Program of the MCCSIS 2024
Multi Conference on Computer Science and Information Systems

Conference Sessions:
e-Learning and Digital Learning 2024
ICT, Society and Human Beings 2024
e-Health 2024
Sustainability, Technology and Education 2024
Game and Entertainment Technologies 2024
Interfaces and Human Computer Interaction 2024
Computer Graphics, Visualization, Computer Vision and Image Processing 2024
Connected Smart Cities 2024
Big Data Analytics, Data Mining and Computational Intelligence 2024
Digital Transformation and Innovation Management 2024

Friday 12th July 2024
17:30 – 19:00 Welcome Desk – Room: Venus - only open for check-in and requests for information.

Saturday 13th July 2024
08:00-19:20 Welcome Desk – Room: Venus (closes for lunch 13:00 – 14:20)
09:00 – 09:15 Session O – Opening Session
Room: Panorama
Prof. Pedro Isaias and Paula Miranda

09:25-10:55 Session 13.1
e-Learning Pedagogical Strategies // e-Learning Models
Room: Panorama
Chair: Anna Mavroudi

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Chair: Charoula Angeli

WHEN YOU SAY DISCRIMINATION, DO YOU MEAN...?: COMMUNICATION CHALLENGES AND CROSS-DISCIPLINARY TRANSLATION RISKS IN ARTIFICIAL INTELLIGENCE (ICT - F135)
Hilde G. Corneliusen, Gilda Seddighi and Cheshta Arora

THE SUSTAINABILITY OF SOCIAL NETWORKS: “SMALL-WORLD” NETWORKS AS A MEDIA COUNCIL (ICT - F107)
Gunjidmaa Gongor and Bolormaa Battsoogt

INFORMATION TECHNOLOGIES AT A HIGHER SCHOOL OF REAL ESTATE IN PORTUGAL (ICT - S089)
Teresa Florentino

THE E-MARKETING STRATEGY INFLUENCES A DECISION TO BUY SKINCARE PRODUCTS (ICT - R113)
Supakorn Iamamporn, Pradit Songsangyos and Nuchsharat Nuchprayoon

Emerging Technologies and Disruptive Innovation // Digital Strategy and Leadership
Room: Mercure
Chair: Alexander Baumeister

HOP, SKIP, AND ... JUMP! DIGITAL BUSINESS TRANSFORMATION AND BEHAVIOUR (DTIM - F048)
Nina Evans and Linda Zeelie

LEGAL X-RAY: AN APPROACH TO AUTOMATING INFORMATION EXTRACTION IN PORTUGUESE LEGAL DOCUMENTS (DTIM - F037)
Celso Araujo Fontes

IMPLEMENTATION OF INSTRUCTIONAL DESIGN FOR SELF-PACED LEARNING (DTIM - F086)
Kurt Englmeier

EDUCATION AND TECHNOSCIENCES (DTIM - R034)
Luiz Roberto Alves

RATING UNIVERSITIES IN HONG KONG, MACAO AND SINGAPORE BY GENERATIVE ARTIFICIAL INTELLIGENCE (AI): ARE VARIOUS AI MODELS CONSISTENT? (ELDL - F121)
Victor K. Y. Chan

TAILORING EDUCATION TO DATABASE TRENDS: CHALLENGES IN CURRICULUM DESIGN FOR ADVANCED DATABASE TOPICS (ELDL - F090)
Rosa Maria Reis, Bértul P. Marques and Ricardo Almeida

LEARNING ANALYTICS VISUALISATIONS OF SCHOOL DROPOUT IN VOCATIONAL EDUCATION (ELDL - F114)
Christos Samaras, Anna Mavroudi and Vassilios S. Verykios

Coffee Break

Higher and Further Education // Learning Analytics
Room: Panorama
Chair: Charoula Angeli

A METHOD FOR EMBEDDING BIOMETRIC AND OTHER INFORMATION IN COLOR IMAGES OF FACES (CGVCVIP - F021)
Nazym Kaziyeva, Georgy Kukharev and Kalybek Maulenov

A DEFORMABLE 3D ZEBRAFISH MODEL FOR BRIGHT-FIELD MICROSCOPY IMAGE SIMULATION (CGVCVIP - S044)
Richárd Jámbor and Attila Tanács

