

21st International Conference on e-Society 2023
19th International Conference on Mobile Learning 2023

CONFERENCE PROGRAM

Saturday 11th, March 2023

08:30-19:05 Welcome Desk (closes for lunch – 13:00-14:10)
(Room: Eduardo Viana IV - floor 0)

09:40-10:00 Session O – Opening Session
Room: Eduardo Viana II

OPENING SESSION

Profs. Pedro Isaías and Inmaculada Arnedillo Sánchez

10:00-11:00 Session KL – Keynote Presentation
Room: Eduardo Viana II

“GREEN SHOOTS OF HOPE IN MOBILE LEARNING”

Professor Agnes Kukulska Hulme, Institute of Educational Technology (IET), The Open University, UK

11:00-11:30 Coffee Break

11:30-12:50 Session FSP 11.1

Socio-cultural context and implications of mLearning // Pedagogical approaches, models and theories for mLearning

Room: Eduardo Viana I

Chair: Agnes Kukulska Hulme

USING A MOBILE APP TO CREATE RELEVANT AND PARTICIPATORY MUSIC LEARNING SPACES (F036)

Heather J. S. Birch

REMOTE TEACHING DURING THE COVID-19 PANDEMIC: CHALLENGES AND POTENTIALITIES OF USING M-LEARNING IN LITERACY CLASSES IN BRAZIL (F081)

Emely Crystina da Silva Viana, Hélio José Santos Maia, Danielle Alves de Oliveira Tabosa, Daniel Alves da Silva, Fábio Lúcio Lopes Mendonça and Rafael Timóteo de Sousa Júnior

HOW TO CREATE MOBILE LEARNING TECHNOLOGIES: A DESIGN CASE OF AN ONLINE PBL COURSE (S027)

Meina Zhu and Ke Zhang

11:30-13:10 Session FSP 11.2

Big Data

Room: Eduardo Viana III

Chair: Zacharoula Andreopoulou

BD4NRG QUERY ENGINE – INTUITIVE, EFFICIENT AND FEDERATED QUERYING ON BIG DATA (F102)

Konstantinos Touloumis, Evangelos Karakolis, Panagiotis Kapsalis, Vangelis Marinakis and John Psarras

TWINP2G: A DIGITAL TWIN ARCHITECTURE FOR OPTIMAL POWER-TO-GAS PLANNING (F107)

Sotiris Pelekis, Elissaios Sarmas, Anna Georgiadou, Evangelos Karakolis, Christos Ntanos, Nikos Dimitropoulos, Georgios Korpapakis and Haris Doukas

A DATA ACQUISITION FRAMEWORK FOR BUILDING ENERGY MANAGEMENT (S060)

Konstantinos Touloumis, Panagiotis Kapsalis, Elissaios Sarmas, Stathis Stamatopoulos, Vangelis Marinakis and Haris Doukas

DAO IMPLEMENTATION CHALLENGES MODEL IN IRANIAN COMPANIES (S054)

Masoumeh Afsharinezhad and Mohammad Ali Sarlak

13:00-14:10 Lunch Break

14:10-15:10 Session FP 11.3
Pedagogical approaches, models and theories for mLearning
Room: Eduardo Viana I
Chair: Shamsul Arrieya Ariffin

EDU-SOCIAL ALGORITHM: A METHODOLOGICAL MODEL FOR USING SMARTPHONES AND INSTAGRAM IN GENERATION ALPHA'S EDUCATION THROUGH A COMMUNITY OF VIRTUAL PRACTICES (F032)
Alessio Castiglione
GENERATION OF PRODUCTIVE EXPERIENCES IN THE DIGITAL ERA 4.0 (F052)
Sonia Armas-Arias, María Esther Alcántara Gutiérrez and Mireya Ramírez Martínez

14:10-15:10 Session FP 11.4
Digital Transformation // Other
Room: Eduardo Viana III
Chair: Jun Iio

THE I-ENERGY REFERENCE ARCHITECTURE FOR THE PROVISION OF NEXT GENERATION ENERGY SERVICES THROUGH ARTIFICIAL INTELLIGENCE (F124)
Evangelos Karakolis, Sotiris Pelekis, Spiros Mouzakitis, Georgios Kormpakis, Vasilis Michalakopoulos and John Psarras
SMART X: A DESCRIPTION FOR SMART ENVIRONMENTS (F208)
Richard Dabels

