

1. Record Nr.	UNISA996466227903316
Titolo	The Semantic Web [[electronic resource]] : 14th International Conference, ESWC 2017, Portorož, Slovenia, May 28 – June 1, 2017, Proceedings, Part I // edited by Eva Blomqvist, Diana Maynard, Aldo Gangemi, Rinke Hoekstra, Pascal Hitzler, Olaf Hartig
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-58068-X
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXX, 673 p. 151 illus.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 10249
Disciplina	025.04
Soggetti	Information storage and retrieval Artificial intelligence Application software Computers Data mining Software engineering Information Storage and Retrieval Artificial Intelligence Information Systems Applications (incl. Internet) Theory of Computation Data Mining and Knowledge Discovery Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Organization -- Abstract of Keynotes -- Bringing Semantic Intelligence to Financial Markets -- Disrupting the Semantic Comfort Zone -- Semantic Web Technologies for Digital Archives -- Contents - Part I -- Contents -- Part II -- Semantic Data Management, Big Data, and Scalability Track -- Traffic Analytics for Linked Data Publishers -- 1 Introduction -- 2 Related Work -- 3 System Overview -- 4 Traffic Metrics -- 4.1 Content Metrics Extraction -- 4.2 Protocol Metrics Extraction and SPARQL Queries Weight -- 4.3 Audience Metrics

Extraction and Visitor Session Identification -- 5 Results -- 6
Conclusions and Future Work -- References -- Explaining Graph
Navigational Queries -- 1 Introduction -- 2 Related Work -- 3 Building
Query Explanations with GeL -- 3.1 Syntax of GeL -- 3.2 Semantics of
GeL -- 4 Algorithms and Complexity -- 4.1 Translating GeL into
SPARQL -- 5 Implementation and Evaluation -- 6 Concluding Remarks
and Future Work -- References -- A SPARQL Extension for Generating
RDF from Heterogeneous Formats -- 1 Introduction -- 2 Use-Cases
and Requirements -- 3 Related Work -- 4 SPARQL-Generate
Specification -- 4.1 SPARQL-Generate Concrete Syntax -- 4.2 Abstract
Syntax -- 4.3 SPARQL-Generate Semantics -- 5 Implementation and
Evaluation -- 5.1 Generic Approach -- 5.2 Implementation on Top of
Apache Jena -- 5.3 Evaluation -- 6 Conclusion and Future Work --
References -- Linked Data Track -- Exploiting Source-Object Networks
to Resolve Object Conflicts in Linked Data -- 1 Introduction -- 2
Preliminaries -- 2.1 Basic Definitions -- 2.2 Problem Analysis -- 3
ObResolution Method -- 3.1 Model Details -- 3.2 Inference Algorithms
-- 3.3 Practical Issues -- 4 Evaluation -- 4.1 The Datasets -- 4.2
Comparative Methods and Metrics -- 4.3 Results -- 5 Related Work --
6 Conclusion and Future Work -- References.
Methods for Intrinsic Evaluation of Links in the Web of Data -- 1
Introduction -- 2 Preliminaries -- 3 Principles for Data Interlinking in
the Web of Data -- 4 Intrinsic Measures for Assessing the Quality of
Links -- 4.1 Basic Descriptive Statistics -- 4.2 Principles-Based
Measures -- 5 Empirical Analysis -- 5.1 Data -- 5.2 Methodology --
5.3 Measure Validation -- 5.4 Results -- 6 Related Work -- 7
Conclusions and Future Work -- References -- Entity Deduplication on
ScholarlyData -- 1 Introduction -- 2 Related Work -- 3 Deduplication
-- 3.1 Blocking Strategies -- 3.2 Classification -- 3.3 URI
Harmonisation -- 4 Experiments -- 4.1 The Train/test Dataset -- 4.2
Blocking -- 4.3 Classification -- 4.4 URI Harmonisation -- 5
Conclusions -- References -- Machine Learning Track -- WOMBAT -- A
Generalization Approach for Automatic Link Discovery -- 1
Introduction -- 2 Preliminaries -- 3 Constructing and Traversing Link
Specifications -- 3.1 Learning Atomic Specifications -- 3.2 Combining
Atomic Specifications -- 4 The WOMBAT Algorithm -- 5 Evaluation -- 6
Related Work -- 7 Conclusions and Future Work -- References --
Actively Learning to Rank Semantic Associations for Personalized
Contextual Exploration of Knowledge Graphs -- 1 Introduction -- 2
Contextual KG Exploration -- 3 Active Learning to Rank for Semantic
Associations -- 3.1 Features -- 4 Experiments -- 4.1 Experimental
Settings -- 4.2 Configurations and Baselines -- 4.3 Results and
Discussion -- 5 Related Work -- 6 Conclusion -- References --
Synthesizing Knowledge Graphs for Link and Type Prediction
Benchmarking -- 1 Introduction -- 2 Related Work -- 3 Knowledge
Graph Model -- 4 Synthesis Process -- 5 Experiments -- 6 Conclusion
and Outlook -- References -- Online Relation Alignment for Linked
Datasets -- 1 Introduction -- 2 Related Work -- 3 Preliminaries -- 4
Problem Statement.
5 SORAL: Relation Alignment -- 5.1 Candidate Generation -- 5.2
Sampling Strategies -- 5.3 Features -- 6 Experimental Setup -- 7
Results and Discussion -- 7.1 Relation Alignment Accuracy -- 7.2
Query-Execution Overhead -- 8 Conclusion -- References -- Tuning
Personalized PageRank for Semantics-Aware Recommendations Based
on Linked Open Data -- 1 Introduction -- 2 Related Work -- 3
Methodology -- 3.1 Graph-Based Representations -- 3.2 Running
Personalized PageRank -- 4 Experimental Evaluation -- 4.1
Experimental Protocol -- 4.2 Discussion of the Results -- 5

