The vision of the Semantic Web is to enhance today's Web by exploiting machine-processable metadata. The explicit representation of the semantics of data, enriched with domain theories (ontologies), will enable a web that provides a qualitatively new level of service. It will weave together a large network of human knowledge and makes this knowledge machine-processable. Various automated services will help the users to achieve their goals by accessing and processing information in machine-understandable form. This network of knowledge systems will ultimately lead to truly intelligent systems, which will be employed for various complex decision-making tasks. Semantic Web research can benefit from ideas and cross-fertilization with many other areas: Artificial Intelligence, Natural Language Processing, Databases and Information Systems, Information Retrieval, Multimedia, Distributed Systems, Social Networks and Web Engineering. Many advances within these areas can contribute towards the realization of the Semantic Web.

The 6th Annual European Semantic Web Conference (ESWC2009) will present the latest results in research and applications of Semantic Web technologies. ESWC2009 will also feature a tutorial program, system descriptions and demos, a posters track, a PhD Symposium and a number of collocated workshops. The calls for these events are separate and can be found on the conference Web site (http://www.eswc2009.org/calls).

ESWC2009 is sponsored by STI International, Semantic Technology Institutes International. For more information on STI International, please visit http://www.sti2.org .

Topics of Interest

Topics of interest to the conference include, but are not limited to:

1. Semantic Web Data and Ontologies

- Interoperability of data on the Semantic Web
- Technologies for linked data
- Database Technologies for the Semantic Web
- Semantic Annotation of Data
- Searching, Querying, Visualizing, Navigating and Browsing the Semantic Web
- Query Languages and Optimization for the Semantic Web
- Rule Languages for the Semantic Web
- Ontology Management (creation, evolution, evaluation, etc.)
- Ontology Alignment (mapping, matching, merging, mediation and reconciliation)
- Ontology Learning and Metadata Generation (e.g., HLT and ML approaches)

2. Semantic Web Services

- Service Description, Composition, and Discovery
- Service Orchestration and Choreography
- Service Testing, Verification, and Validation
- Service Monitoring, Adaptation and Management
- SLA Modeling and Management
- Quality of Services, Security, and Dependability
- Service Engineering
- Service Deployment, Execution, Infrastructures, and Architectures

3. Semantic Web Architectures

- Semantics in P2P Computing
- Semantics in Grid Computing
- Semantics in Middleware

4. Applications on the Semantic Web

- Multimedia and Semantic Web
- Semantic Web Trust, Privacy, Security and Intellectual Property Rights
- Interoperability of applications on the Semantic Web
- Data mining on the Semantic Web
- Personalization and User Modelling
- User Interfaces and Semantic Web

- Semantic Web-based Knowledge Management (e.g. Semantic Desktop, Knowledge Portals)
- Semantic Web for e-Business, e-Science, e-Health, e-Culture, e-Government, e-Learning and other application domains
- Social networks and processes on the Semantic Web
- Semantic web technology for collaboration and cooperation

5. Design and Evaluation of Semantic Web Applications and Technologies

- Usability
- Performance and scalability
- Quality
- Cost modeling
- Testing and validation

We particularly welcome application papers which clearly show benefits of Semantic Web technologies in practical settings.

Important Dates:
Papers

Abstract Submission	December 08, 2008	(compulsory)
Full Paper Submission	December 15, 2008	(11:59 pm Hawaii time)
Notification	February 23, 2009	
Camera Ready	March 09, 2009	

Demos

Submission	January 16, 2009	(11:59 pm Hawaii time)
Notification	February 23, 2009	
Camera Ready	March 09, 2009	

Posters

Submission	March 23, 2009	(11:59 pm Hawaii time)
Notification	April 20, 2009	
Camera Ready	May 11, 2009	

In-Use Track

Submission	December 15, 2008	(11:59 pm Hawaii time)
Notification	February 23, 2009	
Camera Ready	March 09, 2009	

Workshops

Proposal Submission	November 22, 2008	(11:59 pm Hawaii time)
Notification	December 08, 2008	

Tutorials

Proposal Submission	January 07, 2009	(11:59 pm Hawaii time)
Notification	January 21, 2009	

Panels

Proposal Submission	February 02, 2009	(11:59 pm Hawaii time)
Notification	February 23, 2009	
Final Panel Description	March 09, 2009	

Phd Symposium

Submission	January 16, 2009	(11:59 pm Hawaii time)
Notification	February 23, 2009	
Camera Ready	March 09, 2009	

Submissions

ESWC2009 welcomes the submission of original research and application papers dealing with all aspects of the Semantic Web. We particularly encourage the submission of papers on industrial efforts and experiences with Semantic Web projects. We encourage theoretical, methodological, empirical, and applications papers.

The proceedings of this conference will be published in Springer's Lecture Notes in Computer Science series. Paper submission and reviewing for ESWC2009 will be electronic via the conference submissions site. Papers should not exceed fifteen (15) pages in length and must be formatted according to the information for LNCS authors.

Papers must be submitted in PDF (Adobe's Portable Document Format) format and will *not* be accepted in any other format. Papers that exceed 15 pages or do not follow the LNCS guidelines risk being rejected automatically without a review. Authors of accepted papers will be required to provide semantic annotations for the abstract of their submission -- details of this process will be provided on the conference Web page at the time of acceptance. At least one author of each accepted paper must register for the conference.

For more information about the **Springer's Lecture Notes in Computer Science (LNCS)** [please click here](#)
.

Papers have to be submitted electronically at:

[Submission of Research Papers](#)

Best Paper Award

An award will be given to the best paper (or papers) submitted to the conference as judged by the Program Chairs in collaboration with the Program Committee.