

FMICS 2013

18th International Workshop on
Formal Methods for Industrial Critical Systems
September 23-24, 2013
Madrid (Spain)
Co-located with SEFM 2013
<http://lvi.info.ucl.ac.be/Fmics2013>

Call for Papers

Scope

The aim of the FMICS workshop series is to provide a forum for researchers who are interested in the development and application of formal methods in industry. In particular, FMICS brings together scientists and engineers who are active in the area of formal methods and interested in exchanging their experiences in the industrial usage of these methods. The FMICS workshop series also strives to promote research and development for the improvement of formal methods and tools for industrial applications.

Topics

Topics of interest include (but are not limited to):

- Design, specification, code generation and testing based on formal methods.
- Methods, techniques and tools to support automated analysis, certification, debugging, learning, optimization and transformation of complex, distributed, real-time systems and embedded systems.
- Verification and validation methods that address shortcomings of existing methods with respect to their industrial applicability (e.g., scalability and usability issues).
- Tools for the development of formal design descriptions.
- Case studies and experience reports on industrial applications of formal methods, focusing on lessons learned or identification of new research directions.
- Impact of the adoption of formal methods on the development process and associated costs.
- Application of formal methods in standardization and industrial forums.

Paper Submission

Submissions must describe authors' original research work and their results. Contributions should not exceed 15 pages formatted according to the LNCS style (Springer), and should be submitted as Portable Document Format (PDF) files using the [EasyChair submission site](https://www.easychair.org/conferences/?conf=fmics2013):

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All submissions must report on original research. Submitted papers must not have previously appeared in a journal or conference with published proceedings and must not be concurrently submitted to any other peer-reviewed workshop, symposium, conference or archival journal. Any partial overlap with any such published or concurrently submitted paper must be clearly indicated.

Submissions should clearly demonstrate relevance to industrial application. Case study papers should identify lessons learned, validate theoretical results (such as scalability of methods), or provide specific motivation for further research and development.

All submissions will be reviewed by the program committee who will make a selection among the submissions based on the novelty, soundness and applicability of the presented ideas and results. A printed version of the proceedings will be distributed among participants during the workshop. The proceedings of the workshop will be published in the Springer series Lecture Notes in Computer Science (LNCS).

Participants will give a presentation of their papers in twenty minutes, followed by a ten-minute round of questions and discussion on participants' work.

Following the tradition of the past editions, a special issue of an international scientific journal ([Science of Computer Programming](#) or [STTT](#)) will be devoted to FMICS 2013. Selected participants will be invited to submit an extended version of their papers after the workshop. These extended versions will again be reviewed by a program committee, which will decide on their final publication in the special issue.

Important Dates

- **Paper submission:** May 3rd
- **Notification:** June 24th
- **Final version due:** July 12th
- **Workshop:** September 23th-24th

Program Committee

Chairs:

- Michael Dierkes (Rockwell Collins, France)
- Charles Pecheur (Université catholique de Louvain, Belgium)

PC Members (confirmed):

- Maria Alpuente (Universitat Politècnica de València, Spain)
- Jiri Barnat (Masaryk University, Czech Republic)
- Eckhard Böde (Offis, Germany)
- Jean-Louis Colaço (Prover Technology, France)
- Cindy Eisner (IBM, Israel)
- Alessandro Fantechi (Università di Firenze, Italy)
- Andrew Gacek (Rockwell Collins, USA)
- Maria del Mar Gallardo (University of Málaga, Spain)
- Stefania Gnesi (ISTI-CNR, Italy)
- Gordon Haak (Daimler AG, Germany)
- Holger Hermanns (Saarland University, Germany)
- Stefan Kowalewski (RWTH Aachen, Germany)
- Juliana Küster Filipe Bowles (University of St Andrews, UK)
- Frédéric Lang (INRIA Grenoble Rhône-Alpes, France)
- Diego Latella (ISTI-CNR, Italy)
- Odile Laurent (Airbus, France)
- Stefan Leue (University of Konstanz, Germany)
- Amel Mammar (Telecom SudParis, France)
- Tiziana Margaria (University of Potsdam, Germany)
- Radu Mateescu (INRIA Grenoble Rhône-Alpes, France)
- Pedro Merino (University of Málaga, Spain)
- Dave Parker (University of Birmingham, UK)
- Corina Pasareanu (CMU / NASA Ames, USA)
- Jan Peleska (Universität Bremen, Germany)
- Ralf Pinger (Siemens AG, Germany)
- Andreas Podelski (University of Freiburg, Germany)
- Christophe Ponsard (CETIC, Belgium)
- Marco Roveri (FBK-IRST, Italy)
- Cristina Seceleanu (Mälardalen University, Sweden)
- Marielle Stoelinga (University of Twente, Netherlands)
- Jaco van de Pol (University of Twente, Netherlands)