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Nota di contenuto	-- Generation of Interactive Knowledge Graphs to Enable Research of the Effects of Trauma Center Organization on Patient Outcomes. -- A User-Centered Neuro-Symbolic Approach for Knowledge Graph Creation from Text. -- Towards dynamically generated KGQA benchmarks for memorization-resistant evaluations. -- Comparison of Metadata Representation Models for Knowledge Graph Embeddings. -- EmbER: A Neuro-Symbolic Method for Entity Comparison and Ranking in Text-Rich Knowledge Graphs. -- A semi-automatic approach to validating ontology alignments based on LLMs and KGs. -- FarmerLikeMe: A Framework for Goal and Risk-Aware Agricultural

Decision Support. -- Author Name Disambiguation in LAGOS-AND using a Hybrid Approach. -- Beyond Equivalence: Benchmark Datasets for Ontology Alignment. -- Research Directions for Ontology-Guided Domain-Specific Knowledge Graph Population Using LLMs. -- Knowledge Graphs in the Real-World: Noisy Data and Embedding-Based Entity Alignment Algorithms. -- Bridging Property Graphs and Knowledge Graphs: A Category Theory Approach to Interoperable Graph Transformation. -- Context Specific Refinement of Protein Interaction Network for Knowledge Graph Completion. -- Reconstructing the Temporal Evolution of Geographic Entities from Fragmentary Knowledge. -- Knowledge Conceptualization Impacts RAG Efficacy. -- A Bottom-Up Framework for Legal Knowledge Graph Construction: A Case Study on Gender-Based Violence. -- Ontop-driven Federated Virtual Knowledge Graphs: A Robust Framework to Revolutionizing Fragmented Battery Data Integration. -- Using Legislative Change History of Statutes Based on a Linked Open Data Knowledge Graph. -- Analyzing Aggregated Knowledge Graphs on a Global Level for Better Data Literacy: Case LetterSampo Finland. -- How ontology can improve explainable AI techniques: A review of existing approaches and a proposed roadmap in the Information Extraction area. -- Breaking the Latency Barrier: Real-time Incremental Community Detection with Live Graph Data on a Unified Graph Database Framework.

Sommario/riassunto

This book constitutes the refereed proceedings of the 7th International Conference on Knowledge Graphs and Semantic Web, KGSWC 2025, held in Leipzig, Germany, during November 26–28, 2025. The 18 full papers and 3 short papers presented were carefully reviewed and selected from 52 submissions. They focus on latest scientific results and technology innovations related to the Knowledge Graphs and the Semantic Web.