## Contents

All About Fuzzy Description Logics and Applications .......................... 1  
*Umberto Straccia*

Higher-Order Modal Logics: Automation and Applications ................. 32  
*Christoph Benzmüller and Bruno Woltzenlogel Paleo*

Web Stream Reasoning: From Data Streams to Actionable Knowledge ...... 75  
*Alessandra Mileo*

Recommender Systems and Linked Open Data .................................. 88  
*Tommaso Di Noia and Vito Claudio Ostuni*

PSOA RuleML: Integrated Object-Relational Data and Rules .............. 114  
*Harold Boley*

LegalRuleML: Design Principles and Foundations ............................ 151  
*Tara Athan, Guido Governatori, Monica Palmirani, Adrian Paschke,  
and Adam Wyner*

The Power of Semantic Rules in Rulelog: Fundamentals and Recent  
Progress (Extended Abstract of Tutorial Presentation) .................... 189  
*Benjamin N. Grosof, Michael Kifer, and Paul Fodor*

Recent Advances in Datalog± ................................................. 193  
*Georg Gottlob, Michael Morak, and Andreas Pieris*

Ontology-Mediated Query Answering with Data-Tractable  
Description Logics ............................................................. 218  
*Meghyn Bienvenu and Magdalena Ortiz*

Answer Set Programming: A Tour from the Basics to Advanced  
Development Tools and Industrial Applications ............................. 308  
*Nicola Leone and Francesco Ricca*

The TPTP World - Infrastructure for Automated Reasoning .............. 327  
*Geoff Sutcliffe*

Towards Embedded Answer Set Solving ....................................... 330  
*Torsten Schaub*

**Author Index** ....................................................................... 333
Reasoning Web. Web Logic Rules
11th International Summer School 2015, Berlin, Germany, July 31 - August 4, 2015, Tutorial Lectures.
Faber, W.; Paschke, A. (Eds.)
2015, IX, 333 p. 46 illus., Softcover
ISBN: 978-3-319-21767-3