16th IADIS International Conference Information Systems 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. Philip Powell and Pedro Isaías

10:00-11:00 Session KL1 – 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

11:30-14:10 Session FP 11.1
IS Learning and Teaching
Room: Eduardo Viana II
Chair: Markus Westner

TEACHING COMPUTER LITERACY IN A HIGHER EDUCATION: DETERMINING NEED AND CONTENT (F138)
Kobus van Aswegen and Estelle Taylor

THE INCREASING IMPORTANCE OF NATURAL LANGUAGE INTERACTION IN THE DESIGN OF INTELLIGENT TUTORING SYSTEMS (F144)
Kurt Englmeier

LESSONS LEARNT FROM AN ONLINE PILOT STUDY ABOUT STRATEGIC ALIGNMENT AT A HIGHER EDUCATION INSTITUTION (F083)
Thokozani Kachale, Weggene Demeke, Christos Chrysoulas and Imed Romdhani

13:00-14:10 Lunch Break

14:10-15:10 Session FP 11.2
IS in Practice, Technology Infrastructures and Organisational Processes // IS Management
Room: Eduardo Viana II
Chair: Mahmood Hussain Shah

AGENT-BASED MODEL FOR THE CONTROL AND MONITORING OF KPI IN A CURRICULUM: CIVIL ENGINEERING DEGREE IN INFORMATION TECHNOLOGY (F054)
Marcos Leivano and Billy Peralta

DIGITAL SHADOW SUPPORTED BY AUGMENTED REALITY AND CLOUD FOR THE MONITORING OF AN INDUSTRIAL PROCESS (F074)
Erick Criollo, Gustavo Caiza and William Oñate

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
AUTOMOBILE SALES FORECAST USING SOCIAL LISTENING AND CONDITIONS TO FORECAST SALES (F109)
Hisaki Goto and Yukiko Goto

INFORMATION MANAGEMENT IN CARBON EMISSIONS QUANTIFICATION (F033)
Lai Ke En, Nafisah Abdul Rahman and Kherun Nita Ali

THE TAXONOMICAL DISTINCTION BETWEEN THE CONCEPTS OF SMALL DATA AND BIG DATA (F096)
Wandisa Nyikana and Tikoriyama

S-ISFMF: SOCIAL NETWORK AND IMAGE SHAPE FEATURE MATRIX FACTORIZATION (F039)
Takeya Yamada, Mingtian Guo and Ryosuke Saya

POTENTIAL OF GAMIFICATION FOR ENVIRONMENTAL MANAGEMENT TRAINING IN THE CONSTRUCTION INDUSTRY (S079)
Insyirah Abd Razak, Nafisah Abdul Rahman and Norrasam Othman

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 FP 12.1
IS Management // Agile Methodologies
Room: Eduardo Viana II
Chair: Estelle Taylor

UNDERSTANDING HYBRID AGILE APPROACH: A CONCEPTUAL FRAMEWORK (F094)
Majid Alsubaie and Hamed Sarbazhosseini

DATA GOVERNANCE, ENTERPRISE ARCHITECTURE AND ENTERPRISE AGILITY (F046)
Tarek Kaddoumi and Torben Tambo

AN EXPERT VIEW ON CHALLENGES IN MANAGING IT COSTS IN THE DIGITAL AGE (F105)
Constance Riedinger and Melanie Huber

SOCIAL NETWORKING SITES USE CONTINUANCE IN ORGANIZATIONS: INSIGHTS FROM A SUB-SAHARAN AFRICAN COUNTRY (F025)
Bangaly Kabay

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. Pescoto, 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 Iraa 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 Tzitsoni

E-LEARNING ACTIVITIES DURING PANDEMIC: PROJECT LIFE CLIVUT (ES_P144)
Thekla Tzitsoni, Dimitra Papagiannopoulou and Zacharoula Andreopoulou

COLLABORATIVE LEARNING IN STEAM TEACHING FOR STUDENTS IN THE CENTRAL AMAZON (ES_P148)
Juliana Giseler 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)
Vincius 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
13:00-14:15 Lunch Break

14:15-15:15 Session FP 12.3
IS Management
Room: Eduardo Viana II
Chair: Torben Tambo
- CUSTOMER SWITCHING: A REVIEW OF THE LITERATURE (F132)
  Kamel Rouibah
- OMNICHANNEL ADOPTION IN HEALTH INFORMATION SYSTEMS FOR PATIENT FOLLOW-UP (F040)
  Ailton Moreira and Manuel Filipe Santos

14:15-15:05 Session FSP 12.4
IS Learning and Teaching
Room: Eduardo Viana I
Chair: Anand Sheombar
- STAKEHOLDERS FEEDBACK ON THE INDUSTRY-ACADEMIA GAP (F069)
  Sebongile Mazibuko and Estelle Taylor
- LEVERAGING PYTHON IN INFORMATION SYSTEMS COURSES (S141)
  Ray Kresman

14:15-15:15 Seminar
Room: Eduardo Viana III
THE EDITORS SESSIONS
Associate Professor Mahmood Shah

15:30 – Conference Tour and Dinner
Monday 13\textsuperscript{th}, March 2023

08:15-13:15 Welcome Desk
(Room: Eduardo Viana IV - floor 0)

09:00-11:00 Session FSP 13.1
The centrality of IS and IT in Organisational Processes // IS and Organisation Development // Information Management
Room: Eduardo Viana II
Chair: Estelle Taylor

| SOFTWARE EFFORT ESTIMATION WITH METAHEURISTIC OPTIMIZED ENSEMBLE FOR SOFTWARE CROWDSOURCING (F023) |
| Anum Yasmin and Wasi Haider Butt |
| VIRTUAL FEEDBACK, A POWERFUL LEVER IN TEAMS: A SYSTEMATIC LITERATURE REVIEW (F116) |
| Luisa Koloch, Paul Goldmann and Björn Schäfer |
| ORGANISATION AND IMPLEMENTATION OF WELFARE TECHNOLOGY - AN INTERVIEW STUDY IN SWEDEN AND NORWAY (S131) |
| Ann Svensson, Camilla Gjellebæk and Selma Kylén |
| DEEP LEARNING-BASED APPROACH FOR JAPANESE KEYPHRASE GENERATION (S140) |
| Padipat Sitkrongwong, Nakarin Sritrakool, Phannakan Tengkiattrakul, Pongsakorn Jirachanchaisiri and Atsuhiro Takasu |

11:00-11:30 Coffee Break

11:30-13:00 Session FP 13.2
Ethical, social, privacy, security and moral issues in an e-society // Design and Development Methodologies and Frameworks
Room: Eduardo Viana II
Chair: Ann Svensson

| TOWARDS ACTIONABLE INFORMATION SYSTEM ETHICS: REQUIREMENTS ANALYSIS AND NON-MALEFICENCE (F092) |
| Dimitrius Keykaun |
| IT-COMPLIANCE IN SME - A METHOD FOR THE ADAPTED USE OF FRAMEWORKS (F107) |
| Nico Deisler |
| BUSINESS PROCESSES MANAGEMENT AND RESPONSIBLE USE OF BIG DATA (F127) |
| Galena Pisoni and Bálint Molnár |

13:05 Best Paper Awards Ceremony and Closing Session
Room: Eduardo Viana II

| Profs. Philip Powell and Pedro Isaías |