

# Contents

## Ontology Reasoning and Learning

SPARQL Query Recommendation for Exploring RDF Repositories. . . . .	3
<i>Boliang Chen, Jing Mei, Wen Sun, Ruilong Su, Haofen Wang, Gang Hu, Guotong Xie, and Yong Yu</i>	
A Semi-supervised Learning Approach for Ontology Matching. . . . .	17
<i>Zhichun Wang</i>	
Learning Disjointness Axioms With Association Rule Mining and Its Application to Inconsistency Detection of Linked Data . . . . .	29
<i>Yanfang Ma, Huan Gao, Tianxing Wu, and Guilin Qi</i>	
Decision Tree Learner in the Presence of Domain Knowledge . . . . .	42
<i>João Vieira and Cláudia Antunes</i>	
A System for Tractable Computation of Negative Answers to Conjunctive Queries . . . . .	56
<i>Jianfeng Du, Deqian Liu, Can Lin, Xuzhi Zhou, and Jiaqi Liang</i>	
The <i>Ontop</i> Framework for Ontology Based Data Access . . . . .	67
<i>Timea Bagosi, Diego Calvanese, Josef Hardi, Sarah Komla-Ebri, Davide Lanti, Martin Rezk, Mariano Rodríguez-Muro, Mindaugas Slusnys, and Guohui Xiao</i>	
Complexity of Conservative Extensions and Inseparability in the Description Logic $\mathcal{EL}^-$ . . . . .	78
<i>Yuming Shen and Ju Wang</i>	
<i>GrOD</i> : Graph-based Ontology Debugging System. . . . .	87
<i>Xuefeng Fu, Yong Zhang, and Guilin Qi</i>	

## Semantic Data Generation and Management

Effective Chinese Organization Name Linking to a List-Like Knowledge Base . . .	97
<i>Chengyuan Xue, Haofen Wang, Bo Jin, Mengjie Wang, and Daqi Gao</i>	
Chinese Textual Contradiction Recognition Using Linguistic Phenomena . . .	111
<i>Maofu Liu, Yue Wang, and Donghong Ji</i>	
Event-Oriented Semantic Data Generation for Medical Guidelines. . . . .	123
<i>Yuling Fan, Jinguang Gu, and Zhisheng Huang</i>	

Ontology Evolution Detection: Method and Results. . . . .	134
<i>Gaofan Li, Peng Wang, and Bin Yu</i>	
Ontology Matching Tuning Based on Particle Swarm Optimization: Preliminary Results . . . . .	146
<i>Pan Yang, Peng Wang, Li Ji, Xingyu Chen, Kai Huang, and Bin Yu</i>	
AxiomVis: An Axiom-Oriented Ontology Visualization Tool . . . . .	156
<i>Jian Zhou, Xin Wang, and Zhiyong Feng</i>	
Exploiting Semantic Web Datasets: A Graph Pattern Based Approach . . . . .	167
<i>Honghan Wu, Boris Villazon-Terrazas, Jeff Z. Pan, and Jose Manuel Gomez-Perez</i>	
Zhishi.schema Explorer: A Platform for Exploring Chinese Linked Open Schema . . . . .	174
<i>Tianxing Wu, Guilin Qi, and Haofen Wang</i>	
<b>Semantic Technology Applications</b>	
Evidence-Based Treatment of Medical Guideline. . . . .	185
<i>Pingfang Tian, Zhonghua Zhu, and Zhisheng Huang</i>	
Evidence-based Clinical Guidelines in SemanticCT . . . . .	198
<i>Qing Hu, Zhisheng Huang, Frank van Harmelen, Annette ten Teije, and Jinguang Gu</i>	
Constructing Provenance Cubes Based on Semantic Neuroimaging Data Provenances . . . . .	213
<i>Jianhui Chen, Jianhua Feng, Ning Zhong, and Zhisheng Huang</i>	
Monitoring Urban Waterlogging Disaster Using Social Sensors. . . . .	227
<i>Ningyu Zhang, Guozhou Zheng, Huajun Chen, Xi Chen, and Jiaoyan Chen</i>	
An Ontology-Based System for Generating Mathematical Test Papers . . . . .	237
<i>Jianfeng Du, Xuzhi Zhou, Can Lin, Deqian Liu, and Jiayi Cheng</i>	
The Twitter Observatory . . . . .	245
<i>Qingpeng Zhang, Bassem Makni, and James A. Hendler</i>	
<b>Author Index</b> . . . . .	251

The Semantic Web and Web Science

8th Chinese Conference, CSWS 2014, Wuhan, China,

August 8-12, 2014, Revised Selected Papers

Zhao, D.; Du, J.; Wang, H.; Wang, P.; Ji, D.; Pan, J. (Eds.)

2014, XII, 252 p. 96 illus., Softcover

ISBN: 978-3-662-45494-7