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. In addition to the regular research and workshop programme, ESWC2009 invites tutorials on relevant topics of interest (see below). A tutorial should present the state of the art of a Semantic Web area, enabling attendees to fully appreciate the current issues, main schools of thought and possible application areas.

ESWC2009 tutorials may be either for a full day or for a half day. Unless there is a clear rationale we will give preference to half day tutorials over full day tutorials.

Tutorials proposed for ESWC2009 should cover one topic in appropriate depth and present it in a appropriate manner which enables attendees to fully comprehend and apply emerging Semantic Web technologies. Although tutorials may focus entirely on theoretical aspects, we encourage hands-on sessions where appropriate.

Important Dates

Proposal Submissions: January 7, 2009 (11:59 pm Hawaii time)

Notification: January 21, 2009

For accepted tutorials, the presenters will need to submit the material for hand-outs (the slide sets and / or additional information; software installation and usage guides for practical hands-on sessions) to the organization committee for preprinting and placement on the ESWC2009 website.

Submission

Tutorial proposals should not exceed 5 pages and should contain the following information:

- abstract (200 words maximum, for inclusion on the ESWC2009 website)
- tutorial description (aims, target audience, presentation method, technical requirements)
- justification for the tutorial, including timeliness and relevance to ESWC2009
- outline of the tutorial content and schedule
- information on presenters (name, affiliation, expertise, experiences in teaching and in tutorial presentation)

Tutorial proposals are to be submitted as single pdf files using the ESWC2009 Tutorials submission system at

[Submisson of Tutorials](#)

Submitted proposals that follow the above guidelines will be reviewed by the ESWC2009 organizing committee with respect to relevance of the topic, content and presentation method, and presenters expertise.

Tutorial Chairs

Philippe Cudre-Mauroux (MIT, US)

Chiara Ghidini (Fondazione Bruno Kessler, IT)

Conference Topics of Interest and Area Keywords

Topics of interest for ESWC2009 tutorials include, but are not limited to the following:

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