

ISD 2022 1st Conference Day

31 August

Online participants will access the sessions as Breakout Rooms via Zoom link (distributed via e-mail)

All physical session rooms are on floor 1 in FSEGA campus (Faculty of Economics and Business Administration, Str. Teodor Mihali 58-60, Cluj-Napoca 400591)

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|-------|---|---|---|
| 9:00 | Conference Opening and Welcome by Hosts - ROOM 118 | | |
| 9:30 | Keynote: OMiLAB - the role of model-driven Digital Innovation in Information Systems development , Dimitris Karagiannis (University of Vienna) - ROOM 118 | | |
| 10:30 | Coffee Break / Switching Rooms - 1st floor hallway | | |
| 11:00 | Tutorial: Introduction to the Bee-Up research & education support tool for Conceptual Modeling , Robert Buchmann (Babeş-Bolyai University), Wilfrid Utz (OMiLAB NPO), Patrik Burzynski (OMiLAB NPO) - ROOM 118 | | |
| 12:00 | Lunch Break - FSEGA cafeteria (basement) | | |
| 13:00 | SESSION A: IS Development and Operations (Chair: A. R. da Silva) - ROOM 118 | SESSION B: Knowledge Science (Chair: M. Pawlicki) - ROOM 102 | SESSION C: Vision papers & Poster presentations (Chair: G. Silaghi) - ROOM 109 |
| | 1. <i>Police Interventions as a Context-aware System. A Case of a Contextual Data Modelling</i> Klimek, R. FULL | 1. <i>Learning Decision Rules from Sets of Decision Trees</i> Moshkov, M., Zielosko, B., Teiko Tetteh, E., Glid, A. SHORT | 1. <i>Applications of AI Alignment and Anticipatory Networks to Designing Industrial Risk Management Decision Support Systems</i> , Skulimowski, A., tydek, P. |
| | 2. <i>Towards a Modeling Method for Managing Node.js Projects and Dependencies</i> Lixandru, B., Buchmann, R. A., Ghiran, A. M. FULL | 2. <i>Relevance Judgment Convergence Degree – A Measure of Inconsistency among Assessors for Information Retrieval</i> Zhu, D., Nimmagadda, Sh. L., Wong, K. W., Reiners, T. FULL | 2. <i>Multi-Layer Perceptron Regressor for Ranking Prediction in Information Systems for Sustainability Assessment</i> , Watróbski, J., Baczkiewicz, A., Rudawska, I. |
| | 3. <i>Quality 4.0 in Enterprise Architecture Development</i> Pańkowska, M. SHORT | 3. <i>Study on the Twoing Criterion with Pre-pruning and Bagging Method for Dispersed Data</i> Przybyła-Kasperek, M., Aning, S. FULL | 3. <i>Epidemic Risk Models on Graphs with Fuzzy Edges</i> , Darida, S. |
| | | 4. <i>Performance of Multi-Clustering Recommender System after Selection of Clusters based on V-Measures</i> Kuźelewska, U. SHORT | 4. <i>Time Series Classification Using Images</i> Homenda, W., Jastrzebska, A., Wrzesien, M. |
| | | | 5. <i>Towards Modelling the Success Determinants of International Research Proposals</i> , Krzyżek-Liburska, S., Paliwoda-Pękosz, G. |
| | | | 6. <i>User Experience Modeling Method for a Vision of Knowledge Graph-based Process Automation</i> , Uifălean, Ș., Ghiran, A. M., Buchmann, R. A. |
| 14:30 | Coffee Break / Switching Rooms - 1st floor hallway | | |
| 15:00 | SESSION D: IS Development and Operations (Chair: E. Infran) - ROOM 118 | SESSION E: Knowledge Science (Chair: N. Ben Yahia) - ROOM 102 | SESSION F: Vision papers & Poster presentations (Chair: M. Pankowska) - ROOM 109 |
| | 1. <i>Designing a Tool for Measuring IT Process Maturity in an Agile Development Context</i> Johansson, B., Jaadla, H. FULL | 1. <i>Supervised Identification of Writer's Native Language Based on Their English Word Usage</i> Jastrzebska, A., Homenda, W. FULL | 1. <i>Students' Usability Evaluation of the FGPE Gamified Programming Learning Environment</i> , Swacha, J., Miernik, F., Ignasiak, M. S., Montella, R., De Vita, C. G., Mellone, G., Queirós, R., Paiva, J. C., Leal, J. P., Kosta, S. |
| | 2. <i>Semantic Bridging between Conceptual Modeling Standards and Agile Software Projects Conceptualizations</i> Florut, C.I., Buchmann, R. A. FULL | 2. <i>Maestro: An Extensible General-Purpose Data Gathering and Classification Platform</i> Magalhães Serra, A., da Silva, A. R., Estima, J. SHORT | 2. <i>Informing Robotic Process Automation (RPA) by Analysing Human Users' Problem-solving Strategies</i> , Matu, S., Gălățanu, N. |
| | 3. <i>Digital Transformation in Public Organisations: IT Alignment-Related Success Factors</i> Jonathan, G. M., Rusu, L., Perjons, E. FULL | 3. <i>The Conditions for Repository Knowledge Management System Success in New Product Development</i> Haug, A. FULL | 3. <i>A Suite of Modelling Tools for Developing Cyber-Physical Systems and Digital Twins Implementations</i> , Chiș, A., Ghiran, A. M. |
| | | 4. <i>From BPMN Models to Labelled Property Graphs</i> Uifălean, Ș., Ghiran, A. M., Buchmann, R. A. FULL | 4. <i>A Model-driven and Tool-supported Proposal for Defining Automatic Clinical Practice Guidelines</i> , Enamorado-Díaz, E., García García, J. A., de la Riva, C., Ruiz, M. |
| | | | 5. <i>Conceptual Model of a Federated Data Lake</i> , Guimarães, P., Almeida, M., Oliveira, M., Rodrigues, D., Barbosa, P., Barros, D., Ribeiro, J., Santos, M. Y. |
| | | | 6. <i>A Concept for Extending the Spotify Organisational Model to Cater for Platform Organisations</i> , Langerman, J., Marnewick, C. |
| 16:45 | Coffee Break / Switching Rooms - 1st floor hallway | | |
| 19:00 | Welcome Reception (Restaurant Casa Universitarilor) | | |

