

# Call for Papers

(Download here the PDF version of the ICWE 2007 Call for Papers)

The Seventh International Conference on Web Engineering (ICWE2007) will be held in July 2007 in Como, Italy. ICWE2007 aims at promoting research and scientific excellence on Web Engineering and at bringing together practitioners, scientists, and researchers interested in technologies, methodologies, tools, and techniques used to develop and maintain Web-based applications and to enable and improve the dissemination and use of Web-related content.

## Web Engineering

The World Wide Web and its associated technologies have become a major implementation and delivery platform for a large variety of applications, ranging from simple institutional information websites to sophisticated supply-chain management systems, financial applications, e-government, distance learning, and entertainment, among others. Such applications, in addition to their intrinsic functionality, also exhibit the more complex behavior of distributed applications.

Recently, there have been some advances towards re-framing the development - both design and implementation - of Web applications as a disciplined and systematic endeavor. However, the vast majority of existing applications have been developed in an ad-hoc way, leading to problems of maintainability, quality and reliability. Web applications are software artifacts, and as such can benefit by making use of established practices stemming from several related disciplines such as Software Engineering, Hypermedia, Information Systems and HCI, enabling creation, management and reuse of structures of the information space as well as enhancing the end user experience. In addition, it has its own characteristics that must be addressed, such as a varied user population, very short development turnaround times, diverse runtime environments, accessibility through multiple devices, etc.

Web Engineering addresses these issues and focuses on systematic, disciplined and quantifiable approaches towards the cost-effective development and evolution of high-quality, ubiquitously usable Web-based systems and applications.

## Main topics

The topics of interest include, but are not restricted to:

- Web application development
- Collaborative Web application development
- Design models and methods
- Component-based Web engineering
- Web services-based applications
- Web 2.0, AJAX, E4X and other new developments
- Web architectures and application frameworks
- Semantic Web engineering
- Hypertext models and their application on the Web

- Reuse and integration
  - Web design patterns and pattern mining
  - Web content management
  - Web personalization
  - Engineering approaches to Semantic Web applications
  - Engineering of Semantic Web services
  - Adaptive Web applications
  - Web quality and Web metrics
  - Web usability and accessibility
  - Testing and evaluation of Web systems and applications
  - Deployment of Web applications
  - Performance modeling, monitoring and evaluation
  - Localization and internationalization of Web applications
  - Social Web applications
  - Mobile Web applications
- Empirical Web engineering

#### Call for Research Papers

Authors of research papers must explain the relationship of their work to the Web Engineering discipline in their submission. Research paper must comprise substantial innovative discussion with respect to the related work and must be well motivated and presented. Paper submissions should be formatted according to the LNCS guidelines and must not be longer than 15 (fifteen) pages.

#### Important Dates

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Submission of papers: February 17, 2007

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Notification of paper acceptance: April 1, 2007

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Deadline for camera-ready versions: April 19, 2007

Demos, Workshops, Tutorials, Industrial Papers, and PhD symposium

ICWE2007 will host, next to the regular full-paper track, a number of other activities and presentations: tutorials, workshops, tool demonstrations, industry papers, and doctoral consortium presentations.

To assure an optimal allocation in the conference program, the selection of these contributions is handled through a unified process. Please refer to the specific calls for additional details:

- Call for Workshops
- Call for Tutorials
- Doctoral Consortium
- Industrial Papers
- Call for Demos
- Publishing

Publishing of accepted works

The conference proceedings will be published as Springer Verlag LNCS (on paper and on CD). Official proceedings will include: research papers, PhD papers, industry papers, demo papers, and summaries of tutorials and workshops.

Workshop papers will be published in a unified volume as a technical report.

Submission to the conference implies the willingness to subscribe and participate to the event for presenting the submitted work. Final versions of accepted papers must strictly adhere to the Springer Verlag LCNS formatting style (you can find MS Word and Latex templates on the Springer Web site) and must include a printable final (camera ready) version file and all source files. No changes to such formatting rules are permitted. Authors of accepted papers must also download and sign a copyright form that will be made available on the Web site of the conference.