A RECEPITIVE ENHANCED BASED MULTI-SCALE FEATURE FUSION NETWORK (CGVCVIP - S054)
Guojun Mao and Xinchao Zhang
11:30-12:50 Session 13.6
Usability // HCI and Design education
Room: Mercure
Chair: Ana Pavani

NATURAL INTERACTION FOR MUSEUM INSTALLATIONS DISPLAYING CULTURAL HERITAGE: A CASE STUDY OF THE RECREATION OF THE TORRE DE LA PARADA (IHCI - F032)
Luis Antonio Hernández-Ibáñez, Viviana Barneche-Naya and Guillermo Franganillo-Parrado
PREVIEWING STEM LEARNERS’ PERFORMANCE IN SERIOUS GAMES FOR COMPUTATIONAL THINKING USING GAME LEARNING ANALYTICS FRAMEWORK (IHCI - F030)
Fatín Nasuha Abdul Razak, Amirrudin Kamsin and Hameedur Rahman
EXPLORING THE BENEFITS OF PHYSICAL FEATURES IN VIRTUAL REALITY ON CUSTOMER EXPERIENCE (IHCI - S042)
Robin Cherix, Maud Julmy, Marine Capallera, Julien Roland and Elena Mugellini

11:40-12:40 Session 13.7
Sustainability and Green IT
Room: Orion
Chair: Andrea Molinari

STUDYING THE ENERGY CONSUMPTION OF INSTAGRAM FUNCTIONALITIES ON PC AND TABLET (STE - F044)
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RESEARCH ON AN ABSORPTION AIR-CONDITIONING SYSTEM MADE FROM SUSTAINABLE MATERIALS (STE - F027)
Yuxian Zhou, Wenquan Wang and Xiwei Li

12:50 – 14:20 Lunch Break

14:20 – 15:25 Session 13.8
Innovations in e-Assessment // Ethical Issues in e-learning
Room: Panorama
Chair: Fabio Roman

TEACHING ACADEMIC WRITING IN THE ERA OF LARGE LANGUAGE MODELS: A CASE STUDY (ELDL - F028)
Andrea Molinari and Elena Molinari
COGNITIVE LOAD MEASUREMENT WITH ELECTROENCEPHALOGRAPHY BASED ON MACHINE LEARNING ALGORITHM (ELDL - S038)
Yi-Hsuan Wang, Hsing-Yi Wu and Chun-Wang Wei
ADAPTING ASSESSMENT DESIGN: NAVIGATING TECHNOLOGICAL ADVANCES AND ACCESS TO INFORMATION (ELDL - R123)
Fran Greyling and Linda van Ryneveld

14:30-16:20 Session 13.9
Artificial Neural Networks and Learning methods
Room: Uranus
Chair: Eduardo Hamuy

STRUCTURAL DAMAGE DETECTION BASED ON HYBRID ALGORITHM WITH SPARSE OBJECTIVE FUNCTION (BigDaCI - F053)
Guangcai Zhang, Wenlong Zhao, Chunfeng Wan, Xiaonan Zhang, Xiujia Liu and Youliang Ding
UNVEILING THE VALUE OF USER REVIEWS ON STEAM: A PREDICTIVE MODELING OF USER ENGAGEMENT APPROACH USING MACHINE LEARNING (BigDaCI - F056)
María Olmedilla, Leonardo Espinosa-Leal, José Carlos Romero-Moreno and Zhen Li
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Gridaphat Sriharee
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Xiaonan Zhang, Youliang Ding and Chunfeng Wan
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Design issues // Tools and technologies
Room: Mercure
Chair: Zhijie Xu

REHASHING STORYTELLING IN THE MOBILE GAME: 'WALKING DEAD MATCH 3 TALES' CASE (GET - F039)
Jaeeun Lee and Soyoun Eom

A PLAYFUL APPROACH TO EXTENDED REALITY GAME DEVELOPMENT BY INTEGRATING TANGIBLE AND VIRTUAL INTERFACES (GET - F052)
Henglin Zhang, Xinyi Wu, Xiaoyang Wu and Ruowei Xiao

EXPLORATORY STUDY ON QUANTIFYING COMPLEXITY IN THE TEMPORAL STRUCTURE OF ELECTROACOUSTIC MUSIC (GET - F036)
Jumpei Hayata, Shingo Honda, Soma Arai, Hidefumi Ohmura and Takuro Shibayama