15:15-16:15 Session KL2 – Keynote Presentation
Room: Eduardo Viana II

“HEY SIRI, GOOGLE! CAN YOU HELP ME? A QUALITATIVE CASE STUDY OF SMARTPHONES AI FUNCTIONS IN SMES”
Professor Jyoti Choudrie, University of Hertfordshire, Hertfordshire Business School, UK

16:15-16:45 Coffee Break

16:45-18:45 Session FP 11.5
Technology and Society
Room: Eduardo Viana I
Chair: Chinasa Odo

AR-BASED LEARNING RESOURCE: A DIFFERENT WAY TO LEARN DATA-STRUCTURES (F084)
Lázaro Vinicius de Oliveira Lima, Luis Gonzaga Magalhaes, Pedro Rangel Henriques and Alexandre Cardoso
A TECHNOLOGY ACCEPTANCE MODEL ANALYSIS OF METAVERSE TECHNOLOGY IN EDUCATION AND BEHAVIOURAL INTENTION TO USE IT AMONG UNIVERSITY STUDENTS. A COMPARATIVE ANALYSIS OF STUDENTS' BEHAVIOUR IN THE NETHERLANDS AND GREECE (F040)
Nikolaos Misirlis and Yannis Nikolaidis
USER-ADAPTIVE NAVIGATION FOR ELDERLY PEDESTRIANS BASED ON PREFERENCE INFORMATION (F139)
Hiroshi Furukawa and Ryotaro Mine
MULTIDIMENSIONAL DIH4CPS ONTOLOGY (F110)
Damien Nicolas, Christophe Feltus and Djamel Khadraoui

16:45-18:45 Session FDP 11.6
Digital Transformation
Room: Eduardo Viana III
Chair: Noorminshah A. Iahad

ATTITUDES OF LIBRARIANS TOWARDS EMERGING TECHNOLOGIES – EFFECTS OF A MULTILINEAR SCENARIO (F037)
Elke Brucker-Kley, Samuel Keller and Thomas Keller
INVESTIGATING STAFF INFORMATION SECURITY POLICY COMPLIANCE IN ELECTRONIC IDENTITY SYSTEMS –THE GHANAIAN NATIONAL IDENTITY SYSTEM (F191)
Salim Awudu and Sotirios Terzis
COMPARING BARRIERS TO DIGITAL TRANSFORMATION BETWEEN SMALL AND MEDIUM-SIZED AND LARGE ENTERPRISES (F209)
Philip Johannesson, John Sinha, Sven Packmohr and Henning Brink
TOWARDS SUCCESSFUL DIGITAL TRANSFORMATION FRAMEWORK (D131)
Resego Morakanyane

Sunday 12th, March 2023

08:30-15:30 Welcome Desk (closes for lunch – 13:00-14:15)
(Room: Eduardo Viana IV - floor 0)

09:00-11:00 Session FRP 12.1

Tools, technologies and platforms for mLearning // Enabling mLearning technologies, applications and uses

Room: Eduardo Viana I

Chair: Orly Calderon

MATHEMATICAL MOBILE APPS VIA RURAL CASTING (F045)

Ma. Louise Antonette N. De Las Peñas, John Chris T. Kwong, Peter Antonio B. Banzon, Philip A. Martinez, Wilbur Isaac G. Lapada, Julian N. Eballa III, John Emil C. Sebastian, Miguel D. Asido, Jan Daryl M. San Juan, Debbie Marie B. Verzosa, Jumela F. Sarmiento, Agnes D. Garciano, Mark Anthony C. Tolentino, Maria Alva Q. Aberin and Juan Carlo F. Mallari

PRACTICE THROUGH PLAY USING MOBILE TECHNOLOGY (F092)

Agnes D. Garciano, Debbie Marie B. Verzosa, Ma. Louise Antonette N. De Las Peñas, Maria Alva Q. Aberin, Juan Carlo F. Mallari, Jumela F. Sarmiento and Mark Anthony C. Tolentino

WEB VIEWERS FOR EDUCATIONAL VR CONTENTS (F104)

Yoshihiro Okada and Kanami Oki

USABILITY EVALUATION OF MOBILE INTERFACES FOR MATH FORMULA ENTRY (R107)

Yasuyuki Nakamura

PROMOTING STUDENTS' CRITICAL THINKING & PROBLEM SOLVING SKILLS VIA MOBILE-SUPPORTED LABS (F095)

