24th International Conference e-Society 2026

19th IADIS International Conference Information Systems 2026

CONFERENCE PROGRAM

<mark>Saturday 7th, March 2026</mark>

08:30-15:30 Welcome Desk *(closes for lunch – 13:00-14:15)*
Room: Ban Mazuranic - 1st Floor

09:40 -10:00 Session O – Opening Session
Room: Ban Jelacic - 1st Floor

OPENING SESSION   *Profs. Philip Powell and Pedro Isaias*

10:00-11:00 Session KL1 – Keynote Presentation
Room Ban Jelacic - 1st Floor

"EDTECH AT THE CROSSROADS: DOES TECHNOLOGY REALLY SUPPORT LEARNING, OR DOES PROFIT OVERRULE RIGHTS?"   *Professor Sonia Livingstone, Department of Media and Communications, The London School of Economics and Political Science, UK*

11:00-11:30 Coffee Break

11:30-13:00 Session 7.1
Digital Transformation
Room: Ban Jelacic - 1st Floor
Chair: Luís Conceição

REVISITING THE STATE-OF-THE-ART IN ENTERPRISE ARCHITECTURE – A SYSTEMATIC LITERATURE REVIEW (F030)   *Tural Ahmadli and Ralf Plattfaut*   **A CONCEPTUAL FRAMEWORK FOR OPTIMAL WORK FROM HOME THROUGH DIGITAL MATURITY (F167)**   *Maphuto Matsau, Marié Hattingh and Hanlie Smuts*   **TECHNO-REGULATORY GAPS IN AI-DRIVEN 6G NETWORK SLICING AND SPECTRUM MANAGEMENT (F168)**   *Nina Rechberger*

11:30-12:30 Session 7.2
IS and SMEs
Room: Ban Zrinski - 1st Floor
Chair: Fernando Buarque de Lima Neto

A DATA LITERACY JOURNEY FOR SOUTH AFRICAN SMALL AND MEDIUM ENTERPRISES (F135)   *Kakale Ndwapi and Adriana Aletta Steyn*   **AI INTEGRATION IN SMES – CHANGE MANAGEMENT IN BETWEEN EFFICIENCY, HUMAN-CENTEREDNESS, INNOVATION AND CONTROL (F029)**   *Julia Bosbach, Christoph Lattemann and Maximilian Helms*

13:00-14:15 Lunch Break

14:15-15:15 Doctoral Session
Technology and Society
Room: Ban Jelacic - 1st Floor
Chair: Philip Powel

GENDER INEQUALITY IN CYBERSPACE: CHALLENGES AND POLICY RESPONSES IN THE EUROPEAN UNION (D082)
Dorina Anna Tóth
THE EXPANSION OF E-GOVERNMENT IN THE MODERN WORLD – WITH SPECIAL REGARD TO THE EMERGENCE OF ESG CONSIDERATIONS (D084)
Nikolett Anna Nagy

15:30 – Social Event (meeting point at the hotel lobby)

08:30-19:10 Welcome Desk Welcome Desk *(closes for lunch – 13:00-14:00)*
Room: Ban Mazuranic - 1st Floor

08:40-09:55 Session 8.1
New Media and E-Society
Room: Ban Zrinski - 1st Floor
Chair: Thomas Keller

THE TRANSITION FROM TRADITIONAL ADVERTISING TO ONLINE ADVERTISING. THE ROLE OF INFLUENCERS IN PUBLICITY (F044) *Claudiu Coman, Raluca-Maria Şerbănescu and Cosmina Puzdrea* **GAMIFICATION IN THE AGE OF AI: SURVEYING PLAYER PERCEPTIONS OF MOTIVATION, MANIPULATION AND DATA PROTECTION (F120)** *Kurt Horvath and Tom Tucek* **GENERATIVE ARTIFICIAL INTELLIGENCE AND EDUCATIONAL DIVIDE: A CRITICAL REFLECTION (R136)** *Marco Lazzari*

