

CALL FOR PAPERS - SEFM 2010

The 8th IEEE International Conference on SOFTWARE ENGINEERING AND FORMAL METHODS (SEFM) Pisa, Italy 13--18 September 2010

URL: <http://www.sefm2010.isti.cnr.it>

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IMPORTANT DATES

- Title and abstract submission deadline: **29 March 2010**
- Paper submission deadline: **6 April 2010**
- Acceptance/rejection notification: **15 May 2010**
- Camera-ready version due: **15 June 2010**

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BACKGROUND AND OBJECTIVES

The aim of the conference is to bring together practitioners and researchers from academia, industry and government to advance the state of the art in formal methods, to facilitate their uptake in the software industry and to encourage their integration with practical engineering methods.

Papers that combine formal methods and software engineering are especially welcome.

Authors are invited to submit original research or tool papers on any relevant topic. These can either be normal or short papers.

Short papers can discuss new ideas which are at an early stage of development and which have not yet been thoroughly evaluated.

TOPICS

Topics of interest include, but are not limited to:

- formal requirement analysis, specification and design
- programming languages, program analysis and type theory
- formal methods for service-oriented and cloud computing
- formal aspects of security and mobility
- model checking, theorem proving and decision procedures
- formal methods for real-time, hybrid and embedded systems
- formal methods for safety-critical, fault-tolerant and secure systems
- software architecture and coordination languages
- component, object and multi-agent systems
- formal aspects of software evolution and maintenance
- formal methods for testing, re-engineering and reuse
- light-weight and scalable formal methods
- tool integration
- applications of formal methods, industrial case studies and technology transfer

KEYNOTE SPEAKERS

* Carlo Ghezzi, Italy

* Dimitra Giannakopoulou, USA

* Dusko Pavlovic, UK/USA

LOCATION

The conference will be held at the Area della Ricerca CNR, Pisa, Italy (<http://www.area.pi.cnr.it>)

SUBMISSION AND PUBLICATION

Submissions to the conference must not have been published or be concurrently considered for publication elsewhere. All submissions will be peer-reviewed and judged on the basis of originality, contribution to the field, technical and presentation quality, and relevance to the conference.

All papers must be written in English. Research and tool papers must not exceed 10 pages in the IEEE format while short papers must not exceed 5 pages in the IEEE format.

Instructions for authors are available at: <http://computer.org/cspress/instruct.htm>.

LaTeX and MS Word **8.5x11x2** document classes (or template) can be downloaded from the website at <ftp://pubftp.computer.org/Press/Outgoing/proceedings/>:

- Latex style package: [IEEE_CS_Latex8.5x11x2.zip](#)
- MS Word Template: [instruct8.5x11x2.doc](#)
- PDF Instruction file: [instruct8.5x11x2.pdf](#)

All queries on the submissions should be sent to: pc_chair@sefm2010.isti.cnr.it.

Papers must be submitted electronically via the EasyChair System.
<http://www.easychair.org/conferences/?conf=sefm10>

The IEEE Computer Society Press will publish the proceedings of the conference.

Special Issue of FACJ: the Formal Aspects of Computing journal will dedicate a special issue to SEFM 2010, for which authors of selected papers will be invited to submit a journal version of their conference paper.

IMPORTANT DATES

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| * Workshop submission deadline: | 20 January, 2010 |
| * Title and abstract submission deadline: | 22 March, 2010 EXTENDED to 29 March 2010 |
| * Paper submission deadline: | 29 March, 2010 EXTENDED to 6 April 2010 |
| * Tutorial submission deadline: | 15 April, 2010 |
| * Acceptance/rejection notification: | 20 May, 2010 |
| * Camera-ready version due: | 15 June, 2010 |

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