



Call for Papers: First Call

The 27th IEEE/ACM International Conference on
AUTOMATED SOFTWARE ENGINEERING (ASE 2012)

September 3 – 7, 2012, Essen, Germany

<http://ase2012.paluno.uni-due.de/>

Software engineering is concerned with the analysis, design, implementation, testing, and maintenance of large software systems. Automated software engineering focuses on how to automate or partially automate these tasks to achieve significant improvements in quality and productivity. ASE 2012 encourages contributions describing basic research, novel applications, and experience reports. In all cases, papers should carefully describe the relevance of their contributions to the automation of software engineering tasks. The ASE On-line Bibliography can serve as a reference for potential contributors: <http://www.ase-conferences.org/olbib/index.html>. Solicited topics include, but are not limited to:

Automated reasoning techniques	Open systems development
Component-based systems	Product line methods
Computer-supported cooperative work	Program understanding
Configuration management	Program synthesis
Data mining and software engineering	Program transformation
Domain modeling and meta-modeling	Re-engineering
Empirical software engineering	Requirements engineering
Human-computer interaction	Specification languages
Knowledge acquisition and management	Software Analysis
Maintenance and evolution	Software architecture and design
Model-based software development	Software visualization
Model-driven engineering	Testing, verification, and validation
and model transformation	Tutoring, help,
Modeling language semantics	and documentation systems

All accepted papers will be published by the Association for Computing Machinery (ACM). ASE 2012 will accept two categories of paper to the main conference:

1) **Technical Papers** should describe innovative research in automating software development activities or automated support to users engaged in such activities. They should describe a novel contribution to the field and should carefully support claims of

novelty with citations to the relevant literature. Where a submission builds upon previous work of the author(s), the novelty of the new contribution must be clearly described with respect to the previous work. Papers should also clearly discuss how the results were validated.

2) **Experience Papers** should describe a significant experience in applying automated software engineering technology and should carefully identify and discuss important lessons learned so that other researchers and/or practitioners can benefit from the experience. Of special interest are experience papers that report on industrial applications of automated software engineering.

Submissions under both categories should not exceed 10 pages in the two-column conference format (see note below). Papers will be administratively rejected and will not be reviewed if they exceed the 10-page limit or use condensed formatting. For guidelines and formatting files, see:

<http://www.acm.org/sigs/publications/proceedings-templates>.

Papers submitted to ASE 2012 must not have been previously published and must not be under review for publication elsewhere. Papers must strictly adhere to submission guidelines. Authors are strongly encouraged to explain the relationship between the submission and any other related works from the authors, including ones under review elsewhere, in the appropriate place in the submitted paper.

All papers that conform to submission guidelines will be peer-reviewed by PC members. Papers may be accepted either as full papers or as short papers. In this last case the camera-ready should be no longer than 4 pages. All accepted short papers will be presented in a poster session.

IMPORTANT DATES

Abstract Submission	Feb. 24, 2012 (Fri.)
Paper Submission	March 2, 2012 (Fri.)
Notification of acceptance	June 18, 2012 (Mon)

PROGRAM COMMITTEE CHAIRS

Tim Menzies (West Virginia University)

Motoshi Saeki (Tokyo Institute of Technology)