Welcome to

11th ESWC 2014
HERAKLION, CRETE, GREECE

Follow ESWC 2014 on Twitter #eswc2014
Since 2008, according to:

**CORE Conference Portal (alpha)**

Extended Semantic Web Conference (was European Semantic Web Conference)

- **Acronym:** ESWC
- **Source:** CORE2013
  - **Rank:** A
- **Source:** CORE2008
  - **Rank:** A

http://www.core.edu.au/coreportal
Pre-conference days

• 14 Workshops
• 8 Tutorials
• PhD Symposium
• Summarizing sessions and best workshop papers on Thursday
Main conference program

3 Keynote Speakers
Research and In-Use sessions
Today

• Challenge sessions
• Semantic Web Evaluation Challenges
• LinkedUp Challenge
• AI MashUp Challenge
• EU Networking Session

• At the Beach Bar with buffet dinner
Wednesday

Panel

“Data protection and security on the Web”

Panelists:
Harith Alani, Pompeu Casanova, Luciano Floridi, Fabien Gandon, Aldo Gangemi, Steffen Staab, Maria Esther Vidal, Evelyne Viegas
Wednesday

Gala dinner
aperitivo starting at 19:30 with live music

Take pictures during the conference and upload them on
http://bit.ly/1jnaWxM

...we will project them during the party!
Thursday

Poster and Demo Session

Best Workshop Papers

Summary sessions (Workshops, Tutorials, PhD Symposium)

Closing ceremony
Main track statistics

<table>
<thead>
<tr>
<th>Main track submissions</th>
<th>204</th>
</tr>
</thead>
<tbody>
<tr>
<td>accepted</td>
<td>50</td>
</tr>
<tr>
<td>acceptance rate</td>
<td>25%</td>
</tr>
</tbody>
</table>

Average of 4.74 reviews per paper
Accepted papers by topic

- Linked Open Data; 19
- Vocabularies, Schemas, Ontologies; 9
- Social Web and Web Science; 5
- Machine Learning; 4
- In-use & Industrial Track; 9
- Semantic Data Management, Big data, Scalability; 13
- Natural Language Processing and Information Retrieval; 7
- Mobile Web, Sensors and Semantic Streams; 4
- Services, Processes and Cloud Computing; 2
- Cognition; 5
- Policies, rights and governance; 1
- Semantic Data Management, Big data, Scalability; 13
- Natural Language Processing and Information Retrieval; 7
- In-use & Industrial Track; 9
- Linked Open Data; 19
Poster/demo statistics

- Submissions: 113
- Accepted: 63
- Acceptance rate: 0.56
All papers are online on the ESWC website

Research & In-Use, Poster & Demo, SemWebEval, PhD Symposium, EU Projects
Each paper in the proceedings has its own #hashtag
Highlights on the printed program

- Candidate Best Research Paper
- Candidate Best In-Use Paper
- Program Committee Spotlight Paper
- Controversial Paper
Semantic Web Evaluation

Challenges

Three challenges:

1. Semantic Publishing
2. Linked Open Data-enabled Recommender Systems
3. Concept-Level Sentiment Analysis
Semantic Web Journal Special Issue

Best systems and papers of the SemWebEval Track

Description of datasets and evaluation methodologies
Why the poster session has been moved at 9am after the Gala Dinner
ESWC Live
Semantic Web Mobile App

Data
Twitter and Feedback System
Interface

http://2014.eswc-conferences.org/live
In-Use Track

"Semantic Insider" But let's not tell the Data Miners: Intelligent Support for Data Mining
Jörg Lave Kietz, Abraham Bernstein, Rosaia Serban, Simon Fischer

Workshop Track

A Data API With Security and Graph-Level Access Control
Marie Gessert, Barry Norton

Demo Track

A Demonstration of a Natural Language Query Interface to an Event-Based Semantic Web Triplastore
Jonathan Doanis, Richard Frost, Yafei Gao, Robert Stewart, Eric Matthews

Research Track

A Framework for Iterative Signing of Graph Data on the Web
Peter Schaufl, Ansgar Schery, Andreas Kasten