USER-CENTERED DESIGN OF AN OMNIDIRECTIONAL TREADMILL VIRTUAL REALITY EXERGAME (GET - S043)
Daniel Pilliarn, Vijay Kumar and Ethan Perez

REINFORCEMENT LEARNING TO GENERATE LEVELS FOR DESIRED DIFFICULTY (GET - S031)
Donghyun Lee and Kyoungiu Oh

14:30 – 16:30 Session 13.11
Data and Software Applications in Smart Cities // Security, Privacy and Identity Issues in Smart Cities
Room: Orion
Chair: Vincenzo Gattulli

BEHAVIORAL BASED DECISION-MAKING SCHEME FOR COOPERATIVE CONNECTED AUTOMATED MOBILITY (CSC - F028)
David Yagüe-Cuevas, Pablo Marín-Plaza, María Paz-Sesmero and Araceli Sanchis

REAL-TIME TRAFFIC MONITORING SYSTEM BASED ON COMPUTER VISION AND DEEP-LEARNING (CSC - F026)
Jaime Villa, Arturo de la Escalera and José Mª Armingol

TOURISM SUPPORT SYSTEM TO UTILIZE VIRTUAL REALITY SPACE AND DYNAMIC INFORMATION IN REAL TIME (CSC - F043)
Yuro Koga and Kayoko Yamamoto

A REVIEW ON DATA PROTECTION AND REGULATION IN SMART CITY CONCEPT (CSC - F060)
Andrej Ignjatíc

15:30 – 16:30 Keynote Session
Room: Panorama

GENERATIVE AI: AFFORDANCES AND CHALLENGES FOR EDUCATION
Professor Helen Crompton, Executive Director of the Research Institute of Digital Innovation in Learning (RIDIL), Old Dominion University, USA

16:30-17:00 Coffee Break

17:00 – 19:20 Session 13.12
Pedagogical Models // Learning Theories and Approaches for e-learning // Digital media studies
Room: Panorama
Chair: Linda Van Rynveld

THE OBSTACLES TO DIGITAL TRANSFORMATION AND THEIR IMPACT ON CYBER THREATS IN MOROCCAN HIGHER EDUCATION: A MULTI-CRITERIA APPROACH (ELDL - F135)
Abdelilah Chahid, Souad Ahriz, Kamal El Guemmat and Khalifa Mansouri

DIGITAL FOR WELFARE. STORIES OF “THIRD SECTOR” REALITIES FACING THE CHALLENGES OF DIGITAL TRANSFORMATION (ELDL - F125)
Dalia Gallico

PLAY2ESCAPE - A DIGITAL ESCAPE ROOM: IN MATH CLASSES FOR UNDERGRADUATE TOURISM STUDENTS - CASE STUDY (ELDL - F033)
Sónia Pais, Ana Elisa Sousa and Maria Sofia Lopes

FORMATION OF BACHELOR'S SKILLS IN THE FIELD OF MACHINE LEARNING AND INTELLIGENT DATA ANALYSIS (ELDL - F086)
Marina Lapenok, Sergei Patrushev and Lidiya Shestakova

SHIFTING PERCEPTIONS OF AI: AN INTEGRATED LEARNING PROGRAM IN THE MIDDLE SCHOOL SETTING (ELDL - S102)
Won Jung Kim and Sangjin An
TOPOLOGICAL DATA ANALYSIS FOR SELECTION OF MACHINE LEARNING MODELS IN CEREBRAL STROKE DETECTION (EH - F052)
Aleksandra Vatian, Natalia Gusarovtva, Ivan Tomilov, Vladimir Shilonosov, Julia Valitova, Vladimir Sashin, Maria Bobrova, Stanislav Mashechkov, Tatiana Polevaya and Alexey Zabanenko

USING DESIGN METHODOLOGIES TO EXPLORE A PRE-SURGICAL SYSTEM (EH - F048)
Marko Cigljarev, Yefri Ventura, Christopher Pandolfi, Xavier Massé, Ana Rita Morais and Angela Jerath

MEAL-TAKING ACTIVITY MONITORING IN THE ELDERLY BASED ON SENSOR DATA: COMPARISON OF UNSUPERVISED CLASSIFICATION METHODS (EH - F051)
Abderrahim Derouiche, Damien Brulin, Eric Campo and Antoine Piau

