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-- Research Track. -- CompoST: A Benchmark for Analyzing the Ability of LLMs To Compositionally Interpret Questions in a QALD Setting. -- Are quality dimensions correlated? An empirical investigation over Linked Data. -- SAT-Based Bounded Fitting for the Description Logic ALC. -- Ontology-enhanced Knowledge Graph Completion using Large Language Models. -- ProgKGC: Progressive Structure-Enhanced Semantic Framework for Knowledge Graph Completion. -- Link Prediction Under Non-targeted Attacks: Do Soft Labels Always Help?. -- UpSHACL: Targeted Constraint Validation for Updates over Knowledge Graphs. -- SHACL Validation under Graph Updates. -- GLIDE: Knowledge Graph Linking using Distance-Aware Embeddings. -- FastER: On-Demand Entity Resolution in Property Graphs. -- FLORA: Unsupervised Knowledge Graph Alignment by Fuzzy Logic. -- Proxy-Enriched Imputation on Contextually Incomplete Web Tables. -- A Domain-Independent Approach for Semantic Table Interpretation. -- Neuro-Symbolic Adaptive Query Processing over Knowledge Graphs. -- GRASP: Generic Reasoning And SPARQL Generation across Knowledge Graphs. -- ReFactX: Scalable Reasoning with Reliable Facts via Constrained Generation. -- Parallel Reasoning in Sequoia. -- HypKG: Hypergraph-based Knowledge Graph Contextualization for Precision Healthcare. -- Graph Querying or Similarity Search? Both!. -- Formalizing Repairs for Wikidata Constraint Violations: A Taxonomy and Empirical Analysis. -- Beyond Manual Labels: Unsupervised Graph-Based Explanations for Error Analysis in Image Classifiers. -- Query-aware Dynamic Representation Learning for Temporal Knowledge Graph Reasoning. -- Compact Answers to Temporal Path Queries. -- Language Models as Ontology Encoders. -- Parameter-efficient Federated Knowledge Graph Embedding Learning and Unlearning. -- Measuring the Impact of Narrative Complexity on Knowledge Graph Embeddings. -- Large Language Models Assisting Ontology Evaluation. -- Controlled Query Evaluation under Epistemic Dependencies: Algorithms and Experiments. -- Efficient Updates for Worst-Case Optimal Join Triple Stores. -- Leveraging Open Path from Pruned Graph for Link Prediction on Knowledge Graphs. -- Revisiting Link Prioritization for Efficient Traversal in Structured Decentralized Environments. -- AdaGCRAg: Adaptive Graph-Chunk Retrieval for Lightweight RAG. -- The Graph Language: How Knowledge Graphs Speak to Large Language Models. -- KROMA: Ontology Matching with Knowledge Retrieval and Large Language Models.

Sommario/riassunto

This two-volume set constitutes the proceedings of the 24th International Semantic Web Conference, ISWC 2025, held in Nara, Japan, during November 2–6, 2025. The 60 full papers included in these volumes were carefully reviewed and selected from 277 submissions. These papers address theoretical, analytical, and empirical aspects of the Semantic Web; promote the sharing of resources that support, enable, or utilize semantic web research; and describe applied research as well as software tools, systems, or architectures that benefit from the use of Semantic Web and Knowledge Graph technologies.