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Nota di contenuto	-- Business Process Improvement. -- AI-Enhanced Business Process Automation: A Case Study in the Insurance Domain Using Object-Centric Process Mining. -- Identifying Process Improvement Opportunities through Process Execution Benchmarking. -- Interdependency-Aware Business Process Prioritization for Process Improvements. -- Human-AI Interplay in Exploring Process Representations. -- Human-AI Collaboration for Business Process Modeling with Petri Nets. -- Repairing Process Descriptions by

Discovering Deviations from Process Models. -- Process Model Complexity Metrics, Cognitive Load and Visual Behavior: A Multi-Granular Eye-Tracking Analysis. -- Event Data Extraction. -- Which Tables are Mine(able)? -- OCPM2: Extending the Process Mining Methodology for Object-Centric Event Data Extraction. -- Making the Case for Process Analytics: A Use Case in Court Proceedings. -- Probabilistic Approaches to Uncertainty and Prediction in Process Mining. -- Predicting Unseen Process Behavior Based on Log Injection. -- Toward IoT-based Process Analytics: Extending Event Knowledge Graphs with Ambiguity. -- Probabilistic Learning of Temporal Uncertainties in Business Processes. -- AI-Driven Modeling and Analysis. -- Assessing the Suitability of Large Language Models in Generating UML Class Diagrams as Conceptual Models. -- Exploring the Influence of Data Characteristics on Machine Learning Outcomes. -- Can an LLM Use Work System Axioms when Describing Work Systems for Requirements Analysis?. -- Security. -- Forensic Readiness and Privacy: Towards Resolving Software Goal Conflict. -- An ontological model of the phishing attack process. -- harborLang: Enhancing Maritime Operational Safety Through Cyber Threat Simulation and Assessment. -- Evaluation of Modeling Practices. -- Learning Analytics Dashboard with Peer Comparison for Student Feedback in Conceptual Modeling Education. -- Are Code and Design Models Similarly Effective in Understanding Software Structure and Behavior?. -- Towards a Maturity Assessment Framework for MBSE Adoption: Results from a Meta-Synthesis. -- Modeling of and within Organizations. -- Enhancing C2-Systems: Validation of Goal and Concept Models with Stakeholders. -- Supporting Collaborative Design by Diagram Briefs in the Early Stage of Innovation Projects. -- A Metamodel for Applying Green BPM Approaches with the EU Taxonomy. -- Experience Report: Applying a Capability Heat Map in a Government Organization. -- Domain Modeling. -- State of the Art and Research Directions for Visual Conceptual Modeling in Robotics. -- A Domain-specific Modeling Method for Designing Conversational Agents for Coaching: A Case from Health Coaching. -- Designing Decision Support Systems for Rural Mobility Enhancement.

Sommario/riassunto

This book constitutes the refereed proceedings of two long-running events held along with the CAiSE conference and related to the areas of enterprise, business-process and information systems modeling: - the 26th International Conference on Business Process Modeling, Development and Support, BPMDS 2025 and - the 30th International Conference on Exploring Modeling Methods for Systems Analysis and Development, EMMSAD 2025. The conferences were taking place in Vienna, Austria, during June 16–17, 2025. For BPMDS 12 full papers were carefully reviewed and selected for publication from a total of 39 submissions. The BPMDS papers deal with a broad range of theoretical and applications-based research in business process modeling, development and support. For EMMSAD 13 full papers and 3 short papers were accepted from a total of 37 submissions after thorough reviews. EMMSAD focusses on modeling methods for systems analysis and development.