



2nd Call for Papers 2nd European Semantic Web Conference

May 29 to June 1, 2005

Heraklion, Crete (Greece)

<http://www.eswc2005.org/>

The vision of the Semantic Web is to enhance today's web via the exploitation of machine-processable meta data. The explicit representation of the semantics of data, accompanied with domain theories (Ontologies), will enable a web that provides a qualitatively new level of service. It will weave together an incredibly large network of human knowledge and will complement it with machine processability. Various automated services will help the user to achieve goals by accessing and providing information in machine-understandable form. This process may ultimately create extremely knowledgeable systems with various specialized reasoning services systems. Many technologies and methodologies are being developed within Artificial Intelligence, Human Language Technology, Machine Learning, Databases, Software Engineering and Information Systems that can contribute towards the realization of this vision.

The 2nd Annual European Semantic Web Conference will present the latest results in research and application in semantic web technologies (including knowledge mark-up languages, semantic web services, ontology management and more). ESWC 2005 will also feature a special industry-oriented event providing European industry with an opportunity to become even more familiar with these technologies. It will offer a tutorial program to get up to speed with European and global developments in this exciting new area.

ESWC 2005 is co-located with a meeting of the Knowledge Web Network of Excellence. Workshops and meetings of other European Commission 6th Framework Programme projects involved in the semantic web and semantic web technologies will be able to showcase their developments.

ESWC 2005 is sponsored by SDK — a group of three European Commission 6th Framework Programme projects known as SEKT, DIP and Knowledge Web. Together these projects aim to improve world-wide research and standardisation in the area of the Semantic Web. For more information on SDK, please visit www.sdk-cluster.org.

SUBMISSIONS

ESWC 2005 welcomes the submission of good original research and application papers dealing with all aspects of the semantic web, particularly those relating to the subject areas indicated by the topics below. We particularly encourage the submission of papers relating to industrial efforts and experiences with semantic web projects. We also 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 ESWC 2005 will be electronic, via the conference WWW site: <http://www.eswc2005.org>. Papers, due to December 15th, 2004, should not exceed fifteen (15) pages in Springer LNCS format.

IMPORTANT DATES

Full Paper Submission: December 15, 2004 (extended)

Acceptance Notification: February 15, 2005

Camera-Ready Papers due: March 30, 2005

Conference: May 29-June 1, 2005

CONFERENCE TOPICS OF INTEREST AND AREA KEYWORDS

Topics of interest to the conference include:

- Languages, Tools and Methodologies for Semantic Annotation of Web Data
- (Semi-)automatic ontology learning and metadata generation (Including HLT and machine learning approaches)
- Ontology Management (creation, alignment, merging, evolution, evaluation, linking, mediation and reconciliation)
- Semantic Web Services (service description, discovery, invocation, composition)
- Semantic Web-based Knowledge Management
- Data Semantics
- Database Technologies for the Semantic Web
- Semantic Knowledge Portals
- Semantic Brokering
- Semantic Interoperability
- Semantic Web Mining
- Semantic Web Inference Schemes
- Semantic Web Trust, Privacy, Security and Intellectual Property Rights
- Semantic Web for e-Business and e-Learning
- Semantic Searching and Querying
- Reasoning in the Semantic Web
- Visualization and modelling

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