

MOD* 2014

Affiliated with iFM 2014: The 11th International Conference on Integrated Formal Methods

The 1st Workshop on Logics and
MODEL-checking for self-* systems

12 September 2014, Bertinoro, Italy

Call for Papers

Logics and model-checking have been successfully used in the last decades for modeling and verification of various types of hardware and software systems. While most languages and techniques emerged in a context of monolithic systems with a limited self-adaptability, modern systems require approaches able to cope with dynamically changing requirements and emergent behaviors. The emphasis on system reconfigurability has not been followed by an adequate research effort, and the current state of the art lacks logics and model checking paradigms that can describe and analyze complex modern systems in a comprehensive way.

This workshop aims at filling this gap by bringing together researchers and practitioners with the goal of pushing forward the state of the art on logics and model checking, with particular attention on the specification and verification of systems in the following (and further) categories:

- self-adaptive systems
- self-reconfiguring systems
- self-organizing systems
- cyber-physical systems
- hybrid systems
- elastic systems
- multi-agent systems

The workshop focuses on demonstrating the applicability of Formal Methods in practical contexts. Therefore, both methodological/theoretical and industrial/applicative papers are welcome.

Important Dates

- June 9, 2014: Abstract submissions
- June 16, 2014: Submission of regular papers
- July 21, 2014: Notification of paper acceptance/rejection
- August 8, 2014: Camera-ready copies of accepted papers
- September 12, 2014: Workshop

Organizers

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