09:00-09:55 Posters Session
Room: Ban Jelacic - 1st Floor
Chair: Philip Powel

FROM LOCKDOWN TO LIFELONG LESSONS: COVID-19, MENTAL HEALTH AND UNEXPECTED DIGITAL TRANSFORMATION OF ELITE SPORT (P080) *Lekgobo Masake and Tshepang Tshube* **CHALLENGES AND CONSIDERATIONS REGARDING PATIENT CONSENT METHODS UNDER JAPAN'S NEXT GENERATION MEDICAL INFRASTRUCTURE ACT (P089)** *Mayumi Yoshida, Ryuichi Yamamoto and Katsuya Tanaka* **AN INVESTIGATION INTO ATTITUDES AND AWARENESS TOWARD EVERYDAY EXPOSURE TO INFORMATION (P151)** *Yukiko Maruyama* **LEVERAGING DEEP LEARNING AND STATISTICAL MODELING FOR TOURISM INTELLIGENCE: A COMPARATIVE STUDY OF BERT AND LEXICON-BASED APPROACHES (P171)** *Georgia Papoutsi, Panagiota I. Kontou, Spiros Georgakopoulos, Evaggelos Spyrou and Stavros Karkanis* **PERSONA-GUIDED AND DIRECTION-AWARE PERSONALIZED TRIP PLANNING (P183)** *Thodoris Psallidas, Sotiria Angelitsi, Ioannis Vernikos, Pavlina Nikolakoudi, Evaggelos Spyrou, Stravros Karkanis and Dionysios Kehagias* **HYBRID SWARM METAHEURISTICS FOR SPATIAL DECISION SUPPORT IN INFORMATION SYSTEMS (P128)** *Sergiy Yakovlev, Liudmyla Kirichenko, Olha Matsyi and Dmytro Chumachenko*

10:00-11:00 Session KL2 – Keynote Presentation
Room Ban Jelacic - 1st Floor

"REFLECTIONS ON 20 YEARS OF RESEARCH ON TRUST IN THE DIGITAL ERA" *Professor Niki Panteli, Professor of Digital Business at Lancaster University Management School, UK*

11:00-11:30 Coffee Break

11:30-13:05 Session 8.2
Information Systems
Room Ban Jelacic - 1st Floor
Chair: Marco Lazzari

DESIGN OF A DIGITAL ASSISTANT FOR ENHANCING SECURITY AND PRIVACY AWARENESS ASSURING COMPLIANCE WITH EU REGULATIONS (F021) *Michael Psallidas and Christos Kalloniatis* **INTEGRATING A RECOMMENDATION SERVICE INTO A GAMIFIED TOURISM XR PLATFORM (F088)** *Patrícia Alves, Joana Neto, Mafalda Ricca, Luís Conceição and Goreti Marreiros* **BEYOND BINARIZATION: A MORPHOLOGICAL MASKED RECONSTRUCTION PIPELINE FOR THE RESTORATION OF 14TH -CENTURY MANUSCRIPTS (S112)** *Sohail Maqsood, Yahya Momtaz, Lorenza Laccetti and Guido Russo* **DDOS ATTACKS AND THE USE OF ENTROPY IN ATTACK DETECTION (R055)** *Ilija Bašičević, Miroslav Popović and Mirko Sužnjević*

11:30-12:50 Session 8.3
Design Research and the Sciences of the Artificial in IS
Room: Ban Zrinski - 1ˢᵗ Floor
Chair: Hanlie Smuts

A METADATA-GUIDED MULTI-LLM METHOD FOR DATABASE TABLE IDENTIFICATION AND SELECTION FOR SUPPORTING NON-TECHNICAL DATABASE USERS (F095)
Allan Lima, Samuel Silva, Rui Pontes, Denis Martins, André Firmo and Fernando Buarque de Lima Neto
YOLO ALGORITHM FOR BOUNDING BOX DETECTION, SEGMENTATION AND BINARY CLASSIFICATION OF C. ELEGANS CULTURES (S064)
Matheus de Araujo Padilha, André Caetano Alves Firmo, Fernando Buarque de Lima Neto and Ricardo Ataíde de Lima
THE EMPATHY ILLUSION: ANTHROPOMORPHISM AND INFLUENCE IN AI-DRIVEN PERSUASION (R140)
Kristian Stoffregen
FUNDAMENTAL CHALLENGES FOR DESIGN SCIENCE RESEARCH (R160)
Jeffrey Parsons

11:30-12:50 Session 8.4
eLearning
Room: Stradun III - Mezzanine
Chair: Janet Liebenberg

