

18th IADIS International Conference Information Systems 2025

23rd International Conference e-Society 2025

CONFERENCE PROGRAM

Saturday 1st, March 2025

08:20-19:15 Welcome Desk (*Room: Selvagens IV - closes for lunch – 13:00-14:15*)

09:45 -10:00 Session O – Opening Session

Room: Selvagens I

OPENING SESSION

Profs. Pedro Isaías and Philip Powell

10:00-11:00 Session KL I – Keynote Presentation

Room: Selvagens I

“SOCIAL LEARNING WITH GENERATIVE AI”

Professor Mike Sharples, Emeritus Professor of Educational Technology, Institute of Educational Technology, The Open University, UK

11:00-11:30 Coffee Break (*Foyer*)

11:30-13:15 Session 1.1

Educational Systems Design // Virtual Learning Environments // Gamification

Room: Selvagens I

Chair: Ameema Miftha

VIRTUAL REALITY TO FACILITATE EXPERIENTIAL LEARNING IN COMPUTER SCIENCE (F048)

Thomas Schmidt and Thomas Karintholil

IDRIS – IMPLEMENTATION AND MANAGEMENT OF AN OPEN-SOURCE VIRTUALIZATION PLATFORM FOR DIGITAL TEACHING AT A UNIVERSITY – CASE STUDY (F096)

Fulya Ay, Markus Grüne and Pascal Hauch

STUDENTS ON LEARNING EMOTIONAL INTELLIGENCE TECHNIQUES VIA ICT AND GAMIFICATION:

SOME OF THE FINDINGS OF THE POL-COM PROJECT (F105)

Vaiva Zuzeviciute, Dileta Jatautaite and Edita Butrime

A BRIEF REFLECTION ON THE CONVERGENCE BETWEEN GAMING AND GAMBLING (R134)

Joan Arnedo-Moreno, Joan Josep Pons, Daniel Aranda and Alexandra Samper-Martínez

11:30-13:00 Session 1.2

The centrality of IS and IT in Organisational Processes // IS Design, Development and Management Issues and Methodologies

Room: Selvagens III

Chair: Laurence Brooks

EXAMINING CRITICAL FACTORS IN FCA-SAPO FRAMEWORK: A QUALITATIVE AND QUANTITATIVE STUDY ON THE ADOPTION OF FOG COMPUTING IN SAUDI ARABIAN PUBLIC ORGANISATIONS BY IT EMPLOYEES (F090)

Mohammed Alyami, Natalia Beloff and Martin White

AI INTEGRATION IN SMART FACTORIES: A SYSTEMATIC REVIEW OF SUCCESS FACTORS AND CHALLENGES IN OPERATIONAL EFFICIENCY AND WORKFORCE DEVELOPMENT (F157)

Ammaarah Omar and Lizette Weilbach

FROM CATALOGUES TO E-COMMERCE: UNDERSTANDING PROCUREMENT IN DAYCARE CENTERS (F175)

Marcel Patalon, Christian Paul and Peter Weber

13:00-14:15 Lunch Break (*Restaurant Oceano – 2nd Floor*)

14:15-15:15 Session KL II – Keynote Presentation

Room: Selvagens I

“ETHICAL CHALLENGES OF AI”

Professor Laurence Brooks, Information School, University of Sheffield, UK

15:20-16:20 Session 1.3

IS and SMEs

Room: Selvagens I

Chair: Tero Vartiainen

DRIVING INNOVATION THROUGH CUSTOM SOFTWARE ADOPTION IN SME: A CASE STUDY IN THE CONSTRUCTION INDUSTRY (F154)

Antonio Miloso, Marco De Marco, Paolo Fantozzi, Luigi Laura and Marco Parrillo

BLOCKCHAIN DIGITAL TWIN TO MODELING DATA CENTER (F047)

