

## The Second Call for Research Papers

1st Asian Semantic Web Conference (ASWC2006)  
September 3(Sunday) –7(Thursday), 2006  
Beijing, China  
<http://www.aswc2006.org/>

The vision of the Semantic Web is to make the contents of the Web unambiguously computer interpretable, enabling automation of a diversity of tasks currently performed by human beings. The goal of providing semantics and automated reasoning capabilities to the Web draws upon research in a broad range of areas including Artificial Intelligence, Databases, Software Engineering, Distributed Computing and Information Systems. Contributions to date have included languages for semantic annotation of Web documents, automated reasoning capabilities for Web languages, ontologies, query and view languages, semantic translation of Web contents, semantic integration middleware, technologies and principles for building multi-agent and Grid systems, semantic interoperation of programs and devices, technologies and principles for describing, searching and composing Web Services, and more.

The 1st Asian Semantic Web Conference (ASWC2006) has been established to foster research and development of the Semantic Web and its related technology in Asia. ASWC will be run by [ASWC steering committee](#) in harmony with the sister conferences such as International Semantic Web Conference (ISWC) and European Semantic Web Conference (ESWC).

ASWC2006 solicits research paper submissions for the research and industrial tracks:

Research Track  
Industrial Track

ASWC2006 also solicits poster/demo papers after the research paper notification and encourages the submission of proposals for workshops and tutorials. Please watch the ASWC2006 Web site for pertinent details.

### Research paper submissions

The research track of ASWC2006 solicits the submission of original, principled research papers dealing with theoretical, methodological, empirical and application-related aspects of the Semantic Web. The industrial track solicits the submission of innovative and practical industrial application papers. Papers must clearly demonstrate relevance to the Semantic Web. Topics include but are not limited to the following:

Case Study of Semantic Web Application	Semantic Information Extraction and Semantic Annotation
Data Semantics	Semantic Integration and Interoperability
Database Technologies for the Semantic Web	Semantic Multimedia
Evaluation of Semantic Web Techniques	Semantic Web for e-Business, e-Government and e-Learning
Knowledge Portals	Semantic Web Inference Schemes
Languages, Tools and Methodologies for Semantic Web Data	Semantic Web Middleware
Large Scale Knowledge Management	Semantic Web Mining
Machine Learning and Natural Language Technologies for the Semantic Web	Semantic Web Services (description, discovery, invocation, composition)
Ontologies (creation, merging, linking and reconciliation)	Semantic Web Trust, Privacy, Security and Intellectual Property Rights
Peer to Peer Systems	Tools and Methodologies for Web Agents
Searching, Querying and Viewing the Semantic Web	User Interfaces
Semantics in Peer to Peer and Grids	Visualization and Modeling
Semantic Brokering	

### Submission Details

Research papers for both tracks must be submitted electronically at [submission page](#). Papers must be submitted in either PostScript or PDF (Adobe's Portable Document Format) format. Papers will not be accepted in any other format.

Research paper submissions must be formatted in the style of the [Springer Publications format](http://www.springer.com/sgw/cda/frontpage/0,11855,5-164-2-72376-0,00.html) <http://www.springer.com/sgw/cda/frontpage/0,11855,5-164-2-72376-0,00.html> for Lecture Notes in Computer Science (LNCS). Papers must be no longer than 15 pages in the format. Over-length papers will be rejected. **Accepted papers of both research and industrial tracks are published by Springer as LNCS.**

ASWC2006 will not accept papers which, at the time of submission, are under review for or has already been published or accepted for publication in a journal or another conference. In addition to oral presentation, authors of accepted papers may have the option of presenting their papers, plus any recent extensions to their work, at the Poster session of ASWC2006.

Please watch <http://www.aswc2006.org/> for changes.

### **Important dates:**

March 15, 2006 Research paper submissions due  
March 31, 2006 Workshop and tutorial proposal submissions due  
April 25, 2006 Workshop and tutorial acceptance notification  
May 25, 2006 Research paper acceptance notification  
June 20, 2006 Research camera-ready papers due  
September 3, 2006 ASWC2006 Tutorial & Workshop Day  
September 4, 2006 ASWC2006 Workshop Day  
September 5 - 7, 2006 ASWC2006 Technical Program.

### **Organizing committee**

#### **Conference Chair**

Fausto Giunchiglia  
University of Trento, Italy  
<http://dit.unitn.it/~fausto/>

#### **Local Conference Co-Chairs:**

Bo Zhang, Tsinghua University, China  
Ruqian Lu, Chinese Academy of Science  
Shiqiang Yang, Tsinghua University, China

#### **Local Organizing Chair:**

Juanzi Li, Tsinghua University, China

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Hai Zhuge, Chinese Academy of Science  
Maosong Sun, Tsinghua University, China

#### **Workshop Co-Chairs:**

Marco Ronchetti, University of Trento, Italy  
GuoHui Li, National University of Defense  
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#### **Industrial Track Co-Chairs:**

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Vilas Wuwongse, Asian Institute of Technology,  
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Xinsheng Mao, IBM CSDL, China

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Riichiro Mizoguchi  
Osaka University, Japan  
<http://www.ei.sanken.osaka-u.ac.jp/>

#### **Local Co-Chair:**

Zhongzhi Shi, Chinese Academy of Science

#### **PC members list** can be found at

<http://www.aswc2006.org/chairs.html>

#### **Demo Co-Chairs:** Michal Zaremba, DERI, Ireland

Guangwen Yang, Tsinghua University, China

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