ISD 2022 2nd Conference Day

1 September

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Administration, Str. Teodor Mihali 58-60, Cluj-Napoca 400591)**

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| 9:00 | Keynote: Data Privacy Re-visited During Covid19 Omer Rana (Cardiff University) - ROOM 118 | |
| 10:00 | Coffee Break / Switching Rooms - 1st floor hallway | |
| 10:30 | SESSION G: IS Methodologies and Education (Chair: B. Johansson) - ROOM 118 | SESSION H: Usability, Trust, Sustainability (Chair: L. Rusu) - ROOM 102 |
| | 1. <i>Perceiving ICT: Factors Influencing the Selection of Information Systems as a Major</i> Rajala, J. M., Iivari, N., Kinnula, M., Rajanen, D., Molin-Juustila, T. FULL | 1. <i>LegitimID: A federative digital identity system for strong authentication</i> Reveiu, A., Vințe, C., Lupu, V., Dărdală, M. FULL |
| | 2. <i>Design Thinking for Training with Serious Games: A Systematic Literature Review</i> Rosal, T. A., São Mamede, H., Mira da Silva, M. FULL | 2. <i>Sustainable Data Governance: A Systematic Review and a Conceptual Framework</i> Machado Ribeiro, V. H., Barata, J., da Cunha, P. R. FULL |
| | 3. <i>Using a General Extended Technology Acceptance Model for E-Learning (GETAMEL): A Literature Review of Empirical Studies</i> Strzelecki, A., Cicha, K., Rizun, M., Rutecka, P. FULL | 3. <i>Towards the Evaluation of Software Products from an Environmental Sustainability Perspective</i> Carvalho, R. D., da Silva, A. R. SHORT |
| | 4. <i>Information Systems Development Process: a Living Lab Perspective</i> Habibipour, A., Ståhlbröst, A. FULL | 4. <i>Behavior-Based Consumption Profiles for the Approximation of the Energy Consumption of Services</i> Larracochea, J. A., Roose, P., Ilarrri, S., Cardinale, Y., Laborie, S., Vara, O. P. FULL |
| 12:30 | Lunch Break - FSEGA cafeteria (basement) | |
| 13:30 | SESSION I: AI Methods & Applications (Chair: A. Reveiu) - ROOM 118 | SESSION J: Current IS Topics (Chair: R. Buchmann) - ROOM 102 |
| | 1. <i>On What Kind of Applications Can Clustering Be Used for Inferring MVC Architectural Layers?</i> Dobrea, D., Dioșan, L. FULL | 1. <i>Towards a Theoretical Framework of Acceptance of Virtual Reality Technology: Evidence from 360-Video Concert</i> Rajanen, D., Rajanen, M. FULL |
| | 2. <i>Topic Classification for Short Texts</i> Neagu, D. C., Rus, A. B., Grec, M., Boroiianu, M. A., Silaghi, G. C. FULL | 2. <i>Shape It Better than Skip It: Mapping the Territory of Quantum Computing and Its Transformative Potential</i> Boughzala, I., Ben Yahia, N., Ben Saoud, N. B., Eljaoued, W. FULL |
| | 3. <i>The IoT Threat Landscape vs. Machine Learning, a.k.a. Who Attacks IoT, Why Do They Do It, and How to Prevent It?</i> Pawlicki, M., Pawlicka, A., Komisarek, M., Kozik, R., Choraś, M. SHORT | 3. <i>Development of technology for creating an augmented reality application for business purposes</i> Pushkar, O., Hrabovskyi, Y., Szymczyk, K., Gordyeyev, A. SHORT |
| | 4. <i>Distance Metrics Library for MCDA Methods</i> Baczkiewicz, A., Watróbski, J., Sałabun, W. SHORT | 4. <i>Gamification of Information Systems: Ten Years of Research</i> Swacha, J. FULL |
| 15:15 | Coffee Break / Switching Rooms - 1st floor hallway | |
| 15:45 | SESSION K: AI Methods & Applications (Chair: V. Niculescu) - ROOM 118 | |
| | 1. <i>A Hybrid Method Based on Quantum-enhanced RNN and Data Integration for the Prediction of COVID-19 Outbreak</i> Nasri, A., Ben Yahia, N., Ben Saoud, N. B., Ben Miled, S. SHORT | |
| | <i>Heaven? The Innovative Technology to Enhance Cyberthreat Mitigation</i> Pawlicki, M., Pawlicka, A., Kozik, R., Choraś, M. FULL | |
| | 3. <i>Python Library for Consumer Decision Support System with Automatic Identification of Preferences</i> Watróbski, J., Baczkiewicz, A., Rudawska, I. FULL | |
| 17:00 | City Center Tour and | |
| 18:45 | Gala Dinner with conference announcements (Restaurant Panoramic Cetatuie) | |