THE EVOLUTION OF REQUIREMENTS IN IMMERSIVE XR APPLICATIONS FOR VOCATIONAL AND PROFESSIONAL EDUCATION: A COMPARATIVE CASE STUDY (F016)
Thomas Keller and Elke Brucker-Kley
FROM IDK TO ASAP: ABBREVIATION-DRIVEN DIGITAL LANGUAGE AND INTERCULTURAL COMMUNICATION IN POST-COVID EUROPEAN HIGHER EDUCATION (F024)
Iulia Para and Mihaela-Elisabeta Proteasa-Popuţa
WORK-IN-PROGRESS: STRESS RESILIENCE SIMULATOR FOR HEALTHCARE ASSISTANTS (S047)
Katja Fraedrich, Mirella Moser and Thomas Keller

13:00-14:15 Lunch Break

14:05-16:15 Session 8.5
Information Management // eGovernment Management
Room Ban Jelacic - 1ˢᵗ Floor
Chair: Ameema Miftha

SHAIRLY AND THE TEAM: A SCIENTIFIC FAIRY TALE ABOUT DESIGN PRINCIPLES AND ORGANIZATIONAL CULTURE IN HUMAN-AI COLLABORATION (F062)
Marcel Sieber
A COMPARISON OF MODEL-BASED AND EXPLANATION-BASED FEATURE IMPORTANCE ESTIMATION FOR URL PHISHING DETECTION (F131)
Ammara Zamir and Claudio Lucchese
FOSTERING LOCAL RESILIENCE THROUGH E-GOVERNMENT: A QUANTITATIVE APPRAISAL IN PORTUGUESE MUNICIPALITIES (F081)
Joana Costa
THE ROLE AND INTERNATIONAL APPLICABILITY OF A WIDE-AREA DISASTER VICTIM DATABASE: LESSONS ON EX ANTE DISASTER RISK REDUCTION AND STANDARDIZATION FROM THE 2024 NOTO PENINSULA EARTHQUAKE (S138)
Hiroaki Hamana
QUANTIFYING DIGITAL INTELLIGENCE: AN INFO-METRICS APPROACH TO MEASURING HUMAN–AI INTERACTION (S114)
Ljerka Luic, Marijana Roncevic and Maja Barbic

14:00-16:20 Session 8.6
IS Research // Ethical, Social, Privacy, Security and Moral Issues in an E-Society // Other
Room: Ban Zrinski - 1st Floor
Chair: Fernando Buarque de Lima Neto

ETHICAL IMPLICATIONS OF ARTIFICIAL INTELLIGENCE IN HEALTHCARE (F081)
Neo Molepo and Funmi Adebesin
DECONSTRUCTING THE 'AI' MEME: BEYOND HYPE, FEAR AND DIGITAL TRANSFORMATION (F167)
Leslie P. Willcocks, Wendy L. Currie and Jonathan J. M. Seddon
EXPLORING HOW DEVOPS PRACTICES ENABLE BUSINESS VALUE CREATION IN AGILE ORGANIZATIONS (F037)
Mikhail David Edwards and Hanlie Smuts
HIGH-RESOLUTION ESTIMATION OF URBAN HUMAN MOBILITY THROUGH MULTI-SOURCE DATA INTEGRATION (S026)
Toshihiro Osaragi
ELECTRONIC SEALS AS A KEY MECHANISM FOR LEGAL CERTAINTY AND AUTHENTICITY IN AI-GENERATED DIGITAL MARKETING (R137)
Milen Gospodinov
CITATION INEQUITY IN THE AGE OF AI: RISKS AND GAPS IN CURRENT RESEARCH (R168)
Mohammad Ausaaf Nasir and Molnar Balint

14:45-16:15 Session 8.7
Knowledge Management // Innovation and Knowledge Management
Room: Stradun III - Mezzanine
Chair: Jeffrey Parsons

