



# ISWC 2011

# The 10th International Semantic Web Conference

## October 23-27, 2011

## Bonn, Germany

### ISWC 2011

ISWC is the major international forum where the latest research results and technical innovations on all aspects of the Semantic Web are presented. In Bonn, scientists from all over the world will meet to present novel and innovative research that demonstrates new trends and addresses scientific challenges for the Semantic Web.

Bonn is a 2000 year old city, founded by the Romans. It is the hometown of Ludwig van Beethoven and the capital of Western Germany from 1949 till 1990. Since then, the city has developed into a hub of international cooperation, particularly in the area of environment and sustainable development. It boasts many historical sites and museums.



Bonn is easy to get to; it is within a little more than one hour's reach from two international airports (Frankfurt am Main and Cologne).

### Key Topics

- Management of Semantic Web Data
- Natural Language Processing
- Ontologies and Semantics
- Semantic Web Engineering
- Social Semantic Web
- User Interfaces to the Semantic Web
- Applications of the Semantic Web

### Main events

- **Research track** presents original, principled research papers addressing both the theory and practice of semantic Web technologies. Abstracts due June 16, full papers due June 23, 2011.
- **Semantic Web In Use track** presents papers describing innovative use of Semantic Web technologies in real-life applications. Papers due June 23, 2011.
- **Doctoral Consortium** provides an opportunity for doctoral students to present their current progress and future plans and to get advice on their work. Papers due July 11, 2011.
- **Posters and Demos** present the latest developments in the field and showcase Semantic Web systems. Submissions due August 15, 2011.
- **Tutorials** offer hands-on guidance on using key Semantic Web technologies. Tutorial proposals due May 6, 2011.
- **Interactive Workshops** discuss hot topics and new research areas. Workshop proposals due April 15, 2011.
- **Semantic Web Challenge** provides a forum for the best Semantic Web applications to compete.
- **2nd Linked Data-a-thon**. The main goal of the competition is to develop innovative applications that showcase the benefits of Linked Data ... in two weeks!
- **Industrial Track** enables the business community to present products that use or enrich the Semantic Web.

<http://iswc2011.semanticweb.org>  
E-mail: [confsec@uni-koblenz.de](mailto:confsec@uni-koblenz.de)

### Keynote speakers



#### **Sandy Pentland, Massachusetts Institute of Technology (MIT), US**

Alex 'Sandy' Pentland directs MIT's Human Dynamics Laboratory and the MIT Media Lab Entrepreneurship Program, and advises the World Economic Forum, Nissan Motor Corporation, and a variety of start-up firms. He has previously helped create and direct MIT's Media Laboratory, the Media Lab Asia laboratories at the Indian Institutes of Technology, and Strong Hospital's Center for Future Health. Profiles of Sandy have appeared in many publications, including the New York Times, Forbes, Harvard Business Review, Newsweek, Caring Magazine (Hospice), and Odyssey Magazine (Children). His most recent book is 'Honest Signals,' published by MIT Press.



#### **Gerhard Weikum, Max-Planck-Institute for Informatics (MPI), DE**

Gerhard Weikum is a Research Director at the Max-Planck Institute for Informatics (MPI) in Saarbruecken, Germany, where he is leading the department on databases and information systems. He is also an adjunct professor in the Department of Computer Science of Saarland University in Saarbruecken, Germany, and he is a principal investigator of the Cluster of Excellence on Multimodal Computing and Interaction. Earlier he held positions at Saarland University in Saarbruecken, Germany, at ETH Zurich, Switzerland, at MCC in Austin, Texas, and he was a visiting senior researcher at Microsoft Research in Redmond, Washington. He received his diploma and doctoral degrees from the University of Darmstadt, Germany.



#### **Frank van Harmelen, Vrije Universiteit Amsterdam, NL**

Frank van Harmelen is a professor in Knowledge Representation & Reasoning in the AI department (Faculty of Science) at the Vrije Universiteit Amsterdam. After studying mathematics and computer science in Amsterdam, he moved to the Department of AI in Edinburgh, where he was awarded a PhD in 1989 for his research on meta-level reasoning. While in Edinburgh, he co-developed a logic-based toolkit for expert systems, and worked with Prof. Alan Bundy on proof planning for inductive theorem proving. After his PhD research, he moved back to Amsterdam where he worked from 1990 to 1995 in the SWI Department under Prof. Wielinga, on the use of reflection in expert systems, on the formal underpinnings of the CommonKADS methodology for Knowledge-Based Systems. In 1995 he joined the AI research group at the Vrije Universiteit Amsterdam, where he co-lead the On-To-Knowledge project, one of the first Semantic Web projects. He was appointed full professor in 2002, and is leading the Knowledge Representation and Reasoning Group. He was one of the co-designers of the OWL Web Ontology Language. He is currently scientific director the LarkC project (<http://www.larkc.eu>), aiming to develop the Large Knowledge Collider, a platform for very large scale semantic web reasoning.

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