INFORMATION SYSTEM FOR CALCULATING THE HIGHEST ALLOWED WHOLESALE PRICE OF MEDICINAL PRODUCT IN CROATIA (EH - F063)
Maja Fatiga and Sanja Grčić Plečko

AI-ENHANCED ANALYSIS OF BRAIN MORPHOMETRY LINKED TO FACTORS INFLUENCING MENTAL AND NEUROLOGICAL HEALTH OUTCOMES (EH - S046)

EXPLORING EMERGING BUSINESS MODELS FOR ELECTRIFIED MACHINERY (DTIM - F112)
Saeid Heshmatisafa and Marko Seppänen

METAVERSE TECHNOLOGY IN HIGHER EDUCATION: A CONCEPTUAL MODEL (DTIM - F084)
Mutaz M. Al-Debei, Omar Hujran and Hazar Y. Hmoud

EXPLORING CYBERSECURITY MINDSETS: A COMPARATIVE ANALYSIS OF AGE, LEADERSHIP, WORK EXPERIENCE AND EXPERTISE (DTIM - F078)
Gregor Eibl and Olga Litvyak

THE ROLE OF INTERACTIVITY IN VR MARKETING (DTIM - F029)
Hongxiao Yu and Haemoon Oh

DEVELOPMENT OF THE MODEL OF WORKING IN A HYBRID ENVIRONMENT (DTIM - S031)
Pradit Songsangyos, Supakorn Iamamporn and Mesith Chaimanee

HOW TO DESIGN ONLINE STEM COURSES WITH CREATIVE LEARNING
Veronica Ruberti, Lorenzo Benussi, Chiara Ciociola and Flavio Renga, LINKS Foundation, Italy
## Sunday, 14th July 2024

### 08:30-15:30 Welcome Desk - Room: Venus (closes for lunch 13:15 – 14:20)

### 08:55-11:00 Session 14.1
**Affective User-Centred Analysis, Design and Evaluation**

**Room:** Uranus  
**Chair:** Anusuyah Subbarao

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<td>Lisa Graichen and Matthias Graichen</td>
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<td>CLARIFYING DEFINITIONS: A SCOPING REVIEW OF DATA PHYSICALIZATION IN HUMAN-COMPUTER INTERACTION (IHCI - R029)</td>
<td>Giorgia Burzio and Venere Ferraro</td>
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### 08:55-09:55 Session 14.2
**Healthcare Data Architecture Standards**

**Room:** Mercure  
**Chair:** Eric Campo

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**Blended Learning**

**Room:** Orion  
**Chair:** Cathie Norris

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<td>Alice Barana, Giulia Boetti, Antonino Cambria, Marina Marchisio Conte and Enrico Spinello</td>
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<td>DETECTING BLENDED LEARNING, COLLABORATIVE LEARNING AND INTERNATIONALISATION IN MILITARY EDUCATION: A SYSTEMATIC LITERATURE REVIEW (ELDL - F131)</td>
<td>Alice Barana, Giulia Boetti, Antonino Cambria, Marina Marchisio Conte and Enrico Spinello</td>
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### 09:10-11:00 Session 14.4
**Technological Issues**

**Room:** Panorama  
**Chair:** Eduardo Hamuy

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<td>TINKERCAD AS A VIRTUAL LABORATORY (ELDL - F046)</td>
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Room: Mercure

MANAGING HEALTHCARE TRANSFORMATION TOWARDS INTELLIGENT, ETHICAL AND SUSTAINABLE 5P MEDICINE ECOSYSTEMS
Prof. Dr. habil. Bernd Blobel, FACMI, FACHI, FHL7, FEFMI, FIAHSI, Medical Faculty, University of Regensburg, Germany

10:10-11:00 Posters Session
Room: Orion

Chair: Paula Miranda

APPLYING VIRTUAL LEARNING ENVIRONMENTS ASSISTS LANGUAGE LEARNERS TO STUDY ENGLISH (ELDL - P024)
Pei-Lin Liu and Chiu-Jung Chen

DESIGN OF STACKABLE CERTIFICATE COURSE MODULES IN AN ONLINE PROGRAM (ELDL - P025)
Parviz Ghandforoush

LEARNING ANALYTICS WITH MAPPER: INVESTIGATING PARAMETER CONFIGURATION (ELDL - P099)
Hitoshi Inoue, Koichi Yasutake, Osamu Yamakawa, Takahiro Tagawa, Takahiro Samiya and Kiyomi Okamoto