GEMR:KG - GLOBAL EMERGING MARKET RISK KNOWLEDGE GRAPH (F147)
Adishesh Gonibeed Ravishankar, Hitesh Kolluru, Likitha Sathvik Potineni, Lalitha Shreya Vanam, Hemakshi Pandey and Srividya K. Bansal
FROM INTERPRETABILITY TO ERROR DIAGNOSTICS: SHAP-BASED RISK ANALYSIS FOR SHORT-TERM ELECTRICITY LOAD FORECASTING (F171)
Alketa Hyso and Dezdemona Gjylapi
CLASSIFYING CELL-CYCLE PHASE FROM SCHI-C DATA WITH STATISTICAL FEATURES AND IMPLICIT NEURAL REPRESENTATIONS (F151)
Kaumudi Gulbarga, Srividya K. Bansal and Ajay Bansal

16:15-16:45 Coffee Break

16:45-19:05 Session 8.8
Technology and Society
Room Ban Jelacic - 1st Floor
Chair: Marcel Sieber

READY OR NOT? SELF-PERCEIVED DIGITAL LITERACY AND UNIVERSITY PREPAREDNESS AMONG HISTORICALLY DISADVANTAGED LEARNERS IN SOUTH AFRICA (F086)
Janet Liebenberg
HOW WE CAN USE MACHINE LEARNING ALGORITHMS TO PREVENT CYBER STALKING? A REVIEW OF AVAILABLE EMPIRICAL EVIDENCES AND THE TECHNOLOGY (F115)
Ameema Miftha, Marc Conrad and Marcia Gibson
THE FUTURE OF CUSTOMER CARE IN THE AI AGE: CURRENT PERCEPTIONS AND FUTURE EXPECTATIONS (F172)
Marita Skjuve, Knut Kvaale, Anna Grøndahl Larsen, Asbjørn Følstad and Nena van As
DESIGN ASPECTS FOR EFFECTIVE INTERGROUP INTERACTION IN SOCIAL VIRTUAL REALITY: BRIDGING MINORITY-MAJORITY DIVIDES (F027)
Nili Steinfeld and Timor Schwartz-Miller
ELFIN - AN ONTOLOGY-BASED HEALTH RECORD FOR THE FRACTURE LIAISON SERVICE (S134)
Naveed Dogar, John Chelsom, Stephanie Cabrera and Muhammad Kassim Javaid

---

16:45-18:35 Session 8.9
IS Learning and Teaching
Room: Ban Zrinski - 1st Floor
Chair: Toshihiro Osaragi

EXPERIENTIAL LEARNING FRAMEWORK FOR TEACHING REQUIREMENTS ELICITATION (F127)
Marcos Lévano and Billy Peralta
WHEN CHALK MEETS CODE: UNDERSTANDING THE CORE COMPONENTS OF COMPUTER-INTEGRATED EDUCATION ENVIRONMENTS F069)
Corlia Smuts and Machdel Matthee
BEYOND THE ILLUSION: DEEPFAKES, TRUST AND CREDENTIAL INTEGRITY IN MICRO-CREDENTIALS (F144)
Oyena Mahlasela and Adriana Aletta Steyn
USE OF THE MOODLE LMS AS A CO-REGULATORY RESOURCE IN PROMOTING SELF-REGULATED LEARNING IN HIGHER EDUCATION (S142)
Marco A. G. Carvalho, Viviane Chulek, Camila A. Fior, Adriane M. S. Pelissoni, Marilda A. D. Graciola and Soely A. J. Polydoro

16:45-18:45 Session 8.10
Design and Development Methodologies and Frameworks
Room: Stradun III - Mezzanine
Chair: Wendy Currie

THE HEART OF THE FRAMEWORK: MAPPING WHAT MAKES HUMAN-CENTRED AI TRULY HUMAN-CENTRED (F040)
Cindy van den Berg and Hanlie Smuts
COMPETENCY FRAMEWORK FOR BORN GLOBAL ENTREPRENEURS (F073)
Philip Klinger, Jan M. Pawlowski and Sinung Suakanto
DYNCOMM: A TOOL FOR GENERATING E-COMMERCE WEBSITES AND DYNAMIC SALES PROMOTIONS (F174)
Nataša Rajtarov, Igor Dejanović and Gordana Milosavljević
DEVELOPING A MATURITY MODEL FOR BORN GLOBAL ENTERPRISES (F079)
Tolga Yilmaz, Jan M. Pawlowski and Sinung Suakanto

08:30-13:10 Welcome Desk
Room: Ban Mazuranic - 1st Floor

08:45-11:00 Session 9.1
IS in Practice, Technology Infrastructures and Organisational Processes
Room: Ban Zrinski - 1st Floor
Chair: Nataša Rajtarov

