28th International Conference on Software Engineering

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http://www.icse-conferences.org/2006/

Shanghai 2006

Call for Papers: Achievements and Challenges

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Achievements and Challenges Chair
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The technical program of ICSE 2006 will include a new Track focusing on major achievements and core challenges in Software Engineering. The objective is to identify and describe precisely both the critical issues that had to be addressed in order to permit the major software achievements, and the deep and enduring technical challenges which remain in theory and practice.

Scope. Achievements: There have been major software engineering contributions in many application domains, from air traffic control systems to genomic research, from automobile systems to healthcare. These achievements required that various deep software engineering issues were addressed and implemented. We are interested in identifying the core and enduring technical problems overcome, and in illustrations of their utility.

Challenges: Similarly, there are major systems currently being implemented or planned, or major research thrusts, where the software engineering aspects pose huge challenges and/or raise new fundamental research issues. We are interested in identifying these core technical problems, in work which poses possible solutions, and in illustrations of their utility.

The papers in this track will serve to raise the profile of software engineering, in its contribution to enabling major applications and raising interesting and fundamental research questions. Original and unpublished submissions are solicited which precisely identify and discuss fundamental technical achievements and challenges. These may take the form of the following:

- Case Studies that required the solution of some fundamental, technical software engineering problem in an industrial or organizational setting.
- Problem Statements that identify fundamental, technical problems that will need to be solved to progress some field or application.

Review and Evaluation Criteria. At least two members of the Achievements and Challenges Program Committee will review each submission. The program committee as a whole will then meet to review and discuss the submissions and make final decisions about which submissions to accept for presentation at the conference.

Submissions will be evaluated based on the following criteria:

- significance of the technical software engineering problem,
- the significance of the contribution,
- clarity of the motivation for the work,
- the soundness of the rationale or demonstration,
- the quality of the written presentation, and
- comparison with relevant research and other literature.

Submission Structure. Your paper must conform to the ICSE 2006 Format and Submission Guidelines and should not exceed ten pages (including all text, figures, references and appendices). The results described must be unpublished and should not be under review elsewhere.

Important Dates

Submissions Due	30 October 2005
Notification of Acceptance	20 December 2005
Camera-ready Copy Due	24 February 2006

Acceptance. Each accepted submission will be allotted a maximum of ten pages in the ICSE 2006 conference proceedings. The final version of accepted papers must conform to the ICSE 2006 Format and Submission Guidelines.

Contact

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