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Scope of the Workshop:
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, these workshops bring together scientists
and engineers that are active in the area of formal methods and interested
in exchanging their experiences in the industrial usage of these methods.
These workshops also strive to promote research and development for the
improvement of formal methods and tools for industrial applications.

Invited Speakers:
This year, FMICS will feature four outstanding invited speakers - two out-
standing academic scientists and two prominent industrialists working in
top companies with emphasis on formal methods for critical systems.

- Aarti Gupta, NEC Labs USA.
- Axel Simon, Technical University of Munich, Germany.
- Bert van Beek, Technical University of Eindhoven, The Netherlands.
- Stephan Tobies, European Microsoft Innovation Center, Aachen, Germany.

List of Accepted Papers:

- Wilfried Steiner and Bruno Dutertre: “SMT-Based Formal Verification of a
  TTEthernet Synchronization Function”.
- Lars Kristensen and Michael Westergaard: “Automatic Structure-based
  Code Generation from Coloured Petri Nets: A Proof of Concept”.
- Frank Werner and David Farag: “Correctness of Sensor Network Applications
  by Software Bounded Model Checking”.
  Automated Translator for Model Checking Time Constrained Workflow Sys-
  tems”.
- Despo Galataki, Andrei Radulescu, Kees Verstoep and Wan Fokkink:
  “Embedded Network Protocols for Mobile Devices”.
- Alessio Ferrari, Alessandro Fantechi, Daniele Grasso and Gianluca Magnani:
  “The Metro Rio ATP case study”.
- Wei Wei and Jeremy W. Bryans: “Formal analysis of BPMN models using
  Event-B”.
- Joerg Brauer, Andy King and Stefan Kowalewski: “Range Analysis of Mi-
  crocontroller Code using Bit-Level Congruences”.
- Michael Altenhofen and Achim D. Brucker: “Practical Issues with Formal
  Specifications Lessons Learned from an Industrial Case Study”.
- Radu Mateescu and Wendelin Serwe: “A Study of Shared-Memory Mutual
  Exclusion Protocols using CADP”.
- Michael Gerke, and Rdiger Ehlers, Bernd Finkbeiner and Hans-Jrg Peter:
  “Model Checking the FlexRay Physical Layer Protocol”.
- Sebastian Kern and Javier Esparza: “Automatic Error Correction of Java
  Programs”.
- Alexei Iliasov, Elena Troubistsyna, Linas Laibinis, Alexander Romanovsky,
  Kimmo Varpaaniemi, Dubravka Ilic and Timo Latvala: “De-
  veloping mode-rich satellite software by refinement in Event B”.

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