Marta Chinnici, Davide De Chiara, Marco Antonini, Guido Guarnieri, Giuseppe Santomauro, Francesco Genovese, Giovanni Ponti and Luigi Telesca

15:20-16:10 Session 1.4

Intelligent Systems // IS Security Issues

Room: Selvagens III

Chair: Christos Ntanos

TECHNICAL GUIDE TO SUPPORT THE DEVELOPMENT OF SECURE RESTFUL APIS (F135)

Pedro Pita and Luís Bruno

OBSERVING THE IMPACT OF AI IN THE PROGRESS OF THE SUSTAINABLE DEVELOPMENT GOAL 11 (S036)

Joao Pita Costa, Leonardo Barrionuevo and Maša Kovič Dine

16:15-16:45 Coffee Break (Foyer)

16:45-18:20 Session 1.5

IS Research

Room: Selvagens I

Chair: Lene Nielsen

TOWARDS THE AUTOMATION OF DATA SPACE PRODUCTS THROUGH QUALITY DATA PIPELINES (F125)

Asier Garcia-Perez, Raúl Miñón, Josu Diaz-De-Arcaya, Ana I. Torre-Bastida, Kosmas Tsiakas, Dimitrios Giakoumis and Ekaitz Zulueta-Guerrero

DIGITAL ECOSYSTEMS – NEW OPPORTUNITIES FOR DECISION SUPPORT SYSTEMS (F134)

Christer Carlsson and Pirkko Walden

AI IN INFORMATION PROCESSING FOR DECISION MAKING – PERCEPTIONS AND USE INTENTION OF UK MANAGERS (S083)

Yanqing Duan, Guangming Cao, Mark Xu, Vincent Ong and Christian Dietzmann

LEVERAGING BEHAVIOUR SEQUENCE ANALYSIS (BSA) IN INFORMATION SYSTEMS: EXAMINING MALICIOUS INSIDER THREAT AS AN EXAMPLE (R190)

Monica T. Whitty

16:45-18:55 Session 1.6

Information Management // Knowledge Management

Room: Selvagens III

Chair: Markus Gruene

OBIA: THE BRAZILIAN AI OBSERVATORY TOWARDS SUSTAINABLE DEVELOPMENT, GOVERNANCE AND POLICY-MAKING (F091)

Cristina Godoy Oliveira, Tiago Augustini de Lima, Alexandre Barbosa, Joao Paulo Candia Vieira, Luiz Costa and Joao Pita Costa

READY, SET, KNOW: THE RELATIONSHIP BETWEEN ACTUAL AND PERCEIVED KNOWLEDGE OF CYBERCRIME AND THE INTENTIONS TO ENGAGE IN SELF-PROTECTIVE BEHAVIOUR (F029)

Kimberly Bluhm, Steven Watson, Jurjen Jansen and Iris van Sintemaartensdijk

ADVERSARIAL MACHINE LEARNING IN ELECTRICAL POWER AND ENERGY SYSTEMS: A SURVEY (F081)

Sotiris Pelekis, Thanos Koutroubas, Afroditi Blika, Evangelos Karakolis, Christos Ntanos and Dimitris Askounis

E-SUPPLY CHAIN MAPPING: ILLUMINATING THE NETWORK’S CYBER PHYSICAL RISKS (S034)

Sandor Boysson

IMPLICATIONS OF CYBER-STALKING LAW ON MALE VICTIMS: EVALUATING THE SOCIOLOGICAL PERSPECTIVE (S075)

Ameema Miftha, Marc Conrad and Marcia Gibson

Sunday 2nd, March 2025

08:15-15:30 Welcome Desk (*Room: Selvagens IV - closes for lunch – 13:00-14:15*)

08:30-09:55 Session 2.1

eHealth

Room: Selvagens II

Chair: Andrej Jerman Blazic

CHALLENGES CONCERNING THE DESIGN OF A NEW BEST PRACTICE USING VIDEO CONFERENCING IN DISCHARGE PLANNING (F043)

