

BIR 2024 Workshops and Doctoral Consortium program

Wednesday September 11

9.00-9.10	Room RB 211 General Workshops Opening session	Room RB 106 23rd Business Informatics Research Doctoral Consortium
Room RB 211 2nd Workshop on Domain Specific Modelling Methods and Tools		Adam Krbušek. Towards Process Guidelines for Software Feature Prioritization at Different Stages of Product Maturity
9.10-9.20	OMiLAB-KNOW Opening	
9.25-10.30	Donald Baldwin, Martin Henkel and Erik Perjons. Introducing model-based tool support for applying zero-trust security for microservices at a bank	Tomáš Novotný. Ontology Modelling for Gamification of Feedback in Higher Education: Integrating Game Elements through the MDA Framework
	Andrei Chis, Ionut Stoica and Ana-Maria Ghiran. A Modeling Approach to Cyber Threat Mitigation	
	Nehemiah Mung'Au and Emanuele Laurenzi. (online) An ontology-based meta-modelling approach for software test cases	
10.30-11.00	Coffee Break	
11.00-12.10	Arianna Fedeli, Martin Peraic, Emanuele Laurenzi and Andrea Polini. AOAME4FIoWare: Ontology-based Feature Models for Context-Aware Configurations in IoT Applications	Veronika Kostrouchová. Information Models in Healthcare: CAR T-cell Therapy
	Massimo Callisto De Donato, Flavio Corradini, Flavio Fabbri, Fabrizio Fornari and Barbara Re. Design and Development of an IoT System for Audiovisual Self-Administered Tests	Theodore Kindong. AI Applications in SG for Reliability, Security, and Stability
	Benjamin Nast and Kurt Sandkuhl. Evaluation of the intuitiveness of MioTA	
12.10-12.30	OMiLAB-KNOW Closing	
12.30-14.00	Lunch	

	Room RB 211 14th Workshop on Business and IT Alignment	Room RB 106 19th Workshop on Managed Complexity
14:00-14:10	BITA Workshop Welcome	Mancomp Workshop Welcome
14:10-15:30	Marcus Triller and Kurt Sandkuhl. Energy Management Systems in SME: State of Research and Methodical Considerations	Ksenija Lace and Marite Kirikova. Simplifying Road to Defining a Scientific Problem and Hypothesis Through Gamified and Storytelling-Enhanced Teaching of Requirements Engineering
	Rikard Kloth and Gideon Mekonnen Jonathan. The Interplay Between Knowledge Management and the Social Dimension of Business IT Alignment	Shashini Rajaguru, Björn Johansson and Gianluigi Viscusi. Users' Understanding of Smart Meters in Sweden: an Interpretive Study
	Martin Henkel and Erik Perjons. Integrating Digital and Physical Care for Post-Covid Rehabilitation	Aritha Kumarasinghe and Marite Kirikova. Ontology for Data Science Research Results Reuse
		Jöran Lindeberg, Martin Henkel and Eric-Oluf Svee. What Complex Adaptive Systems Theory Means For Modelling of Organisational Rules
15.30-16.00	Coffee Break	
16.00-17.30	Theodore Kindong, Björn Johansson and Victoria Paulsson. A Systematic Literature Review of AI-enabled Predictive Analytics in Smart Grids	Peter Forbrig and Anke Dittmar. Managing the Complexity of Business-Process Models by Personas, Stories, and further Artifacts
	Oskars Rodins. Application of supervised machine learning models for card payment workflow optimization	Jarkko Nurmi and Ville Seppänen. (online) How Does the Presentation Mode of Enterprise Architecture Artifacts Affect Their Use in Decision-making?
	Sofia Tiitinen, Jarkko Nurmi and Ville Seppänen. (online) Enterprise Architecture Management Value Creation Mechanisms	Victoria Klyukina. (online) Modelling intangibles using EM: a meta-hierarchical method in strategic resource analysis

Welcome reception (Kredenc restaurant)

BIR 2024 Main conference program

(Room RB 211)

Thursday September 12

9:00- 9:30	Conference Opening
9:30- 10:30	Keynote 1 (Session chair Václav Řepa) Jan Romportl: Democratization of AI Tools: Bridging the Gap between Business Informatics and Accessible AI Innovation
10:30- 11:00	Coffee break
11:00- 12:30	Session 1: AI Opportunities and challenges (Session chair Emanuele Laurenzi) Matthias Brunnbauer: Business, Data and Analytics: Specifying AI Use Cases with the Help of Modeling Techniques Damaris Naomi Dolha and Robert Andrei Buchmann: Generative AI for BPMN Process Analysis: Experiments with Multi-modal Process Representations Kurt Sandkuhl: LLM-Assistance for Quality Control of LLM Output
12:30- 14:00	Lunch
14:00- 15:30	Session 2: AI Applications and Use Cases in Business (Session chair Robert Buchmann) Javier Carreño, Khuong An Nguyen, Zhiyuan Luo, and Andrew Fish: Unlocking Viewer Insights in Linear Television: A Machine Learning Approach Leon Görgen, Leon Griesch and Kurt Sandkuhl: Comparison of AI-based Document Classification Platforms Georgios Koutsopoulos, Penelope Ioannidou, George K. Matsopoulos and Dimitrios D. Koutsouris: Towards Model-Driven Enhancement of Safety in Healthcare Robot Interactions
15:30- 16:00	Coffee break
16:00- 17:30	Session 3: Business intelligence (Session chair Māriĕ Kirikova) Jöran Lindeberg, Martin Henkel and Eric-Oluf Svee: Modelling of Organisational Rules in Complex Adaptive Systems: a Systematic Mapping Study Ahmed Dehne and Kurt Sandkuhl: Towards Method Support for Variability Modelling in Enterprise Architecture Management Dace Kvalberga and Jānis Grabis: Cross-section of Business Intelligence Projects: Information Systems Success Perspective
17:30- 18:30	BIR Steering Committee meeting

Conference dinner (Café Vítkov)

Friday September 13

9:00-10:00	Keynote 2 (Session chair Raimundas Matulevičius) Giancarlo Guizzardi: A Meaningful Road to Explanation
10:00-10:30	<i>Coffee break</i>
10:30-12:30	Session 4: Business and Information Systems Development (Session chair Kurt Sandkuhl)
	Olga Levina: Incorporating Ethical Aspects in Information Systems Requirements Engineering (online)
	Liene Ieva Kraupša and Mārīte Kirikova: Suitability of Business Process Modeling Methods for Requirements Elicitation
	Ana-Maria Ghiran and Sven-Alexander Gal: Software Architectures and the Use of Knowledge Graphs to Support their Design Katharina Greger and Michael Möhring: Technical Debt – Insights into a Manufacturing SME Case Study
12:30-14:00	<i>Lunch</i>
14:00-15:30	Session 5: Knowledge and Traceability Management (Session chair Jānis Grabis)
	Ilija Bider and Erik Perjons: Discovery Rules for Depicting Tacit Knowledge Usage and Management in Fractal Enterprise Models
	Amin Jalali, Paul Johannesson, and Erik Perjons: DDIs-Graph: an Approach to Identify Drug-Drug Interactions and Recommend Alternative Drugs Anders W. Tell: Exploring the Information Flow and the Grounding of Digital Product Passports using The Work-Oriented Approach, An Industrial Case Study
15:30-16:00	<i>Conference Closing</i>