Manolis Kousloglou, Eleni Petridou, Anastasios Molohidis and Euripides Hatzikranielis

08:55-11:00 Session FSP 12.2

Technology and Society // Digital Transformation

Room: Eduardo Viana III

Chair: Salim Awudu

MOTION SIMULATION AND VIRTUAL REALITY IN V-COMMERCE - HOW THE USE OF MOTION SIMULATION AFFECTS CUSTOMER VALUE, PURCHASE INTENTION, AND TRUST IN AUTONOMOUS VEHICLES (F100)

Roger Seiler, Riccardo Fiore and Stefan Koruna

DISRUPTIVE CHALLENGES OF REMOTE WORK IN THE CONTEXT OF E-SOCIETY (S127)

Katarina Šiber Makar, Ivana Ogrizek Biškupić and Mihaela Banek Zorica

CITIZEN SCIENCE AS A SERVICE? A REVIEW OF MULTI-PROJECT CITIZEN SCIENCE PLATFORMS (F085)

Carolin Stein, Alicia Wittmer, Jonas Fegert and Christof Weinhardt

DETERMINATION OF COGNITIVE CRITERIA TO ENHANCE VISUALISATION DURING DESIGN REVIEW SESSION (F214)

Adlin Shaflina Azizo, Kherun Nita Ali, Noorminshah A.Iahad and Chan Vei Siang

THE USE OF MOBILE LEARNING IN THE PROFESSIONAL MASTER'S DEGREE IN CYBERSECURITY (F146)

Tayná Gabriela Araújo Albuquerque, Daniel Alves da Silva, Valéria Cristina Soares Alves, Danielle Alves de Oliveira Tabosa, Fábio Lúcio Lopes de Mendonça and Rafael Timóteo de Sousa Júnior

08:50-09:55 Session FSRP 12.3

eLearning// E-Citizenship and Inclusion

Room: Almada Negreiros I

Chair: Sabina Lissitsa

CITIZEN IDENTIFICATION IN CONTEXT OF ELECTRONIC GOVERNANCE – THE CASE OF MOZAMBIQUE (F042)

Paulo Maculuve and Luis Amaral

CROSS-CULTURAL EDUCATION IN ASIA USING ONLINE COMMUNICATION TOOLS AND THE DIALOGBOOK (S045)

Jun Iio, Shigenori Wakabayashi, Junji Sakurai and Yuya Nakagawa

ITERATIVE DEVELOPMENT OF AN INCLUSIVE LEARNING ENVIRONMENT FOR HUMAN ANATOMY STUDIES: FROM ONLINE ENGAGEMENT WITH 3D MODELS TO VIRTUAL REALITY (R069)

Martine Pellerin and David Vergote

10:00-11:00 Posters Session

Room: Almada Negreiros I

Chair: Inmaculada Arnedillo Sánchez

MOBILE LEARNING AND SIMULATION FOR THE DEVELOPMENT OF HANDS-ON CLINICAL SKILLS (ML_P075)

Krystina Clarke, Andrei Torres, Maria J. P. Peixoto, Bill Kapralos and Adam Dubrowski

EVALUATION OF LINGUISTIC AGGRESSION IN CYBERBULLYING AGAINST WOMEN ON SOCIAL MEDIA IN PUBLIC SECTOR UNIVERSITIES OF PAKISTAN (IS_P078)

Syeda Irsa Batoool and Mahmood Shah

ONLINE APP FOR THE EVALUATION OF CLIMATE CHANGE IMPACT IN URBAN GREEN AREAS (ES_P141)

Zacharoula Andreopoulou, Dimitra Papagiannopoulou and Thekla Tsitsoni

E-LEARNING ACTIVITIES DURING PANDEMIC: PROJECT LIFE CLIVUT(ES_P144)

Thekla Tsitsoni, Dimitra Papagiannopoulou and Zacharoula Andreopoulou

COLLABORATIVE LEARNING IN STEAM TEACHING FOR STUDENTS IN THE CENTRAL AMAZON (ES_P148)

Juliana Gisele Corrêa Rodrigues, Adan Sady de Medeiros Silva and Jucimar Maia da Silva Junior

ONLINE COURSE ON BASIC CONCEPTS OF ROBOTICS AND INDUSTRY 4.0 FOR STUDENTS FROM PUBLIC SCHOOLS IN MANAUS - AMAZONAS (ES_P171)

