



# Call for Papers Research

## 29<sup>th</sup> International Conference on Software Engineering

Minneapolis, Minnesota, USA, 20-26 May 2007

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ICSE is the premier forum for researchers, practitioners and educators to present and discuss the most recent innovations, trends, results, experiences and concerns in the field of software engineering.

The theme of ICSE 2007 is **Developing Dependable Software**, with which we acknowledge the increasingly crucial role the engineering of software plays in business, healthcare, government and society at-large. The theme also highlights the growing responsibility our profession and its members are expected to assume. As such, an important goal of this meeting will be to reach out to other engineering and scientific disciplines that have an impact upon or benefit from software engineering know-how.

We invite **high quality** submissions of technical papers describing original and unpublished results of theoretical, empirical, conceptual, and experimental software engineering research. Incremental improvements over previously published work should have been evaluated through systematic empirical or experimental evaluation. Submissions of papers describing groundbreaking approaches to emerging problems will be considered based on timeliness and potential impact. Topics of interest for ICSE include, but are not limited to:

- Software requirements engineering
- Software architecture and design
- Patterns and frameworks
- Software components and reuse
- Software testing and analysis
- Theory and formal methods
- Computer supported cooperative work
- Human-Computer Interaction
- Software processes and workflows
- Engineering secure software
- Software dependability, safety and reliability
- Reverse engineering and maintenance
- Program comprehension and visualization
- Software economics and metrics
- Empirical software engineering
- Aspect-orientation and feature interaction
- Engineering of distributed/parallel SW systems
- Engineering of embedded and real-time software
- Software engineering for mobile, ubiquitous and pervasive systems
- Software tools and development environments
- SW Configuration management and deployment
- Software policy and ethics
- Programming languages
- AI and Knowledge based software engineering
- Internet and information systems development
- End user software engineering

**How to submit.** Papers must be submitted electronically through the conference web site. Your paper must conform to the proceedings publication format described at <http://www.icse-conferences.org/2007/> and be no longer than ten pages with main text in 10 point font, including all text, references, appendices, and figures. Templates are available at the conference web site. Your submissions should be in PDF format. Submissions that exceed the page limit or do not comply with the proceedings format will be desk rejected without review. The results described must not be under consideration for publication elsewhere.

**Lasting impact** on our profession and the society at large is the overarching goal for ICSE 2007. Format changes, novel initiatives, exceedingly high expectations, an exceptionally talented team, and an unprecedented level of support by the local corporate community are some of the ingredients bound to facilitate a fertile exchange of ideas and experiences likely to affect the professional life of each participant. The conference will offer an exciting program of events, including keynote talks by leaders in the field, invited talks along specialized themes, tutorials, workshops, and technical paper presentations on innovative research, the cutting edge of practice, and new developments in software engineering education.

**Other opportunities for professional engagement** include, in addition to the research track: workshops, tutorials, research demonstrations, exhibits, and paper presentations in the areas of education and experience from practice. The doctoral symposium and new faculty symposium will help young researchers gain a head start in their chosen profession. Following the tradition established at other ACM conferences, ICSE will for the first time have a student research contest that will judge undergraduate student's research projects.

**Conference Information** will be available on the conference web site, which has been designed to be a working document offering up-to-date news on all conference events, submission instructions and deadlines, hotel information, registration, tourist information, travel, etc. The continuously updated web pages will help you plan your involvement in the conference. We encourage you to bookmark this web site.

### Important Research Submission Dates

Research paper submission	8 September 2006
Author notification	16 December 2006
Camera ready deadline	5 February 2007

<http://www.icse-conferences.org/2007/>

