ALIGNMENT OF BUSINESS AND INFORMATION SYSTEMS/TECHNOLOGY STRATEGIES USING A MIDDLE MANAGEMENT PERSPECTIVE (D142)
Thokozani Kachale

16:15-17:40 Session FRSP 13.8
Tools, technologies and platforms for mLearning // Other
Chair: Ion Razvan Radulescu
GRADUATE EMPLOYABILITY SKILLS DEVELOPMENT THROUGH REFLECTION AND SELF-ASSESSMENT USING A MOBILE APP (F088)
Marja Iqbal, Lars Jørgen Fredheim, Hege Annette Olstad, Aisha Abbas and Sobah Abbas Petersen
THE SPOC+ PLATFORM: EVALUATION AND PERSPECTIVES (S068)
Hamed Asgari and Georges Antoniadis
TMOOC IN THE AGE OF MLEARNING. A CASE STUDY OF ECO DIGITAL LEARNING (R051)
Sara Obano-Acedo, Roberto Felterro and Eva Bunbury
IDEAL LEARNING ENVIRONMENT: HOW TO BUILD IT WITH ARTIFICIAL INTELLIGENCE (S074)
Elisabetta Crescio
Monday 14th, March 2022

08:40-10:30 Session FSP 14.1
The centrality of IS and IT in Organisational Processes // Information Management
Chair: Reima Suomi

DIGITAL TRANSFORMATION: COMPLEXITY AND NEED FOR A FRAMEWORK FOR ITS MANAGEMENT (F079)
Omar Gaidi and Salah Baina

PYRAMID MODEL – CONCEPTUALIZING AN ORGANIZATIONAL CAPABILITY TO DESIGN IT INVESTMENTS (F098)
Mikko H. Hirvonen

RESEARCH ON THE WILLINGNESS OF USERS' PRIVACY CONCERNS TO USE EPIDEMIC PREVENTION TECHNOLOGY UNDER THE BACKGROUND OF THE NEW CORONAVIRUS EPIDEMIC (F109)
Chenshang Ye, Jinjing Yang, Miaomiao Zheng and Cong Cao

FACTORS AFFECTING TREND INTENTION IN YOUTUBE VIDEOS (S101)
Endrit Ajrulla, Marika Apostolova and Lejla Abazi-Besheti

09:10-10:30 Session FSRP 14.2
eGovernment /eGovernance // Citizen Journalism
Chair: Darius Zumstein

DEPICTING U.S.-CHINA DISPUTES ON TECH GIANTS THROUGH SOCIAL MEDIA: AN ATTEMPT OF COMPUTATIONAL POLITICAL COMMUNICATION (F066)
Yekai Xu and MIngyi Xue

ROLE OF ONLINE PLATFORMS IN SUSTAINING THE LOCAL MEDIA (R097)
Bolormaa Battsoogt

PUBLIC E-ADMINISTRATION: UNDERSTANDING THE PERCEPTION OF TAXES BY GENERATION Y AND GENERATION Z (S137)
Teresa Zichová

TEEN SOCIAL MEDIA USE DURING COVID-19: PARENT PERCEPTIONS AND OVERSIGHT (F143)
Vanessa P. Dennen, Hui Shi, Stacey A. Rutledge, Lauren M. Bagdy, Daenun Jung, Stephen Bunn, Casey Cargill, Catherine Cosgrove and Amber Hedquist

10:30-10:45 Break

10:45-11:45 Session FP 14.3
IS Design, Development and Management Issues and Methodologies
Chair: Toshiro Minami

THE INFLUENCE OF NATIONAL CULTURE DIMENSIONS ON AGILE IMPLEMENTATIONS IN THE SOUTH AFRICAN SOFTWARE DEVELOPMENT CONTEXT (F148)
Kirwin B. Matthews and Maureen C. Tanner

IMPACT OF INDIVIDUAL DECISION-MAKING FACTORS ON PROJECT FAILURE (F119)
Narasimha Rao Vajjhala and Kenneth David Strang

10:45-12:35 Session FSP 14.4
mLearning in and across formal and informal settings // Other
Chair: Lúcia Pombo

DE-POLARIZING BY COLORING, REASONING BY CURATING (S046)
Tsafri Goldberg, Alan Wecker, Tal Tabach, Joel Lanir and Iris Reinhartz-Berger

MOBILE LEARNING GAMES WITH AUGMENTED REALITY IN A PARK - SYSTEM FOR CLASSIFICATION OF QUESTIONS FOR QUIZ GAME CREATION (F020)
Lúcia Pombo and Margarida M. Marques

DIGITAL SIMULATION GAMES FOR MEDIA EDUCATION. A DIDACTIC SCENARIO (S037)
Jaamin Bastian, Christian Toth and Christina Wolf

THE INFLUENCE OF MOTIVATION AND SELF-REGULATION ABILITY ON STUDENTS’ ONLINE LEARNING SATISFACTION (S044)
Zixian Yu, Hui Zhang, Zhizi Zheng, Yuqin Yang and Qi Li

DESIGNING A READING COMPREHENSION APP USING DESIGN-BASED RESEARCH FRAMEWORK (S022)
Heydy Robles Noriega and Karen Villalba Ramos

12:35 Best Paper Awards Ceremony and Closing Session
Prof. Philip Powell, Miguel Baptista Nunes, Inmaculada Arnedillo Sánchez, Piet Kommers and Pedro Isaías