A PRELIMINARY STUDY ON ALLOWING STUDENTS TO MODIFY PARTIAL TEXT OF A PICTURE E-BOOK TO CREATE A NEW STORYLINE FOR ENGLISH LEARNING (ELDL - P105)
Gloria Yi-Ming Kao

USING EYE-GAZE TO EVALUATE E-HEALTH DECISION SUPPORT SYSTEMS (EH - P026)
Elizabeth A. Kruptinski

ENHANCING HEALTH CARE THROUGH REMOTE SERVICES AND INTERACTIVE TECHNOLOGIES (EH - P075)
Siu-Hsuan Lu

HARDWARE SIMULATION IN CYBER RANGES FOR CYBER PHYSICAL SYSTEM SECURITY TRAINING (DTIM - P093)
Lőrinc Thurnay, Oliver Jung and Gregor Ebli

CONTROLLING ANALYTICS IN UNIVERSITY TEACHING (DTIM - P103)
Alexander Baumeister

11:00-11:30 Coffee Break

11:30-12:50 Session 14.5
Distance Learning
Room: Panorama
Chair: Hesham Alomyan

DIGITAL TECHNOLOGIES AND THEIR IMPACT ON METACOGNITIVE ASPECTS IN LEARNING RECOVERY IN SCIENTIFIC AND HUMANISTIC SUBJECTS (ELDL - F128)
Andrea Balbo, Alice Barana, Giulia Boetti, Marina Marchisio Conte and Sara Omegna

GATEWAY TO SUCCESS: IMPROVING ACADEMIC ACHIEVEMENT THROUGH ONLINE MODULES (ELDL - F107)
Linda van Rynveld

COLLABORATIVE ONLINE INTERNATIONAL LEARNING (COIL): SWOT ANALYSIS FROM A TECHNICAL ENGINEERING COURSE PERSPECTIVE (ELDL - S077)
Jaime Garbanzo-Lein, Luis Jorge Gonçalves and Jorge Medina

11:25-12:55 Session 14.6
Globalization and ICT // ICT and Effects on Humans
Room: Uranus
Chair: Kurt Englmeier

THE POTENTIAL OF USING THE BLENDED LEARNING FORMAT IN SOCIAL UNIVERSITIES IN ST. PETERSBURG (ICT - F026)
Olga Ignatjeva, Iuliia Platonova and Alexander Pletnev

THE EFFECTS OF ECONOMIC STATUS ON ACADEMIC ACHIEVEMENT - BASED ON PISA 2018 (ICT - F119)
Kyung Sook Lee

DIGITAL LEGACY IN A DIGITAL WORLD (ICT - F079)
Thomas Keller, Mirella Moser and Hugo Bossi
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<td>Vincenzo Gattulli and Spartaco Paris</td>
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<td>Jelena Duras Gled and Ljerka Luic</td>
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14:20-15:30 Session 14.11
Computer Vision
Room: Orion
Chair: Attila Tanács

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<td>Yajuan Wei, Zhiejie Xu, Chuan Dai and Wanju Zhang</td>
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15:35 – Conference Tour and Dinner

### Monday 15th July 2024

08:30-13:10 Welcome Desk – Room: Venus

08:55-11:00 Session 15.1
e-Health // Mobile Applications
Room: Panorama
Chair: Christian Mata

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<td>Ian Almutawa, Muyeed Ahmed, Iulian Neamtiu and Peter Flis</td>
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<td>MANAGEMENT BY DIGITAL RESPONSIBILITY IN HEALTH ORGANIZATIONS (EH - S031)</td>
<td>Jutta Juliane Meier, Christian Weigand, Jochen Bauer and Björn Eskofter (presented by Silke Weich)</td>
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<td>ADVANCING USER-CENTRIC DESIGN AND TECHNOLOGY ADOPTION FOR AGING POPULATIONS: A MULTIFACETED APPROACH (EH - R056)</td>
<td>Andreea Stamate, Magda Velciu, Cosmina Paul, Luiza Spiru and Mircea Dan Marzan</td>
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09:00-11:00 Session 15.2
Sustainability and Education // Other
Room: Mercure
Chair: Fernando del Ana Gonzalo

