

1. Record Nr.	UNINA9911046545803321
Autore	Bork Dominik
Titolo	Conceptual Modeling : 44th International Conference, ER 2025, Poitiers, France, October 20–23, 2025, Proceedings // edited by Dominik Bork, Roman Lukyanenko, Shazia Sadiq, Ladjel Bellatreche, Oscar Pastor
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026
ISBN	3-032-08623-X
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (647 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 16189
Altri autori (Persone)	LukyanenkoRoman SadiqShazia BellatrecheLadjel PastorOscar
Disciplina	005.3
Soggetti	Application software Data structures (Computer science) Information theory Artificial intelligence Computer networks Information technology - Management Software engineering Computer and Information Systems Applications Data Structures and Information Theory Artificial Intelligence Computer Communication Networks Computer Application in Administrative Data Processing Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- Modeling for safeguarding. -- Interactive Repair of Inconsistencies in Conceptual Models. -- Rethinking Learning: The Role of Unlearning in Generative AI-Based Conceptual Modeling. -- ModelFed: a Federated Protocol for Collaborative Cross-Platform Modeling. -- Ontological Modeling. -- Group modelling as discourse: games, play,

ontologies and the emergence of shared understandings. -- Creon: A Capability Reference Ontology for the Analysis and Design of System Capabilities. -- Enriching Ontology-based Data Management with Multidimensional Modeling. -- LLM-enabled Modeling. -- Towards Human-in-the-Loop LLM-Enabled Domain Modeling. -- Towards Threat Modeling with Large Language Models - Automating Domain-Specific Language Creation in Meta Attack Language (MAL). -- Text-to-MDX: LLM-Assisted Generation of MDX Queries from User Questions. -- Data and Process Modeling. -- Tree-based Compliance Verification: Bridging the Gap between Compliance Requirements and Process Execution. -- Detecting Conflicting Object Views in Object-Centric Process Choreographies. -- To bind or not to bind? Discovering Stable Relationships in Object-centric Processes. -- Discovering Inclusion Dependencies in a Multi-Model Scenario. -- Possibilistic SQL Constraints. -- Knowledge Graphs and Graph Database. -- Shaping Your World – Conceptualizing Viewpoint Dynamics in Event-Centric Knowledge Graphs. -- Comparative Experiments on Natural Language Querying of Knowledge Graphs Using a Graph RAG Approach. -- Model-driven Schema Transformation for Graph Databases. -- Applications of Conceptual Modeling. -- Ontology-informed Design of Legal Visualizations. -- Conceptual Modeling of disinformation campaigns. -- Ontology for Personalized Recipe Recommendations Supporting Sustainability, Personal Preferences, and Health Restrictions. -- OntoInsight - A Metric-Guided Tool for Ontology Quality Evaluation with LLM-Powered Recommendations. -- Towards Automating the Life Cycle Management of Digital Twins.

Sommario/riassunto

This book constitutes the proceedings of the 44th International Conference on Conceptual Modeling, ER 2025, which took place in Poitiers, France, during October 20–23, 2025. The 22 full papers included in this book were carefully reviewed and selected from 106 submissions. The ER conference is providing a forum for the presentation, discussion, and debate of innovative and emerging ideas, concepts, and methods. They create an environment that encourages experimentation, interdisciplinary exchange, and the exploration of new research frontiers.