INFRASTRUCTURE VULNERABILITIES OF LARGE-SCALE AI DATA CENTERS IMPACTING ORGANIZATIONAL SUSTAINABILITY GOALS (F041)
Thashan Naick and Hanlie Smuts
THE IMPLEMENTATION OF GREEN INFORMATION TECHNOLOGY STRATEGIES THAT PROMOTE OPERATIONAL EFFICIENCY AND CONTRIBUTE TO ENVIRONMENTAL SUSTAINABILITY (F045)
Josh Warren and Hanlie Smuts
BEYOND JOB LOSS: MAPPING AUTOMATION ANXIETY ACROSS FIVE ERAS OF COMPUTING (F158)
Wendy L. Currie, Jonathan J. M. Seddon and Leslie P. Willcocks
ACQUISITION OF CHARACTERISTIC INTERVAL GRAPH PATTERNS USING EVOLUTIONARY LEARNING (F165)
Shuichiro Yamamoto, Wataru Komatsu, Tetsuhiro Miyahara, Yusuke Suzuki, Takayoshi Shoudai, Tomoyuki Uchida and Tetsuji Kuboyama
SMART SUSTAINABLE CITIES AND COMMUNITIES FOR PEOPLE: A PATHWAY TO A RESILIENT FUTURE (R022)
M. Irfanullah Arfeen, Demetrios Sarantis, Ahmed Mujtaba, Muhammad Danish, Jawad Naseeb, Paras Brohi and Noor ul Ain

---

09:00-11:00 Session 9.2
eGovernment /eGovernance
Room Ban Jelacic - 1st Floor
Chair: Joana Costa

EMPIRICAL CALIBRATION AND VALIDATION OF A REWARDING MECHANISM FOR E-DELIBERATION SYSTEMS: EVIDENCE FROM CONTROLLED EXPERIMENTS (F119)
Vassilis Tsakanikas and Vassilis Triantafyllou
THE PREPAREDNESS PARADOX IN THE DIGITAL AGE: PUBLIC PERCEPTION, INFORMATION SEEKING BEHAVIOR AND DISASTER READINESS IN GREECE (F117)
Vasilis Kanellopoulos, Vassilis Triantafyllou, Constantinos Koutsojannis and Efthymis Lekkas
BLOCKCHAIN AND LOCAL TRANSFORMATION: THE CASE OF FUNDÃO IN THE BLOCKCHAIN.PT AGENDA (F071)
Rita Santos, Joana Almeida, Catarina Marques, Mariana Salvado and Filipa Pires
THE ROLE OF CITIZEN IDENTIFICATION FOR HUMAN RIGHTS PROTECTION – INFORMATION SYSTEMS VIEWS - THE CASE OF MOZAMBIQUE (F078)
Paulo Maculuve and Luis Amaral

11:00-11:30 Coffee Break

11:30-12:30 Session 9.3
eLearning
Room Ban Jelacic - 1st Floor
Chair: Bertil P. Marques

BUILDING AN INNOVATIVE UNIVERSITY CULTURE: HOW TEACHING DESIGN THINKING RESULTED IN IDEAS FOR DIGITAL SOLUTIONS (F109)
Ljerka Luic, Martina Baricevic Debelec and Matija Kucic
A COMPARATIVE STUDY OF PRIVACY SETTINGS IN E-LEARNING SYSTEMS (F033)
Marija Kuštelega and Renata Mekovec

11:30-13:00 Session 9.4
IS Design, Development and Management Issues and Methodologies
Room: Ban Zrinski - 1st Floor
Chair: Jonathan J. M. Seddon

INTEGRATING DIMENSION REDUCTION AND FEATURE SELECTION IN MACHINE LEARNING FOR SUSTAINABLE FOREST MONITORING BY COMBINING LIDAR AND SENTINEL-2 TIME SERIES DATA (F106)
Rim Douss and Imed Riadh Farah
EXPLAINABLE AI-ENABLED INFORMATION SYSTEM FOR BRAIN TUMOUR DETECTION AND FUNCTIONAL RISK AWARENESS (F130)
Marcos Lévano, Ignacio Ringler and Billy Peralta
COORDINATION IN DISTRIBUTED SOFTWARE DEVELOPMENT (DSD) USING SCRUM: A QUALITATIVE ANALYSIS OF MITIGATION MECHANISMS IN A CASE STUDY (F182)
Mariana Vieira Apolinário de Souza and Pedro Isaias

13:00 Best Paper Awards Ceremony and Closing Session
Room Ban Jelacic - 1st Floor

Prof. Philip Powell and Pedro Isaias

You are invited to check the virtual presentations below.