Malin Hofflander and Lina Nilsson

OPPORTUNITIES AND CHALLENGES IN USING LARGE LANGUAGE MODELS AND GENERATIVE AI FOR ICD CLINICAL CODING (S099)

Alberto Freitas, Fernando Lopes and João Vasco Santos

WEB3-BASED E-HEALTH: SECURITY AND PRIVACY CHALLENGES AND SOLUTIONS (S106)

Vladimir Oleshchuk

INCREASING THERAPY ADHERENCE THROUGH EMOTIONALIZATION (R028)

Mirella Moser and Thomas Keller

09:10-11:00 Session 2.2

IS Design, Development and Management Issues and Methodologies

Room: Selvagens III

Chair: Christer Carlsson

ANALYSIS OF THE MODELING PHASE IN THE OSEMN METHODOLOGY (F181)

Ketjona Shameti and Betim Çiço

A GENERAL METHODOLOGY ENABLING DATA ANALYSIS OF CORPORATION CAREERS (F071)

Yinglei Han, Dario Colazzo and François-Xavier Dudouet

MM4PV: A METHOD TO DESIGN BUSINESS PROCESS VERSIONS (F095)

Fatma Ellouze, Mohamed Amine Chaabane, Eric Andonoff and Rafik Bouaziz

THE DESIGN OF NON-HUMAN PERSONAS (S032)

Lene Nielsen and Rike Neuhoff

09:20-11:00 Session 2.3

Digital Transformation // Business Ontologies and Models

Room: Selvagens I

Chair: Thomas Schmidt

DIGITAL PLATFORMS AND MENTAL HEALTH: UTILITY AND USABILITY ASSESSMENT OF THE SKYE PLATFORM (F046)

Rebeca Mendes, Ana Veloso, David Sena, Diogo Guerra, Rodrigo Teixeira and Salvador Luís

THE ROLE OF INTELLECTUAL PROPERTY IN DRIVING BUSINESS SUCCESS FOR PROPTECH COMPANIES IN THE 4TH AND 5TH INDUSTRIAL REVOLUTIONS (D060)

Marijana Ribičić

UNDERSTANDING THE ROADBLOCKS: INVESTIGATING THE BARRIERS TO OPEN BANKING ADOPTION IN THE PHILIPPINES (S021)

Jinky T. Dela Torre and Ma. Rowena R. Caguiat

DEVELOPMENT OF TRANSITIONAL BUSINESS MODEL FOR SMALL BUSINESSES: A RESPONSE TO ERA OF CONVERGENCE OR COVID-19? (S052)

Marko Budler and Katerina Božič

10:00-11:00 Posters Session (All conferences)

Room: Selvagens II

Chair: Inmaculada Arnedillo Sánchez

DEVELOPMENT AND TRANSFORMATION OF ONLINE ART EDUCATION IN JAPAN (ML_P091)

Atsumi Ide

STUDENTS VIEWS TOWARDS THE ADOPTION OF MOBILE COMPUTER SUPPORTED COLLABORATIVE LEARNING IN RESOURCE-CONSTRAINED NATIONS (ML_P119)

Ugochi Ukamaka Ugwu, Natasha Anne Rappa and Kok Wai Wong

MICROCREDENTIALS FOR MICROCOMPETENCES IN EDUCATION (ICEDUTECH_P061)

Vlado Stankovski

THE BIRTH OF THE DIGITAL IMAGE: HOW IS TRUTH BEING CREATED ON THE INTERNET? (ICEDUTECH_P079)

Petra Kočková, Kristýna Kiliánová and Kateřina Kostolányová

CYBER PHYSICAL SYSTEM SECURITY ROADMAP FOR CRITICAL INFRASTRUCTURES (IS_P167)

Mike Mekkanen, Tero Vartiainen, Chen-Wei Yang and Valeriy Vyatkin

MODELLING RESPIRATORY INFECTIONS IN KHARKIV REGION (UKRAINE) UNDER THE CONFLICT (ES_P116)

