FSE 2014

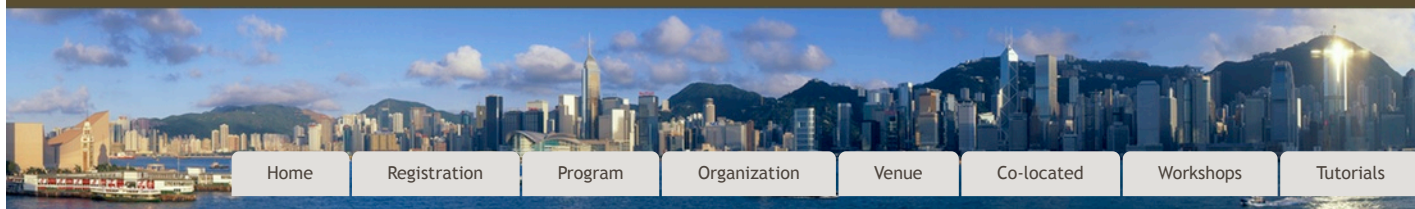**22nd ACM SIGSOFT International Symposium on**

Foundations of Software Engineering

November 16–21, 2014, Hong Kong

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Call for Research Papers

We invite high quality submissions describing original and unpublished results of theoretical, empirical, conceptual, and experimental software engineering research. Contributions should describe innovative and significant original research relevant to FSE. Submissions of papers describing groundbreaking approaches to emerging problems will also be considered. Submissions that facilitate reproducibility by using available data sets or making the described tools publicly available are especially encouraged. Papers submitted for consideration should not have been already published elsewhere and should not be under review or submitted for review elsewhere during the duration of consideration. Specifically, authors are required to adhere to the ACM Policy and Procedures on Plagiarism and the ACM Policy on Prior Publication and Simultaneous Submissions.

Topics of Interest

- Architecture and design
- Aspect-orientation
- Autonomic computing and (self-)adaptive systems
- Big data
- Cloud computing
- Components, services, and middleware
- Computer-supported cooperative work
- Configuration management and deployment
- Crowdsourcing
- Debugging
- Dependability, safety, and reliability
- Development tools and environments
- Distributed, parallel, and concurrent software
- Education
- Embedded and real-time software
- Empirical software engineering
- End-user software engineering
- Formal methods
- Green computing
- Human and social factors in software engineering
- Human-computer interaction
- Knowledge based software engineering
- Mobile, ubiquitous, and pervasive software
- Model-driven software engineering
- Patterns and frameworks
- Policy and ethics
- Processes and workflows
- Program analysis
- Program comprehension and visualization
- Program synthesis
- Programming languages
- Refactoring
- Requirements engineering
- Reverse engineering
- Safety-critical systems
- Scientific computing
- Search-based software engineering
- Security and privacy
- Software economics and metrics
- Software evolution and maintenance
- Software product lines
- Software reuse
- Software services
- Specification and verification
- Testing
- Traceability
- Web-based software

How to Submit

At the time of submission all papers must conform to the FSE 2014 Format and Submission Guidelines, and must not exceed 10 pages for all text and figures plus a reasonable number of additional pages for references (abstract: 250 words max). All submissions must be in English and in PDF format. Submissions that do not comply with the above instructions will be desk rejected without review. Papers must be submitted electronically through the FSE submission site. Each submission will be reviewed by at least two members of the Program Committee. Submissions will be evaluated on the basis of originality, importance of contribution, soundness, evaluation, quality of presentation and appropriate comparison to related work. The program committee as a whole will make final decisions about which submissions to accept for presentation at the conference.

All publications are subject to the ACM Author Representations policy.

Important Dates

- Full paper submission date: March 16, 2014 (23:59:59 AOE, AOE Time Reference)
- Notification date: June 16, 2014
- Camera ready date: August 18, 2014

New: ACM SIGSOFT will make the conference proceedings in the ACM Digital Library fully open for download two weeks prior to the conference.

Program Chairs

Alessandro (Alex) Orso
Georgia Institute of Technology, USA

Margaret-Anne (Peggy) Storey
University of Victoria, Canada

Program Committee

The FSE 2014 program committee is listed here: http://fse22.gatech.edu/pc

Artifact Evaluation

Results presented in technical papers are often validated or supported by software artifacts. To reward the effort of creating artifacts, authors of accepted research paper may, if they wish, have their tools, data or model evaluated by the Artifact Evaluation Committee. After the research paper notification, authors of accepted papers will be contacted to submit their artifact for evaluation. (Authors are also encouraged to make available online, when applicable and at the time of their submission, research artifacts related to their submitted work.) Artifacts that are positively evaluated, will be formally recognized in the proceedings and at the conference. To recognize the contribution of a significant and high-quality research artifact, the program committee will select one of the accepted papers to receive a "Best Artifact Award".

Artifact Evaluation Committee

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- Sonia Haiduc, Florida State University
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