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Autore	Garijo Daniel
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Altri autori (Persone)	KirraneSabrina SalatinoAngelo ShimizuCogan AcostaMaribel NuzzoleseAndrea Giovanni FerradaSebastian SouldardThibaut KozakiKouji TakedaHideaki
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-- Resources Track. -- mmRAG: A Modular Benchmark for Retrieval-Augmented Generation over Text, Tables, and Knowledge Graphs. -- Sparqlscope: A generic benchmark for the comprehensive and concise performance evaluation of SPARQL engines. -- Benchmarking Knowledge Editing using Logical Rules. -- ExeKGLib: A Platform for Machine Learning Analytics based on Knowledge Graphs. -- Are LLMs Really Knowledgeable for Knowledge Graph Completion?. -- SHACL Dashboard: Analyzing Data Quality Reports over Large-Scale Knowledge Graphs. -- cnChemNER: A Dataset for Chinese Chemical Named Entity Recognition. -- MammoTab 25: A Large-Scale Dataset for Semantic Table Interpretation – Training, Testing, and Detecting Weaknesses. -- Virtual Knowledge Graphs over Earth Observation Data. -- From Legal Texts to Structured Knowledge: A Comprehensive Pipeline for Legal Text Summarization. -- HealthEQKG: A Knowledge Graph and Data Model for Health Equity Research. -- Co-creating an Ontology of Online Gender-Based Harms: An Interdisciplinary Perspective. -- GeoOutageKG: A Multimodal Geospatiotemporal Knowledge Graph for Multiresolution Power Outage Analysis. -- gpuRDF2vec – Scalable RDF2Vec using GPUs. -- A Domain Ontology for Ishikawa Diagrams to Enhance Root Cause Analysis. -- MontoFlow – A Maritime Ontology Framework for Modeling Ship Sensory Systems. -- RDFMutate: Mutation-Based Generation of Knowledge Graphs. -- COTTAS: Columnar Triple Table Storage for Efficient and Compressed RDF Management. -- SSBD Ontology: A Two-Tier Approach for Interoperable Bioimaging Metadata. -- In-Use Track. -- Semantic-Aware Streaming Learning for Anomalous Event Detection in Power Grids. -- Open Government Data as Multi-dimensional 5 Star Data: cube.link. -- A DataOps Toolbox Enabling Continuous Semantic Integration of Devices for Edge-Cloud AI Applications. -- Using Semantic Technologies in the Railway Domain: The Register of Infrastructure (RINF) System. -- Enhancing Transparency in Smart Grids: the SENSE Framework. -- Federated FAIR Semantic Artefacts Discovery and Search with OntoPortal Federation. -- Exploiting LLMs and Semantic Technologies to Build a Knowledge Graph of Historical Mining Data.

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.