Dmytro Chumachenko, Sergiy Yakovlev, Alexander Kirpich, Lyudmila Kirichenko, Pavel Skums, Gerardo Chowell and Tetyana Chumachenko

OPTIMIZATION OF MOBILE MEDICAL SERVICE LOCATIONS BASED ON PREDICTIVE ANALYTICS IN CRISIS SCENARIOS (ES_P119)

Sergiy Yakovlev, Lyudmyla Kirichenko, Olha Matsyi, Alexander Kirpich and Dmytro Chumachenko

11:00-11:30 Coffee Break (*Foyer*)

11:30-13:10 Session 2.4

Information Systems

Room: Selvagens I

Chair: Sandor Boyson

CHESS AND MUSIC: QUANTITATIVE AND ARTISTIC INTERPRETATION OF INFORMATION (S136)

Victor Zheng

SIMULATION OF WI-FI AND TV WHITESPACES TECHNOLOGIES FOR A RURAL CONNECTION TOWARDS COST EVALUATIONS: A NAMIBIAN CASE (F085)

Ronald Karon, Nomusa Dlodlo and Alfredo Terzoli

TECHNO-ECONOMIC ANALYSIS OF POWER-TO-GAS AND FUEL CELL SYSTEM INTEGRATION IN SOLAR-DIESEL NETWORKS (F092)

Eugenia Skepetari, Sotiris Pelekis, Hercules Koutalidis, Christos Ntanos, Alexandros M. Tzortzis, Ariadni Michalitsi-Psarrou and Dimitris Askounis

CONTINUOUS LEARNING OF BIG DATA ANALYTICS OF EMPLOYEES: INTEGRATING UTAUT AND SITUATED EXPECTANCY-VALUE BELIEFS (S113)

Seula Lee, Hyewon Lee and Youngsang Cho

11:30-12:50 Session 2.5

IS Professional Issues

Room: Selvagens III

Chair: Marta Chinnici

A SHIP CURVED BLOCK PRODUCTION SCHEDULING METHOD BASED ON ADAPTIVE MESH AND AABB - SAT COLLISION DETECTION (F149)

Shaozi Chen, Yongjun Ji and Zuhua Jiang

X PLATFORM SHARING BEHAVIOR AND MINOR SAFETY INCIDENTS: A DESIGN EFFORT TO LEVERAGE THE POWER OF THE CROWD (F188)

Mashaël Yousef Almoqbel

INFORMATION SYSTEM FOR REAL-TIME COLLECTION, SHARING AND UTILIZATION OF DISASTER INFORMATION (S043)

Toshihiro Osaragi and Ikki Niwa

11:30-13:00 Tutorial

Room: Selvagens II

EXPANDING YOUR RESEARCH WITH TEXT MINING AND TOPIC MODELLING (T177)

Azar Shahgholian and Eyyüb Can Odacıoğlu

13:00-14:15 Lunch Break (*Restaurant Oceano – 2nd Floor*)

14:15-15:15 Session 2.6

Technology and Society

Room: Selvagens I

Chair: Daniel Aranda

PUBLIC ATTITUDES TOWARD PARTICIPATING IN DISCUSSIONS ON ARTIFICIAL INTELLIGENCE: BEFORE AND AFTER CHATGPT (F090)

Yukiko Maruyama

POWER WHEELCHAIR VIRTUAL REALITY SIMULATOR (F022)

Thomas Keller, Davide Miceli and Andreas Illenberger

14:15-15:15 Session 2.7

IS in Practice, Technology Infrastructures and Organisational Processes // Information Management

Room: Selvagens III

Chair: Yanqing Duan

GREEN INFORMATION TECHNOLOGY: A KNOWLEDGE MANAGEMENT APPROACH TO ORGANIZATIONAL SUSTAINABILITY (F079)