Video Presentations
Online: Youtube

ARTIFICIAL INTELLIGENCE (AI) LITERACY AMONG SENIOR CITIZENS (ES_P028)
Mor Deshen, Ruben Harari and Noa Aharony

GAMIFICATION, AI AND ACCESSIBILITY IN EDUCATION: TOWARDS ADAPTIVE AND INCLUSIVE LEARNING SYSTEMS (ES_F029)
Aikaterini-Georgia Mavroeidi and Christos Kalloniatis

SOCIAL MEDIA FOR MENTAL HEALTH: INFORMATIONAL, SOCIAL AND EMOTIONAL SUPPORT IN ADHD FACEBOOK COMMUNITIES (ES_F051)
Michal Isser and Tali Gazit

UH AI IN HIGHER EDUCATION (ES_S060)
Bat-Erdene Batsukh and Lkhamsuren Gankhuyag

EMOTIONAL WELL-BEING OF FIRST-YEAR UNIVERSITY STUDENTS (ES_F121)
Erzana Gehringer, Alma Halimi and Dalina Ismaili

PREDICTING RISK GROUP MEMBERSHIP AMONG SWISS APPRENTICES THROUGH PSYCHOSOCIAL INDICATORS (ES_F126)
Filip Drmic, Monyrak Kim and Thomas Keller

AGENTIC DECOMPOSITION FOR RELIABLE LONG-HORIZON AI PLANNING IN COMPETITIVE ENVIRONMENTS (ES_F128)
Karan Allagh, Raz Saremi and Adam Rigby

VIRTUAL LABORATORIES IN UKRAINIAN SECONDARY EDUCATION: IMPLEMENTATION MODELS AND TEACHER BARRIERS IN A MARTYR STATE (ES_F152)
Svitlana Skvortsova, Tetyana Symonenko, Kira Hnezdilova and Natalia Molodcha

AUTOMATED ASSESSMENT AND PEER EVALUATION OF UNIVERSITY STUDENTS USING ARTIFICIAL INTELLIGENCE TOOLS (ES_F155)
Svitlana Skvortsova, Tetiana Symonenko, Kira Hnezdilova and Kateryna Niedialkova

AN AFFORDABLE INFORMATION SYSTEM FRAMEWORK FOR AI-ENABLED PREDICTIVE MAINTENANCE IN SMES THROUGH MICROSERVICES AND EDGE–CLOUD ARCHITECTURES (IS_F061)
Mentor Arifaj and Isak Shabani

A VARK LEARNING STYLE-BASED RECOMMENDATION SYSTEM FOR ADAPTIVE E-LEARNING - MAIN STUDY (IS_F113)
Fares Abomelha and Paul Newbury

FROM DIGITAL TRANSFORMATION TO SUSTAINABLE TRANSFORMATION: THE ROLE OF INNOVATION CULTURE AND SOCIAL RESPONSIBILITY (IS_F116)
Tanja Grmuša, Goran Luburić and Dijana Vuković

DESIGNING FOR INTERPRETATION UNCERTAINTY: ARCHITECTURE AND PRINCIPLES FOR TOPOLOGICAL LEARNING ANALYTICS DASHBOARDS (IS_S133)
Hitoshi Inoue and Koichi Yasutake

GENERATIVE AI FOR MICROENTERPRISES: A PROCESS MODEL FOR GROWTH (IS_F136)
Derya Ipek Eroglu, Mehruz Kamal and Marcus L. Green

A SOCIETAL PERSPECTIVE OF GEN AI: A STUDY FROM SOCIAL MEDIA (IS_F157)
Prithvi Bhattacharya

AHWF: A DESIGN THEORY OF COMPLETION FOR SOCIALLY USEFUL INFORMATION SYSTEMS (IS_F180)
Mario Bonatti, Mike Martin and Gianni Jacucci