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Nota di contenuto	Research -- Explainable Phenotype-Centric Drug Repurposing via Deep Reinforcement Learning -- A Comparative Study of Stream Reasoning Engines -- Join Ordering of SPARQL Property Path Queries -- Rening Large Integrated Identity Graphs using the Unique Name Assumption -- Structural Bias in Knowledge Graphs for the Entity Alignment Task -- A Framework to Include and Exploit Probabilistic Information in SHACL Validation Reports -- Transformer based Semantic Relation Typing for Knowledge Graph Integration -- Entity Linking for KGQA Using AMR Graphs -- REGNUM: Generating Logical Rules with Numerical Predicates in Knowledge Graphs -- Classifying sequences by combining context-free grammars and OWL ontologies -- NASTyLinker: NIL-Aware Scalable Transformer-based Entity Linker -- iSummary: Workload-based, Personalized summaries for Knowledge Graphs -- Neural Class Expression Synthesis -- Evaluating Language Models for Knowledge Base Completion -- Subsumption Prediction on E-Commerce Taxonomies -- Two-view Graph Neural Networks for Knowledge Graph Completion -- GETT-QA: Graph Embedding based T2T Transformer for Knowledge Graph Question Answering -- Repairing EL ontologies using weakening and completing -- Activity Recommendation for Business Process Modeling with Sequence-to-Sequence Models -- Resource --

RELD: A Knowledge Graph of Relation Extraction Datasets -- The Internet Meme Knowledge Graph -- Describing and Organizing Semantic Web and Machine Learning Systems in the SWeMLS-KG -- A Concise Ontology to Support Research on Complex, Multimodal Clinical Reasoning -- LauNuts: A Knowledge Graph to identify and compare geographic regions in the European Union -- HHT : an approach for representing temporally-evolving historical territories -- An Upper Ontology for Modern Science Branches and Related Entities -- K-Hub: a modular ontology to support document retrieval and knowledge extraction in Industry 5.0 -- pyRDF2Vec: A Python Implementation and Extension of RDF2Vec -- Boosting Knowledge Graph Generation from Tabular Data with RML Views -- A knowledge graph of contentious terminology for inclusive representation of cultural heritage -- LegalHTML: a Representation Language for Legal Acts -- Whyis 2: An Open Source Framework for Knowledge Graph Development and Research -- In-Use -- Prototyping an End-User User Interface for the Solid Application Interoperability Specification under GDPR -- SemReasoner - A high-performance Knowledge Graph Store and rule-based Reasoner -- LIS: A Knowledge Graph-based Line Information System -- Combining Semantic Web and Machine Learning for Auditable Legal Key Element Extraction -- Understanding Customer Requirements - an Enterprise Knowledge Graph Approach -- Investigating Ontology-based data access with GitHub -- Enabling Live SPARQL Queries Over ConceptNet Using Triple Pattern Fragments -- Evaluation of a Representative Selection of SPARQL Query Engines using Wikidata -- MOSAIK: An Agent-Based Decentralized Control System with Stigmergy For A Transportation Scenario.

Sommario/riassunto

This book constitutes the refereed proceedings of the 20th International Conference on The Semantic Web, ESWC 2023, held in Hersonissos, Crete, Greece, during May 28–June 1, 2023. The 41 full papers included in this book were carefully reviewed and selected from 167 submissions. They are organized in topical sections as follows: research, resource and in-use.