Hanlie Smuts

ELEMENTS OF DIGITAL ACCESSIBILITY ON THE .HR DOMAIN (F050)

Anja Labak and Tomislav Jakopec

15:30 – Conference Tour and Dinner (*Meeting Point – Foyer*)

Monday 3rd, March 2025

08:20-13:10 Welcome Desk (Room: Selvagens IV)

08:40-11:00 Session 3.1

eLearning

Room: Selvagens I

Chair: Sabina Lissitsa

THE FIRST HARDWARE CIRCUIT EMULATING ITALIAN ROAD HOMICIDES LEGAL LOGIC, DAJE! (F087)
Grazia Garzo and Alessandro Palumbo

NAVIGATING THE FUTURE OF EDUCATION: EDUCATORS' INSIGHTS ON AI INTEGRATION AND CHALLENGES IN GREECE, HUNGARY, LATVIA, IRELAND AND ARMENIA (F018)
Evangelia Daskalaki, Katerina Psaroudaki and Paraskevi Fragopoulou

DIGIUP: A GAME-BASED APPROACH FOR IMPROVING DIGITAL COMPETENCIES FOR OLDER PEOPLE (F086)
Andrej Jerman Blažič and Tanja Pavleska

DIGITAL TEACHING AND LEARNING ENVIRONMENTS – LESSONS LEARNED FROM MULTIPLE PROJECTS AT A UNIVERSITY – CASE STUDY (F065)
Markus Grüne and Fulya Ay

GAVIN: TOWARDS GDPR-COMPLIANT BLOCKCHAIN-BASED ACADEMIC CERTIFICATION (S025)
Luis Anido-Rifón, Christian Delgado-von-Eitzen, Manuel J. Fernández-Iglesias, María Ruiz-Molina, Pablo Molina-Martínez, Martín Llamas-Nistal and Fernando A. Mikic-Fonte

09:10-11:00 Session 3.2

IS Management // IS and Organisation Development

Room: Selvagens III

Chair: Azar Shahgholian

AI-DRIVEN DIGITAL TRANSFORMATION: THE NEW INSIGHTS IN AI ADOPTION MODELS (F193)
Leila Gluszk

ENHANCING SCREEN READER USABILITY: APPLYING USER EXPERIENCE PRINCIPLES FOR IMPROVED ACCESSIBILITY (F064)
Solett Smuts and Hanlie Smuts

A METHOD TO IDENTIFY MISALIGNMENTS OF BUSINESS MODELS AND BUSINESS PROCESSES (F085)
Philipp Url, Wolfgang Vorraber and Siegfried Vössner

HUMAN-AI INTERACTION IN DECISION-MAKING: A SYSTEMATIC LITERATURE REVIEW AND FUTURE DIRECTIONS (S086)
Zhe Zhu and Tero Vartiainen

11:00-11:30 Coffee Break (Foyer)

11:30-12:50 Session 3.3

Digital inclusion

Room: Selvagens I

Chair: Evangelia Daskalak

INTERNET SERVICE AVAILABILITY IN HIGH INCIDENCE OF POVERTY: GAPS AND OPPORTUNITIES (F050)
Ma. Rowena R. Caguiat and Victorino T. Tolosa II

INTERGROUP DYNAMICS IN VIRTUAL REALITY: OBSERVING IN-GROUP PREFERENCES AND INTERGROUP COOPERATION IN A MULTIUSER SOCIAL VR IMMERSIVE ENVIRONMENT (F124)
Timor Schwartz Miler and Nili Steinfeld

PERCEIVED EMPLOYABILITY IN AN AI-DRIVEN WORLD: LIFELONG LEARNING FOR GENERATIONS X, Y AND Z (S053)
Sabina Lissitsa and Chen Sabag-Ben Porat

