

CALL FOR PAPERS

2006 IEEE International Conference on Web Services (ICWS 2006)

Celebrating the 60th Anniversary of IEEE Computer Society!
September 18-22, 2006, Hyatt Regency at O'Hare Airport, Chicago, USA
<http://conferences.computer.org/icws/2006>

Sponsored by IEEE Computer Society
Technical Committee on Services Computing (tab.computer.org/tcsc)

The 2006 IEEE International Conference on Web Services (ICWS 2006) will be part of the IEEE Computer Society Congress on Software Technology and Engineering Practice (CoSTEP), celebrating the 60th Anniversary of IEEE Computer Society! ICWS 2006 organizing committee invites you to participate in the fourth year of ICWS in Chicago, USA on 18-22 September 2006.

ICWS has been a prime international forum for both researchers and industry practitioners to exchange the latest fundamental advances in the state of the art and practice of Web Services. ICWS also aims to identify emerging research topics and define the future of Web Services. Over the past four years, ICWS has grown steadily, attracting over 200 participants on a regular basis. **ICWS 2005** was held on July 11-15, 2005 in Orlando, Florida, USA; **ICWS 2004** was held on July 6-9, 2004 in San Diego, California, USA; **ICWS 2003** was held on June 23-26, 2003 in Las Vegas, Nevada, USA.

ICWS 2006 will be co-located with the 2006 IEEE International Conference on Services Computing (SCC 2006), the 30th Annual International Computer Software and Applications Conference (COMPSAC 2006), and the 2006 IEEE Workshops on Software Technology and Engineering Practice (STEP 2006). IEEE Services Oriented Architecture (SOA) Industry Summit and IEEE International Services Computing Contest will also be featured at this joint event.

The technical program will include refereed paper presentations, panels, and poster sessions in both research and industry tracks. Workshops and tutorials will run before and throughout the conference.

ICWS 2006 program seeks original, unpublished research papers reporting substantive new work in various aspects of Web services. Papers must properly cite related work and clearly indicate their contributions to the field of Web services. Topics of interest include but not limited to:

- Mathematical Foundations for Web Services Computing
- Web Services-based Service Oriented Architecture
- Web Services Modeling
- Web Services Standards and Implementation Technologies
- Web Services Specifications and Enhancements (e.g., UDDI, SOAP, WSDL)
- Web Services Discovery
- Web Services Composition and Integration
- Web Services Invocation
- QoS for Web Services (e.g., security, privacy, reliability, performance, fault tolerance, etc.)
- Web Services Assessment (i.e., validation & verification)
- Web Services-based Testing Methodologies
- Web Services-based Software Engineering
- Web Services-based Project Management
- Semantic Web Services
- IT Infrastructure Management for Web Services
- Solution Management for Web Services
- Multimedia Web Services
- Web Services-based Business Process Management

- Web Services-based Mobile Computing
- Web Services-based Grid Applications (e.g. OGSA)
- Domain Specific Web Services Applications and Solutions

All submitted manuscripts will be peer-reviewed by at least 3 program committee members. Accepted papers will appear in the conference proceedings in both hardcopy and on-line version published by the IEEE Computer Society. Extended versions of selected best papers published in the ICWS 2006 will be invited for publication in the International Journal of Web Services Research (JWSR), the International Journal of Business Process Integration and Management (IJBPI), and the International Journal of Grid and Utility Computing (IJGUC). **Both the ICWS Proceedings and JWSR are included in EI Compendex.**

Submitted manuscripts will be limited to 8 (IEEE Proceedings style) pages and required to be formatted using [the IEEE Proceedings template](#). Electronic submission of manuscripts (in PDF or Word format) is required. Detailed instructions for electronic paper preparation and submission, panel proposals, tutorial proposals, and review process can be found at <http://conferences.computer.org/icws/2006/>. At least one author of each accepted paper is required to register for the conference and present the paper. One Best Paper award and between one to three Best Student Paper Awards will be granted at ICWS 2006. The first author of the best student papers must be full-time student.

If your paper is application or solution oriented, you can consider submitting it to ICWS 2006 Industry Track via its dedicated online submission and review system. Manuscripts submitted to the Research Track focusing on application or solution descriptions may be recommended to the Industry Track for further considerations. Submitted papers with novel ideas but not accepted by the Research Track and Industry Track due to space limitation may also be recommended to the Work-in-Progress Track.

Important Dates:

Abstract Submission Deadline: **January 16, 2006, extended to January 31, 2006**

Paper Submission Due Date: **January 16, 2006**, extended to January 31, 2006

Decision Notification (Electronic): **April 24, 2006**

Camera-Ready Copy Due Date & Pre-registration Due: **May 31, 2006**

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