João Victor Pessoa da Silva and Jucimar Maia da Silva Junior

THE CREATION OF VIDEO CONTENT FOR TEACHING AND LEARNING ABOUT STEAM (ES_P183)

Vinicius Schramm Caldas and Adan Sady de Medeiros Silva

THE PROCESS OF CONTENT PROSPECTION IN STEAM AREAS AIMED AT HIGH SCHOOL STUDENTS (ES_P190)

Beatriz Freitas de Souza and Jucimar Maia da Silva Junior

APPLYING STEAM EDUCATION FOR HIGH SCHOOL STUDENTS ON SOCIAL MEDIA THROUGH GEEK CONTENT (ES_P192)

Andreison Santos da Silva and Adan Sady de Medeiros Silva

11:00-11:30 Coffee Break

11:30-13:00 Session FP 12.4

Innovative mLearning approaches

Room: Eduardo Viana I

Chair: Maria Alva Aberin

VALUE OF A MOBILE GAME-BASED APP TOWARDS EDUCATION FOR SUSTAINABILITY (F029)

Rita Rodrigues, Lúcia Pombo, Margarida M. Marques, Sofia Ribeiro, João Ferreira-Santos and Julia Draghi

TRANSFORMER LANGUAGE MODEL-BASED MOBILE LEARNING SOLUTION FOR HIGHER EDUCATION (F090)

Silvia García-Méndez, Francisco de Arriba-Pérez and Francisco J. González-Castaño

RAISING STUDENTS' AWARENESS ABOUT NATURE CONSERVATION: FROM THE PARK TO THE CITY (F101)

Rita Rodrigues, Lúcia Pombo and Margarida M. Marques

11:30-13:20 Session FSP 12.5

E-Democracy

Room: Eduardo Viana III

Chair: Jonas Fegert

DESIGN PRINCIPLES FOR PUBLIC DELIBERATION SYSTEMS (F048)

Georgia Rokkou, Vassilios Tsakanikas and Vassilios Triantafyllou

TOWARDS INCLUSIVE DIGITAL DEMOCRACY: A CONCEPTUAL FRAMEWORK FOR DIGITAL CITIZEN PARTICIPATION (F198)

Jonas Fegert

OVERCOMING CIRCLE OF POVERTY? HUMAN AND SOCIAL CAPITAL-ENHANCING DIGITAL USES AMONG SINGLE MOTHERS – FINDINGS OF REPEATED CROSS-SECTIONAL STUDY 2014-2019 (F028)

Sabina Lissitsa and Svetlana Chachashvili-Bolotin

CONCEPTUAL MODEL FOR EXAMINING THE CONTINUANCE USAGE INTENTION OF SMART GOVERNMENT SERVICES (S055)

Omar Hujran and Mutaz M. Al-Debei

11:30-13:15 Session FP 12.6

Digital Literacy

Room: Almada Negreiros I

Chair: Darius Zumstein

EDUCATIONAL, SOCIAL AND ETHICAL ASPECTS OF AI IN THE OPINION OF IT AND PEDAGOGY STUDENTS - A CASE STUDY (F207)

Eugenia Smyrnova-Trybulska, Małgorzata Przybyła-Kasperek and Piet Kommers

CONCEPTUALIZING NETWORKED KNOWLEDGE ACTIVITIES: RELATED AND CO-OCCURRING ACTIVITIES IN ONLINE SPACES (F211)

Vanessa Dennen, Dan He, Hui Shi and Dawn Adolphson

FACT CHECKERS IN DEMOCRACY: PERCEPTION OF INDEPENDENT FACT CHECKERS AND NEWS ORGANIZATIONS (F089)

Chang Sup Park

REIMAGINING TEACHING AND LEARNING FOR A NEW ERA: HYBRIDIZATION OF THE TEACHING AND LEARNING MODALITIES IN THE K-12 EDUCATIONAL CONTEXT (R087)

Martine Pellerin

13:00-14:15 Lunch Break

14:15-14:55 Session SP 12.7

eHealth

Room: Almada Negreiros I

Chair: Omar Hujran

CYBERPHARMACY: A FUTURE PLATFORM OF SERIOUS GAMES FOR HEALTHCARE (S147)

Yong-Young Kim

DICOM METADATA - A USEFUL RESOURCE FOR BIG DATA ANALYTICS (S025)