11:30-12:50 Session 3.4

IS Learning and Teaching

Room: Selvagens III

Chair: Hanlie Smuts

SYSTEMATIC REVIEW OF IOT TECHNOLOGICAL INTEGRATION APPROACHES INTO PERSONALIZED ONLINE LEARNING (F124)
Edlir Spaho and Betim Çiço

E-LEARNING FOR MICRO-ENTERPRISES: NEW SWISS FEDERAL ACT ON DATA PROTECTION (F060)
Ilya Misyura, Bettina Schneider and Melanie Bühlmann

PATTERNS OF DEMAND FOR IS TEACHING PROVISION IN TELEMEDICINE: EDUCATIONAL CHALLENGES AND OPPORTUNITIES (S051)
Martin Zagar, Vladimir Mozetic, Marija Banac and Alan Mutka

13:00 Best Paper Awards Ceremony and Closing Session

Room: Selvagens I

Prof. Pedro Isatas and Philip Powell

You are invited to check the virtual presentations below.

Video Presentations

Online: Youtube

[APPLYING GPT-4O AND PROMPT ENGINEERING IN AUTOMATED FINANCIAL SURVEYS AND FINANCIAL ADVICE \(F082\)](#)

Senye Pan

[TOWARDS UNDERSTANDING THE IMPACT OF REPORTING REQUIREMENTS ON IS-ENABLED DYNAMIC CAPABILITIES FOR SUSTAINABILITY \(F092\)](#)

Philipp Staudt and Marie-Claude Boudreau

[ANALYSIS OF THE IMPACT OF BLOCKCHAIN TECHNOLOGY ON THE PERFORMANCE OF AN E-VOTING APPLICATION \(F104\)](#)

Sandra Melovic, Darko Stefanovic, Dusanka Dakic and Teodora Vuckovic

[THE IMPACT OF USING STATIC CODE ANALYSIS TOOLS ON THE PERFORMANCE OF STUDENT PROJECTS DURING THE EDUCATIONAL CYCLE \(F107\)](#)

Marko Staka, Sara Kijanovic, Danilo Nikolic, Darko Stefanovic and Dusanka Dakic

[CASE STUDY OF A PORTUGUESE MUNICIPALITY IN A POST-CYBERATTACK CONTEXT \(S114\)](#)

Patrícia Leite, Margarida Antunes, Isabel Ferreira, Sandro Carvalho and Paulo Teixeira

[EXPLORING CHALLENGES AND SUCCESS FACTORS IN ERP SYSTEMS IMPLEMENTATION — A SYSTEMATIC LITERATURE REVIEW \(F140\)](#)

Aleksandra Hornjak, Teodora Vuckovic and Darko Stefanovic

[OVERVIEW OF RECOMMENDER SYSTEMS: APPROACHES, APPLICATIONS AND CHALLENGES \(S160\)](#)

Majda El Hassani, Loubna El Faquih and Nadia Machkour

[DEVELOPING ORGANISATIONAL SECURITY CULTURE FRAMEWORK FOR NAMIBIAN PUBLIC ENTERPRISES \(S171\)](#)

Hileni Ihambo, Fungai Bhunu Shava and Gabriel Tuhafeni Nhinda

[AFFORDANCES IN ACTION UP TO USER NEEDS: READING DESIGN-ORIENTED SOCIOLOGY IN THE DESIGN OF A RELATIONAL TRUSTWORTHY GOVERNABLE PLATFORM \(S173\)](#)

Gianni Jacucci

[A HYBRID APPROACH INTEGRATING REINFORCEMENT AND SUPERVISED LEARNING FOR INTRUSION DETECTION \(F186\)](#)

Souad Derbali, Khaled Jouini, Farah Jemili and Ouajdi Korbaa

[THE IMPACT OF DIGITAL TRANSFORMATION ON ORGANIZATIONAL CULTURE AND BUSINESS: VIEWS OF MANAGERS AND EMPLOYEES \(F107\)](#)

Dijana Vuković, Tanja Grmuša and Goran Luburić