



6th International Conference on Software Engineering and Formal Methods

Cape Town, South Africa - 10–14 November, 2008

<http://www.iist.unu.edu/SEFM08>**Conference Chair**

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Program Co-chairsAntonio Cerone, Macau SAR China
Stefan Gruner, South Africa**Finance Chair**

Mike Hinchey, USA

Local Arrangement Chair

Anet Potgieter, South Africa

Keynote SpeakerRobert Giacobazzi, Italy
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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 scale up their application in software industry and to encourage their integration with practical engineering methods. Authors are invited to submit both research and tool papers. The scientific program will include invited talks, paper and tool presentations, tool demonstrations, tutorials, workshops and a special track on Service Engineering for Next Generation Networks and Converged Telecom and Web 2.0 Services.

Location, Accommodation and Transportation

The conference will be held at the Upper Campus of the University of Cape Town. The Campus is about 10km from Cape Town city area and 14km from the airport, and sits on the slopes of Devil's Peak, overlooking the Victorian style Rondebosch suburb of Cape Town. Accommodation will be available in the city as well as in the Rondebosch area, where most UTC students live. The conference organisation will provide daily safe transportation from the recommended city/Rondebosch accommodations to the conference venue.

Topics

Topics of interest include, but are not limited to:

- requirement analysis and specification
- software specification, verification and validation
- component-based development
- programming languages and type theory
- formal models for service-oriented computing
- web and grid computing
- formal aspects of security and mobility
- model checking for software and hardware systems
- theorem proving and decision procedures
- program analysis
- fault-tolerant computing
- embedded systems
- real-time and hybrid systems theory
- analysis of safety-critical systems
- interactive systems and human error analysis
- software architectures and their description languages
- object and multi-agent systems, aspect oriented development
- coordination and feature interaction
- formal aspects of software evolution and maintenance
- formal methods for testing, re-engineering and reuse
- light-weight formal methods
- CASE tools and tool integration
- applications of formal methods and industrial case studies
- socio-economic implications of the use of formal methods.

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. Papers must be written in English and not exceed 10 pages in IEEE Two-Column Format. Instructions for authors and LaTeX document classes are available at http://www.computer.org/portal/pages/cscps/cps/cps_forms.html. Detailed information on the submission procedure is available on the conference website. All queries should be sent to: sefm2008@iist.unu.edu.

The proceedings of the conference will be published by the IEEE Computer Society Press. The authors of a selection of the best papers presented at the conference will be invited to submit extended versions of their works for publication in Springer's "International Journal on Software and Systems Modelling".

Important Dates

- **Title and abstract submission deadline: 31 May 2008 (EXTENDED)**
- **Paper submission deadline: 7 June 2008 (EXTENDED)**
- Acceptance/rejection Notification: 16 July 2008
- Camera-ready version due: 16 August 2008