Francisco Maestre, Ana Paula Sorrell, Christian Mata and Miguel Cabrer

14:15-15:15 Seminar

Room: Eduardo Viana III

THE EDITORS SESSIONS

Associate Professor Mahmood Shah

15:30 – Conference Tour and Dinner

Monday 13th, March 2023

08:15-13:15 Welcome Desk

(Room: Eduardo Viana IV - floor 0)

09:15-11:00 Session FP 13.1

User Studies in mLearning

Room: Eduardo Viana I

Chair: Silvia García-Méndez

RESEARCH ON THE ATTITUDES OF HIGH SCHOOL STUDENTS FOR THE APPLICATION OF ARTIFICIAL INTELLIGENCE IN EDUCATION (F020)

Vladislav Slavov, Kamelia Yotovska and Asya Asenova

FRAMEWORK OF BEST PRACTICES FOR UNIVERSITY STUDENTS' MOBILE LEARNING IN STEM SUBJECTS (F061)

Shamsul Arrieya Ariffin

TECHNOLOGY IN THE PERCEPTION OF ENGLISH TEACHERS IN SOUTHERN BRAZIL SCHOOLS (F108)

Paula Behenck Machado, Patricia Jantsch Fiuza and Graziela Fátima Giacomazzo

STUDY OF THE CORRECTIVE GRAMMATICAL TREATMENT OF ENGLISH SUPPORTED BY MOBILE APPLICATIONS (F058)

Adriana Guanuche, Osana Eiriz and Roberto Espi

08:30-11:00 Session FP 13.2

eBusiness / eCommerce

Room: Eduardo Viana III

Chair: Shubhamoy Dey

TECHNOLOGY READINESS OF INSURANCE SERVICES: A CASE STUDY OF NEPAL (F122)

Sushant Subedi, Aayush Dip Giri, Saugat Adhikari and Sushil Shrestha

AUGMENTED REALITY IN FASHION E-COMMERCE (F068)

Lisa Hilpert and Darius Zumstein

TRANSPARENCY IN INFORMATION MARKETS (F150)

Daphne Ruth Raban and Efrat Marmur

AN EMPIRICAL STUDY OF CUSTOMER SATISFACTION AND LOYALTY IN B2C E-COMMERCE AMONG INDIAN YOUTHS (F103)

Bussu Srikar Reddy, Sumanth Cholleti, Sriram Kalpathy Viswanathan and Asish Oommen Mathew

EXAMINING CUSTOMER SATISFACTION AND BRAND LOYALTY OF GENERATION Z CUSTOMERS IN OTT MEDIA SERVICES (F104)

Pratik Kumar and Asish Oommen Mathew

11:00-11:30 Coffee Break

11:30-12:50 Session FSP 13.3

Strategies and challenges for integrating mLearning in broader educational scenarios

Room: Eduardo Viana I

Chair: Heather J. S. Birch

GES APP – SUPPORTING GLOBAL EMPLOYABILITY SKILLS FROM THE PERSPECTIVES OF STUDENTS, STAFF AND EMPLOYERS (F100)

Sobah Abbas Petersen, Maria Iqbal, Alan Williams and Gavin Baxter

PANDEMIC-DRIVEN MOBILITY IN HIGHER EDUCATION: THE GOOD, THE BAD AND THE USEFUL (F080)

Orly Calderon, Susan Penque, David Luhr, Caryn Nahum and Lauren Scardigno

ZOOM APPLICATION FOR ONLINE LANGUAGE LEARNING (S050)

Charito Ong and Grace Pimentel

11:30-12:40 Session FSP 13.4

Human Computer Interaction // Information Search and Retrieval

Room: Eduardo Viana III

Chair: Thekla Tsitsoni

CROWDFUNDING SCIENTIFIC RESEARCH: A CASE STUDY BASED ON USER RESEARCH (F117)

Chinasa Odo, Stefano De Paoli, Paula Forbes and Andreea Oniga

EMOTIONAL EVALUATION OF MOVIE POSTERS (S046)

Takashi Hanagaki and Jun Iio

ROLE OF NAMED ENTITIES IN UNDERSTANDING SEMANTIC SIMILARITY OF ENGLISH TEXT (S195)

Sumit Kumar and Shubhamoy Dey

13:05 Best Paper Awards Ceremony and Closing Session

Room: Eduardo Viana II

Profs. Pedro Isaías and Inmaculada Arnedillo Sánchez