ISD 2022 3rd Conference Day

2 September

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| 9:00 | Keynote: Reducing the Administrative Burden in Healthcare: Speech and Action Recognition for Automated Medical Reporting, Sjaak Brinkkemper (Utrecht University) - ROOM 118 | |
| 10:00 | Coffee Break / Switching Rooms - 1st floor hallway | |
| 10:30 | SESSION L: Usability, Trust, Sustainability (Chair: D. Rajanen) - ROOM 118 | SESSION M: Current IS Topics (Chair: A. M. Ghiran) - ROOM 102 |
| | 1. <i>Environmental, Social, and Corporate Governance. From Unascertainable Statements to Action Plan</i> Gawin, B., Winiarski, J., Marcinkowski, B. SHORT | 1. <i>Microservices Security Challenges and Approaches</i> Abdelfattah, A. S., Cerny, T. SHORT |
| | 2. <i>We Don't Connect – Negotiations between Usability, User and Art Experience in Art Interaction</i> Taipale, M., Rousi, R. A. FULL | 2. <i>The Role of Management Support in Software-as-a-Service Adoption Decision: A Conceptual Model</i> Kuciapski, M., Lustofin, P., Soja, P. SHORT |
| | 3. <i>Towards A Holistic Assessment of Resilience Frameworks</i> Noran, O., Bernus, P. SHORT | 3. <i>Modelling Inter-Organizational Business Processes Governance</i> Machado Ribeiro, V. H., Barata, J., da Cunha, P. R. FULL |
| | 4. <i>Gamifying Sustainable Behavior at Work: Results from an Experiment with a Corporate Gamification App</i> Morschheuser, P. C., Alt, R., Sachse, S., Morschheuser, B. FULL | 4. <i>Influence of Noise and Data Characteristics on Classification Quality of Dispersed Data Using Neural Networks on the Fusion of Predictions</i> Przybyła-Kasperek, M., Marfo, K. F. FULL |
| | 5. <i>Temporal VIKOR - A New MCDA Method Supporting Sustainability Assessment,</i> Watróbski, J., Baczkiewicz, A., Ziemba, E., Sałabun, W. FULL | 5. <i>Cloud-based Business Intelligence Solutions in the Management of Polish Companies</i> Dziembek, D., Ziara, L. FULL |
| 12:30 | Lunch Break - FSEGA cafeteria (basement) | |
| 13:30 | Conference closing & ISD 2023 announcements | |
| 14:00 | Trip to Salina Turda and Dinner in Rimetea village area (candidate to UNESCO World Heritage) | |