

SEFM 2017

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[Sep 06, 2017 1:00 pm - Sep 10, 2017 6:00 pm CEST](#)

15th International Conference on SOFTWARE ENGINEERING AND FORMAL METHODS (SEFM 2017)

The conference aims to bring together leading researchers and practitioners 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 within practical software engineering methods and tools.

The topics of interest for submission include, but are not limited to the following aspects of software engineering and formal methods:

- New frontiers in software architecture: self-adaptive, service-oriented and cloud computing systems; component, object and multi-agent systems; real-time, hybrid and embedded systems; reconfigurable systems.
- Software verification and testing: model checking, theorem proving and decision procedures; verification and validation; probabilistic verification and synthesis; testing, re-engineering and reuse.
- Software development methods: requirement analysis, modeling, specification and design; light-weight and scalable formal methods; software evolution, maintenance and reuse.
- Application and technology transfer: case studies, best practices and experience reports; tool integration; education; HCI, interactive systems and human error analysis.
- Security and safety: security and mobility; safety-critical, fault-tolerant and secure systems; software certification.
- Design principles: programming languages; domain specific languages; type theory; abstraction and refinement.

We are pleased to have three invited speakers for SEFM 2017:

- Marsha Chechik, University of Toronto, Canada
- Jeff Kramer, Imperial College London, UK
- Alberto Sangiovanni-Vincentelli, Berkeley University, USA

Committees

Information about all committees can be found at <http://sefm17.fbk.eu/committees>.

Co-Chairs:

Alessandro Cimatti, Fondazione Bruno Kessler, Italy
Marjan Sirjani, Malardalen University, Sweden

Event Details

Location: Trento, Italy

URL: <http://sefm17.fbk.eu/>

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