LDOW 2013: The 8th Workshop on Linked Data on the Web

Sören Auer
University of Bonn and
Fraunhofer IAIS, Germany
auer@cs.uni-bonn.de

Tim Berners-Lee
World Wide Web Consortium
and Massachusetts Institute of
Technology, USA
timbl@w3.org

Christian Bizer
University of Mannheim,
Germany
chris@informatik.uni-
mannheim.de

Tom Heath
Open Data Institute, UK
tom.heath@theodi.org

ABSTRACT

This paper presents a brief summary of the eight workshop on Linked Data on the Web. The LDOW 2013 workshop is held in conjunction with the World Wide Web conference 2013. The focus is on data publishing, integration and consumption using RDF and other semantic representation formalisms and technologies.

Categories and Subject Descriptors

A [**General Literature**]

Keywords

Linked Data, Data Integration, Web Technology

1. INTRODUCTION

It is our great pleasure to welcome you to the 8th International Workshop on Linked Data on the Web (LDOW2015), associated with WWW 2015. The Web has developed into a global information space consisting not just of linked documents, but also of linked data. More than just a vision, the Web of Linked Data has been brought into being by the maturing of the Semantic Web technology stack, and by the publication of large datasets according to the principles of Linked Data [2, 3, 1]. In 2014, we have seen significant growth in the size of the Web of Data, as well as in the number of communities contributing to its creation. In addition, there is intensive work on applications that consume Linked Data from the Web.

Building on the success of the LDOW workshops at WWW2008 in Beijing, WWW2009 in Madrid, WWW2010 in Raleigh, WWW2011 in Hyderabad, WWW2012 in Lyon, WWW2013 in Rio de Janeiro, and WWW2014 in Seoul, the LDOW2015 workshop provides a forum for presenting

the latest research on Linked Data and drive forward the research agenda in this area. The previous workshops in the series have focused respectively on publication of Linked Data, on Linked Data application architectures, linking algorithms, on user interfaces for the Web of Data, issues of quality, trust and provenance, the challenges of integrating Linked Data from large numbers of data sources, as well as the challenges of mining implicit knowledge from the global Web of Linked Data

The goal of LDOW2015 is to drive the state-of-the-art forward in these areas, while stimulating further research into the use of Linked Data technologies in enterprise settings. The LDOW2015 workshop will provide a forum for exposing high quality, novel research and applications in these areas. In addition, by bringing together researchers in this field, we expect the event to further shape the ongoing Linked Data research agenda. The increasingly mainstream adoption of Linked Data within the Web communities and within enterprises emphasises the relevance of this workshop to the WWW2015 audience.

Putting together LDOW2015 was a team effort. We first thank the authors for their high-quality submission to the workshop. We are grateful to the program committee, who worked very hard in reviewing papers and providing feedback for authors. Finally, we thank the WWW conference organization team for their continuing support of the workshop series.

We hope that you will find this program interesting and thought-provoking and that the workshop will provide you with a valuable opportunity to share ideas with other researchers and practitioners from institutions around the world.

2. SCOPE

The theme of the LDOW2015 is to address the challenges of linked data management. This workshop welcomes papers that address fundamental research issues in this challenging area, with an emphasis on enterprise applications, linked data mining, large-scale integration or quality aspects.

Linked Enterprise Data

- role of Linked Data within enterprise applications (e.g. ERP, SCM, CRM)

- integration of SOA and Linked Data approaches in joint frameworks

- authentication, security and access control approaches for Linked Enterprise Data

- use cases combining closed enterprise data with open data from the Web

Mining the Web of Data

- large-scale derivation of implicit knowledge from the Web of Data

- using the Web of Data as background knowledge in data mining

Integrating Large Numbers of Linked Data Sources

- linking algorithms and heuristics, identity resolution

- schema matching and clustering

- data fusion

- evaluation of linking, schema matching and data fusion methods

Quality Assessment, Provenance Tracking and Licensing

- evaluating quality and trustworthiness of Web data

- profiling and change tracking of Web data sources

- tracking provenance and usage of Web data

- licensing issues in Linked Data publishing

Linked Data Applications

- application showcases including browsers and search engines

- marketplaces, aggregators and indexes for Web data

- visualization and exploration of Web data

- business models for Linked Data publishing and consumption

- Linked Data applications for life-sciences, digital humanities, social sciences etc.

3. PROGRAM COMMITTEE

All accepted papers received at least three single-blind reviews. We would like to thank all PC members for their time and helpful contributions.

- Jose Todesco, *Federal University of Santa Catarina*

- Ali Khalili, *VU University Amsterdam*

- Jun Zhao, *Lancaster University*

- Harald Sack, *Hasso-Plattner-Institute for IT Systems Engineering*

- Hannes Mühleisen, *Centrum Wiskunde & Informatica*

- Felix Naumann, *Hasso Plattner Institute*

- Roger Menday, *Fujitsu Laboratories of Europe*

- Kai Eckert, *University of Mannheim*

- Gunnar Grimnes, *Bakken & Baeck GmbH*

- Thomas Steiner, *Google*

- Andreas Harth, *AIFB, Karlsruhe Institute of Technology*

- Heiko Paulheim, *University of Mannheim*

- Gong Cheng, *Nanjing University*

- Erik Wilde, *Siemens*

- Dimitris Kontokostas, *University of Leipzig*

- Claudia Müller-Birn, *Freie Universität Berlin*

- Herbert Van De Sompel, *Los Alamos National Laboratory*

- Mathieu D'Aquin, *Knowledge Media Institute, the Open University*

- Yuzhong Qu, *Nanjing University*

- Raphaël Troncy, *EURECOM*

- Mariano Consens, *University of Toronto*

- Bernhard Schandl, *mySugr GmbH*

- Stefan Dietze, *L3S Research Center*

- Richard Cyganiak, *Digital Enterprise Research Institute, NUI Galway*

- Oktie Hassanzadeh, *IBM T.J. Watson Research*

- Leigh Dodds, *Freelance Technologist*

- Mischa Tuffield, *State*

- Haklae Kim, *Samsung Electronics*

- Michael K. Bergman, *Structured Dynamics LLC*

- Ian Dickinson, *Epimorphics Ltd.*

- Gregory Todd, *Williams Rensselaer Polytechnic Institute*

4. ACKNOWLEDGMENTS

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