Entity Surface and Entity Type -- 4.3 Analysis of False Negative Named Entities -- 4.4 Analysis of False Positive Named Entities -- 5
Experimental Setup -- 5.1 Crowdsourcing Experimental Data -- 5.2
Crowdsourcing Annotation Task -- 5.3 CrowdTruth Metrics -- 6
Results -- 7 Discussion -- 8 Conclusion -- References -- All that
Glitters Is Not Gold -- Rule-Based Curation of Reference Datasets for
Named Entity Recognition and Entity Linking -- 1 Introduction -- 2
Related Work -- 3 Formal Annotation Framework -- 3.1 Assumptions
-- 3.2 Rule Set -- 3.3 Comparison with Related Work -- 3.4
Observations -- 4 Eaglet -- 4.1 Preprocessing Module -- 4.2
Completion Module -- 4.3 Error Detection Pipeline -- 4.4 Review
Module -- 5 Evaluation -- 5.1 Experiment I -- 5.2 Experiment II -- 5.3
Experiment III -- 6 Conclusion -- References -- Semantic Annotation
of Data Processing Pipelines in Scientific Publications -- 1 Introduction
-- 2 Related Work -- 3 The DMS Ontology -- 4 DPP Knowledge
Extraction Workflow -- 4.1 Training Data Generation -- 4.2
Classification and NER -- 4.3 Linked Data Generation -- 5 Evaluation
-- 5.1 Dataset -- 5.2 Analysis of Rhetorical Classifiers -- 5.3 Quality of
Extracted Entities -- 6 Conclusion -- References -- Combining Word
and Entity Embeddings for Entity Linking -- 1 Introduction -- 2 Related
Work.
3 Combining Word and Entity Embeddings.

Sommario/riassunto

The two volumes LNCS 10249 and 10250 constitute the refereed proceedings of the 14th International Semantic Web Conference, ESWC 2017, held in Portorož, Slovenia. The 51 revised full papers presented were carefully reviewed and selected from 183 submissions. In addition, 10 PhD papers are included, selected out of 14 submissions. The papers are organized in the following tracks: semantic data management, big data, and scalability; linked data; machine learning; mobile web, sensors, and semantic streams; natural language processing and information retrieval; vocabularies, schemas, and ontologies; reasoning; social web and web science; semantic web and transparency; in use and industrial track; and PhD symposium. The paper 'Linked Data Notifications: A Resource-Centric Communication Protocol' is published open access under a CC BY 4.0 license at link.springer.com.
