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Soggetti	Software engineering Artificial intelligence Database management Data mining Application software Computer science Software Engineering Artificial Intelligence Database Management Data Mining and Knowledge Discovery Computer and Information Systems Applications Theory of Computation
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Nota di contenuto	CMLS: An Ontology for Breast Cancer Screening -- Integrating Nuclear Medicine and Radiopharmacy Data: A Conceptual Model for Precision Medicine and Enhanced Patient Care -- Comprehensive Representation of Variation Interpretation Data via Conceptual Modeling -- Enhancing Precision Medicine: An Automatic Pipeline Approach for Exploring Genetic Variant-Disease Literature -- CMOMM4FAIR: euFAIR: A Digital Tool for Assessing the FAIR Principles -- EmpER: Empirical Exploration of Open-Source Issues for Predicting Privacy Compliance -- Human-

Centred Conceptual Modelling for Re-Designing Urban Planning -- Using Knowledge Graphs to Generate SQL Queries from Textual Specifications -- A Systematic Approach to Generate TOGAF Artifacts Founded on Multiple Data Sources and Ontology -- Bridging the Gap: Conceptual Modeling and Machine Learning for Web Portals -- JUSMOD: New-Generation Templates Facilitating the Shift from Documents to Data in the Italian Judiciary -- Supervised Learning, Explanation and Interpretation from Pretrial Detention Decisions by Italian and Brazilian Supreme Courts -- Few-Shot Legal Text Segmentation via Rewiring Conditional Random Fields: A Preliminary Study -- Identification and Visualization of Legal Definitions and Legal Term Relations -- Comparative Analysis of Disinformation Regulations: A Preliminary Analysis -- Privacy-Preserving Data Integration for Digital Justice -- Public Procurement Analysis with Process Discovery Techniques and Event Log Enrichment -- Formalising Legal Knowledge of Sri Lankan Civil Appellate High Court Domain from Ontological Perspective -- OntoCom: Towards Semantics for Abstractions in Ontology-Driven Conceptual Modeling -- Misalignments of Social and Numerical Identity -- An Ontological Analysis -- Using an Ontology for Defining Semantics of Fractal Enterprise Model -- One Model to Rule Them All: A Demonstration of Ontology-Driven Minimum Viable Product Development for a Local Tourism Platform -- Enhancing Requirement-Information Mapping for Sustainable Buildings: Introducing the SFIR Ontology -- On the Use of ChatGPT for Classifying Domain Terms According to Upper Ontologies -- QUAMES: Exploring Understandability in Socio-Technical Models for Data Protection Analysis: Results from a Focus Group -- FlowTGE: Automating Functional Testing of Executable Business Process Models Based on BPMN -- An Approach Aligned with Model Driven Development to Evaluate the Quality of Explainable Artificial Intelligence -- SmartFood: Unveiling major Knowledge Organization Systems' artifacts for Agriculture with network graphs -- Design Implications Towards Human-Centric Semantic Recommenders for Sustainable Food Consumption -- CoffeeWKG: A Weather Knowledge Graph for Coffee Regions in Colombia.

Sommario/riassunto

This book constitutes the refereed proceedings of 7 workshops, held at the 42nd International Conference on Conceptual Modeling, ER 2023, held in Lisbon, Portugal, during November 6-9, 2023. The 28 full and 2 short papers were carefully reviewed and selected out of 53 submissions. Topics of interest span the entire spectrum of conceptual modeling, including research and practice in areas such as theories of concepts and ontologies, techniques for transforming conceptual models into effective implementations, and methods and tools for developing and communicating conceptual models. The following workshops are included in this volume: CMLS – 4th International Workshop on Conceptual Modeling for Life Sciences; CMOMM4FAIR – Third Workshop on Conceptual Modeling, Ontologies and (Meta)data Management for Findable, Accessible, Interoperable, and Reusable (FAIR) Data; EmpER – 6th International Workshop on Empirical Methods in Conceptual Modeling; JUSMOD – Second International Workshop on Digital Justice, Digital Law and Conceptual Modeling; OntoCom – 9th International Workshop on Ontologies and Conceptual Modeling; QUAMES – 4th International Workshop on Quality and Measurement of Model-Driven Software Development; SmartFood – First Workshop on Controlled Vocabularies and Data Platforms for Smart Food Systems. .