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Nota di contenuto	Ontological representation of audio features -- Abstract Meaning Representations as Linked Data -- Interoperability for Smart Appliances in the IoT World -- An Ontology of Soil Properties and Processes -- LODStats: The Data Web Census Dataset -- Zhishi.lemonOn Publishing Zhishi.me as Linguistic Linked Open Data -- Linked Disambiguated Distributional Semantic Networks -- BESDUI: A Benchmark for End-User Structured Data User Interfaces -- SPARQLGX: Efficient Distributed Evaluation of SPARQL with Apache Spark -- Querying Wikidata: Comparing SPARQL, Relational and Graph Databases -- Clinga: Bringing Chinese Physical and Human Geography in Linked

Open Data -- LinkGen: Multipurpose Linked Data Generator -- OntoBench: Generating Custom OWL 2 Benchmark Ontologies -- Linked Data (in low-resource) Platforms: a mapping for Constrained Application Protocol -- TripleWave: Spreading RDF Streams on the Web -- Conference Linked Data: the ScholarlyData project -- The OWL Reasoner Evaluation (ORE) 2015 Resources -- FOOD: FOod in Open Data -- YAGO: a Multilingual Knowledge Base from Wikipedia, Wordnet, and Geonames -- A Collection of Benchmark Datasets for Systematic Evaluations of Machine Learning on the Semantic Web -- Enabling combined software and data engineering at Web-scale: The ALIGNED suite of ontologies -- A Large Scale Replication Study of the Top Systems performing in SemEval Twitter Sentiment Analysis -- VoldemortKG: Mapping schema.org and Web Entities to Linked Open Data -- AUFX-O: Novel Methods for the Representation of Audio Processing Workflows -- Translating Ontologies in a Real-World Setting with ESSOT -- EnergyUse - A Collaborative Semantic Platform for Monitoring and Discussing Energy Consumption -- Extracting Semantic Information for e-Commerce -- Building Urban LOD for Solving Illegally Parked Bicycles in Tokyo -- Ontology-Based Design of Space Systems -- Capturing Industrial Information Models with Ontologies and Constraints -- Towards Analytics Aware Ontology Based Access to Static and Streaming Data -- QuerioDALI: Question Answering over Dynamic and Linked Knowledge Graphs -- Automatic Classification of Springer Nature Proceedings with Smart Topic Miner -- Semantic Technologies for Data Analysis in Health Care -- Building and Exploring an Enterprise Knowledge Graph for Investment Analysis -- Extending SPARQL for data analytic tasks.

Sommario/riassunto

The two-volume set LNCS 9981 and 9982 constitutes the refereed proceedings of the 15th International Semantic Web Conference, ISWC 2016, which was held in Kobe, Japan, in October 2016. The 75 full papers presented in these proceedings were carefully reviewed and selected from 326 submissions. The International Semantic Web Conference is the premier forum for Semantic Web research, where cutting edge scientific results and technological innovations are presented, where problems and solutions are discussed, and where the future of this vision is being developed. It brings together specialists in fields such as artificial intelligence, databases, social networks, distributed computing, Web engineering, information systems, human-computer interaction, natural language processing, and the social sciences. The Research Track solicited novel and significant research contributions addressing theoretical, analytical, empirical, and practical aspects of the Semantic Web. The Applications Track solicited submissions exploring the benefits and challenges of applying semantic technologies in concrete, practical applications, in contexts ranging from industry to government and science. The newly introduced Resources Track sought submissions providing a concise and clear description of a resource and its (expected) usage. Traditional resources include ontologies, vocabularies, datasets, benchmarks and replication studies, services and software. Besides more established types of resources, the track solicited submissions of new types of resources such as ontology design patterns, crowdsourcing task designs, workflows, methodologies, and protocols and measures.