Semantic Evaluation Track

A Fuzzy System For Semantic Sentiment Analysis
Gaila de Oca, Fernando Pereira, Ana Rita Gomes, Marco Dragan

Semantic Evaluation Track

A Hybrid Multi-Strategy Recommender System Using Linked Open Data
Peter Pietsch, Enrico Luce Marigo, Arthur Faubert

Research Track

A Knowledge Based Approach for Tackling Mislabeled Multi-class Big Social Data
Mingxi Guo, Huaxiang Li, Yi Liu, Bei Xu

Workshop Track

A Linked Data Approach to Sentiment and Emotion Analysis of Twitter in the Financial Domain
Carlos A Iglesias, Roberto Maestre, Juan Fernando Sánchez-Rada, Marcos Torres, Esther Peláez
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Details</th>
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<tbody>
<tr>
<td>14:30 - 17:00</td>
<td>WoDOOM Kallia</td>
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<tr>
<td>14:30 - 18:00</td>
<td>EMPIRICAL Clio</td>
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<td>09:30 - 12:30</td>
<td>HSWI Erato</td>
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<tr>
<td>09:30 - 13:00</td>
<td>BabarNet 2.0 Tutorial Melp</td>
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<td>09:30 - 16:00</td>
<td>Visual Analytics with Linked Data and Social Media for e-Governance Tutorial Trialia</td>
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<td>09:00 - 16:30</td>
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<td>16:15 - 16:45</td>
<td>Break Coffee Break No location info provided</td>
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<tr>
<td>14:30 - 18:00</td>
<td>Schema.org and GoodRelations. The Web of Data for E Commerce for Researchers and Practitioners Tutorial Malpo</td>
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</tbody>
</table>
HiBiSCuS: Hypergraph-Based Source Selection for SPARQL Endpoint Federation

Authors

Muhammad Saleem
Axel-Cyrille Ngonga Ngomo

Abstract

Efficient federated query processing is of significant importance to tame the large amount of data available on the Web of Data. Previous works have focused on generating optimized query execution plans for fast result retrieval. However, deriving source selection approaches beyond tuple pattern-wise source selection has not received much attention. This work presents HiBiSCuS, a novel hypergraph-based source selection approach to federated SPARQL querying. Our approach can be directly combined with existing SPARQL query federation engines to achieve the same recall while querying fewer data sources. We extend three well-known SPARQL query federation engines — DART, SLENDER, and FedX — with HiBiSCuS and compare our extensions with the original approaches on FedBench. Our evaluation shows that HiBiSCuS can efficiently reduce the total number of sources selected without losing the recall. Moreover, our approach significantly reduces the execution time of the selected engines on most of the benchmark queries.

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Abstract

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cool

😊 Positive

Select the sentiment for great talk:

- 😊 Positive
- 😞 Negative
- 😞 Neutral

Submit Feedback
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ESWC Sponsors

- Student Grants
- Paper awards
- Poster/Demo Awards
- Challenge Awards
Keynote Speakers

Steffen Staab
Universität Koblenz-Landau, DE
Programming the Semantic Web

Luciano Floridi
Oxford Internet Institute, University of Oxford, UK
Coordination, Semantics, and Autonomy
1 Bad News
1 Good News
Keynote Speakers: Tuesday

Lise Getoor
University of California, US
Combining Statistics and Semantics to Turn Data into Knowledge
cancelled for urgent personal reasons

Volker Tresp
Siemens and Ludwig Maximilian University of Munich, DE
Machine Learning with Knowledge Graphs
Prof. Dr. Steffen Staab

Director of Institute WeST
Web Science and Technologies &
Institute for Computer Science
Faculty of Computer Science of the
University of Koblenz-Landau

- First Prize of the Billion Triple Challenge at ISWC-2008 for Semaplorer
- Ted Nelson newcomer Award at ACM Hypertext 2008
- 1st prize doITSoftware-Award 2004 for Bibster
- ECAI 1998 Best Paper Award