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10:00-11:00 Session 15.3
Life role and ICT // Life environment and ICT
Room: Uranus
Chair: Maria Teresa Garcia Florentino

- E-VOTING IN THE LEBANESE PARLIAMENT: AN INVESTIGATIVE STUDY (ICT - F104)
  Bassima Issa and Bassam Hussein
- TECHNOLOGICAL CITIZENSHIP IN THE DIGITAL AGE (ICT - F054)
  Anne Marte Gardenier and Lambèr Royakkers
- IMPACT OF BUSINESS-INTELLIGENCE ON IMPROVING THE ACTIVITIES OF AN NGO SUPPORTING RURAL FARMERS IN LUBUMBASHI (ICT - F108)
  Yann Munganga, Israelé Kayambe, Thierry Ilunga, Cedrick Vumisa and Efrem Mbaki
- DIGITALIZED CITIZENS? A SUCCINCT LITERATURE REVIEW ON CHINA’S SOCIAL CREDIT SYSTEMS (ICT - S022)
  Ariane Ollier-Malaterre

11:00-11:30 Coffee Break

11:30-12:45 Session 15.4
Designing e-Learning Settings
Room: Panorama
Chair: Ariane Ollier-Malaterre

- PARTICIPATORY PROCESSES IN THE CONTEXT OF THE DEVELOPMENT AND IMPLEMENTATION OF (DIGITAL) LEARNING OFFERINGS: A CASE STUDY ON THE SUPPORT OF INTERNSHIP PHASES IN BUSINESS MANAGEMENT STUDIES (ELDL - F095)
  Yvonne Bönninger, Anne Florence Merkle, Elke Mühlitz-Gäller, Gunnar Voß, Beate von Velsen-Zerneck and Michael A. Herzog
- STUDENTS’ PERCEPTION OF INTERNATIONAL COLLABORATION AND CULTURAL UNDERSTANDING IN DIGITALLY DRIVEN EDUCATION (ELDL - F122)
  Marina Marchisio Conte, Fabio Roman, Matteo Sacchet, Enrico Spinello, Anna Mohnär, Shay Attias, Paul Tudorache, Jaroslav Kompan and Andrew Dolan
- ADVANCING EARLY CHILDHOOD EDUCATION: A CONCEPTUAL FRAMEWORK FOR ARTIFICIAL INTELLIGENCE APPLICATIONS IN EARLY CHILDHOOD EDUCATION (ELDL - R139)
  Hesham Alomyan

11:30-12:50 Session 15.5
Data Mining Topics and Applications
Room: Uranus
Chair: Alireza Moghimi

- RESEARCH ON KNOWLEDGE EXTRACTION OF CHINESE SHIP TECHNICAL SPECIFICATION (BigDaCI - F045)
  Kexin Cheng and Zuhua Jiang
- FACE RECOGNITION ATTENDANCE SYSTEM (BigDaCI - F031)
  Zirije Hasan, Jakup Fodaj, Rezart Kallaba, Xhafer Mujë and Endrit Jelliqi
- COMPARATIVE ANALYSIS OF CHANGE DETECTION METHODS IN CYBER-PHYSICAL SYSTEMS (BigDaCI - S030)
  Máté Hékfusz, Vrushali Mahajan, Adolf Kamuzora and Imre Lendák

11:30-12:40 Session 15.6
Sustainable Innovation
Room: Mercure
Chair: Gregor Eibl

- THE ROLE OF DIGITAL TECHNOLOGIES AND STAKEHOLDERS IN PROMOTING BIODIVERSITY (DTIM - F045)
  Mauro Capestro and Stefano Denicolai
- UNLOCKING MENTAL WELLNESS: THE VITAL ROLE OF INSURANCE IN DIGITAL MENTAL HEALTH ENGAGEMENT (DTIM - S073)
  Nasreen Khan, Anusuyah Subbarao, Shereen Khan, Tan Booi Chen and Rahimah Samsudin
- ARTIFICIAL INTELLIGENCE ENABLING CIRCULAR BUSINESS MODELS IN INDUSTRIAL FIRMS (DTIM - S106)
  Rana Mostaghel, Pejvak Oghazi, Alessandra Bagnato, Gunnar Wildorss and Yi Wei

12:50 Best Paper Awards Ceremony and Closing Session
Room: Panorama
Profs. Pedro Isaias and Paula Miranda
You are invited to check the virtual presentations below.

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