36th International Conference on Software Engineering

ICSE 2014

Hyderabad, India • May 31 - June 7, 2014

Conference Organization

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Doctoral Symposium
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Most Influential Paper ICSE N-10 Award
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ACM Student Research Competition
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New Faculty and Researcher Symposium
Satish Chandra, IBM Research, USA
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Demonstrations
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Call for Technical Research Papers

ICSE is the premier forum for researchers to present and discuss the most recent innovations, trends, outcomes, experiences, and challenges in the field of software engineering.

We invite high quality submissions of research papers describing original and unpublished results, pertaining to all aspects of software engineering and particularly topics relevant to today's emerging practices and realities. We encourage all types of work, and especially encourage papers that assess the state of the art in the field, its research trajectory, and core assumptions that may or may not hold in the future.

ICSE is a selective conference, but welcomes innovative ideas that are well presented, timely, and have high likely impact, even if the findings are preliminary or not yet (fully) evaluated. Naturally, all submissions must position themselves within the existing literature, describe the relevance of the results to certain software engineering goals, and include a clear motivation and presentation of the work.

New this year

To guide the authors in preparing their submissions and to establish a consistent set of expectations in the review process, all authors are asked, as part of the online submission process, to self-identify their papers with one or more of the following categories:

- *Analytical*: A paper in which the main contribution relies on new algorithms or mathematical theory. Examples include new bug prediction techniques, model transformations, algorithms for dynamic and static analysis, and reliability analysis. Such a contribution must be evaluated with a convincing analysis of the algorithmic details, whether through a proof, complexity analysis, or run-time analysis, among others and depending on the objectives.
- *Empirical*: A paper in which the main contribution is the empirical study of a software engineering technology or phenomenon. This includes controlled experiments, case studies, and surveys of professionals reporting qualitative or quantitative data and analysis results. Such a contribution will be judged on its study design, appropriateness and correctness of its analysis, and threats to validity. Replications are welcome.
- *Technological*: A paper in which the main contribution is of a technical nature. This includes novel tools, modeling languages, infrastructures, and other technologies. Such a contribution does not necessarily need to be evaluated with humans. However, clear arguments, backed up by evidence as appropriate, must show how and why the technology is beneficial, whether it is in automating or supporting some user task, refining our modeling capabilities, improving some key system property, etc.
- *Methodological*: A paper in which the main contribution is a coherent system of broad principles and practices to interpret or solve a problem. This includes novel requirements elicitation methods, process models, design methods, development approaches, programming paradigms, and other methodologies. The authors should provide convincing arguments, with commensurate experiences, why a new method is needed and what the benefits of the proposed method are.
- *Perspectives*: A paper in which the main contribution is a novel perspective on the field as a whole, or part thereof. This includes assessments of the current state of the art and achievements, systematic literature reviews, framing of an important problem, forward-looking thought pieces, connections to other disciplines, and historical perspectives. Such a contribution must, in a highly convincing manner, clearly articulate the vision, novelty, and potential impact.

All papers are full papers, and papers may belong to more than one category. Note that papers from any research area can fall into any of these categories, as the categories are constructed surrounding methodological approaches, not research topics (e.g., one could write an analytical paper on a new analysis technique, an empirical paper that compares a broad range of such techniques, a technological paper that makes an analysis technique practically feasible and available, or a perspectives paper that reviews the state of the art and lays out a roadmap of analysis techniques for the future).

Evaluation

Submissions that are not in compliance with the required submission format or that are out of the scope of the conference will be rejected without reviewing.

Submitted papers must comply with ACM plagiarism policy and procedures (http://www.acm.org/publications/policies/plagiarism_policy). Papers submitted to ICSE 2014 must not have been published elsewhere and must not be under review or submitted for review elsewhere while under consideration for ICSE 2014.

All submissions that meet the criteria and fit the scope of the conference will be reviewed by at least two members of the Program Committee. Submissions will be evaluated on the basis of originality, evaluation, soundness, importance of contribution, quality of presentation, and appropriate comparison to related work.

ICSE this year will adopt a program board model in order to better process the increasing number of submissions that it has been receiving each year. The Program Board will work with the Program Committee to make the final decisions about which submissions are accepted for presentation at the conference.

If you and your co-authors have not previously published a research paper at an ICSE conference, you may want to consider the ICSE 2014 mentoring program (http://icse2014.acm.org/mentoring).

How to submit

All submitted papers must conform to the ICSE 2014 formatting and submission instructions, and must not exceed 10 pages for the main text, inclusive of figures, tables, appendices, etc. References may be included on up to two additional pages. All submissions must be in PDF.

Papers must be submitted electronically by the stated deadline. The deadline is firm and not negotiable. The submission website, along with other details and updates, will be available at http://2014.icse-conferences.org/.

Important Dates

Paper Submission:	September 13, 2013
Notification:	January 17, 2014
Camera ready:	February 28, 2014

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