

PRELIMINARY CALL FOR PAPERS

ISWC 2008 • Karlsruhe DE • 26-30 October 2008



The Web continues to grow and new technologies, modes of interactions, and applications are being developed. Building on this growth, Semantic Web technologies aim at providing a shared semantic information space, changing qualitatively our experiences on the Web. As Semantic Web technologies mature and permeate more and more application areas, new research challenges are coming to the fore and some unsolved ones are becoming more acute. These issues include creating and managing Semantic Web content, making Semantic Web applications robust and scalable, organizing and integrating information from different sources for novel uses, making semantics explicit in order to improve our overall experience with information technologies, and thus enabling us to use the wealth of information that is currently available in digital form for addressing our everyday tasks. To foster the exchange of ideas and collaboration, ISWC brings together researchers in relevant disciplines such as artificial intelligence, databases, social networks, distributed computing, web engineering, information systems, natural language processing, and human-computer interaction.

ISWC 2008 will include a Research track, Semantic Web In Use track, a poster and demonstration track, a doctoral consortium, and the Semantic Web Challenge. The research track solicits the submission of original, principled research papers dealing with both analytical theoretical and practical aspects of Semantic Web research. Papers of the latter type are encouraged to present repeatability of their experiments, and share with the community their data and test harnesses. Topics include, but are not limited to, the following.

Applications of the Semantic Web

- Applications with clear lessons learned or evaluations
- Semantic Web for large scale applications
- Semantic Web technologies for Multimedia and sensors
- Personal Information Management
- Semantic Web middleware and services
- Semantics in peer-to-peer systems and grids

Management of Semantic Web Data

- Languages, tools and methodologies for representing and managing Semantic Web data
- Database, IR and AI technologies for the Semantic Web
- Search, query, integration, analysis and visualization on the Semantic Web
- Robust and scalable knowledge management and reasoning on the Web
- Machine learning and information extraction for the Semantic Web
- Cleaning, assurance, trust, provenance of Semantic Web data, services and processes

Ontologies

- Ontology modeling, reuse, extraction, and evolution
- Ontology mapping, merging, and alignment
- Searching and ranking ontologies
- Ontology evaluation

Social Semantic Web

- Social networks and processes on the Semantic Web
- Semantic web technology for collaboration and cooperation
- Representing and reasoning about trust, privacy, and security

User Interfaces

- Interacting with Semantic Web Data
- Semantic Web content creation and annotation
- Mashing up Semantic Web data and processes

Tentative Dates

– *subject to change* –

Research track

Semantic Web In Use Track Doctoral Consortium Tracks

- Submissions: May 16
- Notification: July 11
- Camera ready: August 15

Posters/Demos

- Submissions: July 25
- Notification: September 5
- Camera ready: Sept 19

Semantic Web Challenge

- Submissions: July 4
- Notification: August 1
- Camera-ready: Sept 5

Workshop proposals

- Proposals: Feb 29
- Notification: March 28

Workshops (suggested)

- Submissions: July 25
- Notifications: Sept 5
- Camera ready: Sept 26

Tutorials

- Proposals: May 16
- Notification: June 6
- Notes: October 3

Organization

General chair

Tim Finin, UMBC

Program chairs

Amit Sheth, Wright State
Steffen Staab, Koblenz

Local arrangements

Rudi Studer, Karlsruhe

Sponsorship chairs

John Dominique, Open Univ.
Benjamin Groszof, Vulcan

Questions

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