

FM2014

Singapore
May 12 - 16 2014

FM2014 is the nineteenth in a series of symposia organized by Formal Methods Europe, an independent association whose aim is to stimulate the use of, and research on, formal methods for software development. The symposia have been notably successful in bringing together innovators and practitioners in precise mathematical methods for software and systems development, industrial users, as well as researchers. Submissions are welcomed in the form of original papers on research and industrial experience, proposals for workshops and tutorials, entries for the exhibition of software tools and projects, and reports on ongoing doctoral work.

SCOPE AND TOPICS

It will have the goal of highlighting the development and application of formal methods in connection with a variety of disciplines such as medicine, biology, human cognitive modeling, human automation interactions and aeronautics, among others. FM 2014 particularly welcomes papers on techniques, tools and experiences in interdisciplinary frameworks, as well as on experience with practical applications of formal methods in industrial and research settings, experimental validation of tools and methods as well as construction and evolution of formal methods tools. The broad topics of interest for FM2014 include but are not limited to:

- Interdisciplinary formal methods: techniques, tools and experiences demonstrating formal methods in interdisciplinary frameworks.
- Formal methods in practice: industrial applications of formal methods, experience with introducing formal methods in industry, tool usage reports, experiments with challenge problems. Authors are encouraged to explain how the use of formal methods has overcome problems, lead to improvements in design or provided new insights.
- Tools for formal methods: advances in automated verification and model-checking, integration of tools, environments for formal methods, experimental validation of tools. Authors are encouraged to demonstrate empirically that the new tool or environment advances the state of the art.
- Role of formal methods in software and systems engineering: development processes with formal methods, usage guidelines for formal methods, method integration. Authors are encouraged to demonstrate that process innovations lead to qualitative or quantitative improvements.
- Theoretical foundations: all aspects of theory related to specification, verification, refinement, and static and dynamic analysis. Authors are encouraged to explain how their results contribute to the solution of practical problems.

Accepted papers will be published in the Symposium Proceedings, to appear in Springer's Lecture Notes in Computer Science. Submitted papers should have not been submitted elsewhere for publication, should be in Springer's format.

General Chair

Jin Song Dong, NUS, Singapore

PC Co-Chairs

Cliff B Jones: Newcastle University, UK
Pekka Pihlajasaari:
Data Abstraction (Pty) Ltd., South Africa
Jun Sun: SUTD, Singapore

Important Dates

Abstracts due: **November 7, 2013**
Full papers due: **November 14, 2013**
Acceptance Notification: **February 1, 2014**
Industry Track Submission: **January 16, 2014**
Conference Date: **May 14-16, 2014**

More Information

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PAPER SUBMISSION

Papers will be evaluated by at least three members of the Program Committee. They should be in Springer LNCS format and describe, in English, original work that has not been published or submitted elsewhere. Papers should be submitted through the FM 2014 EasyChair web site: <http://www.comp.nus.edu.sg/~pat/FM2014/submission.html>.

We solicit two categories of papers:

Regular papers should not exceed 15 pages (including appendices), describing fully developed work. Authors of papers reporting experimental work are strongly encouraged to make their experimental results available for use by reviewers. Similarly, case study papers should describe significant case studies and the complete development should be made available for use by reviewers.

Tools papers of a maximum of 4 pages should describe an operational tool and its contributions; 2 additional pages of appendices are allowed that will not be included in the proceedings. Tool papers should explain enhancements made compared to previously published work. A tool paper need not present the theory behind the tool but can focus more on its features, and how it is used, with screen shots and examples. Authors of tools papers should make their tool available for use by reviewers.