CALL FOR PARTICIPATION

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10th International Conference on integrated Formal Methods (iFM 2013)
June 10 - 14, 2013 - Turku, Finland
http://www.it.abo.fi/iFM2013/
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OBJECTIVES AND SCOPE
Applying formal methods may involve modeling different aspects of a
system which are best expressed using different formalisms. Correspondingly,
many different analysis techniques may be used to examine
different system views, different kinds of properties, or simply in order
to cope with the sheer complexity of the system. The iFM conference
series seeks to further research into hybrid approaches to formal
modeling and analysis; i.e., the combination of (formal and semi-formal)
methods for system development, regarding modeling and analysis, and
covering all aspects from language design through verification and
analysis techniques to tools and their integration into software
engineering practice.

This edition of the integrated Formal Methods conference is dedicated to
Professor Kaisa Sere, Åbo Akademi University (1954-2012).
Professor Emil Sekerinski, one of Kaisa's closest scientific
collaborators, will give a short lecture for remembering Kaisa.

SCHEDULE
The iFM schedule is here: http://www.it.abo.fi/iFM2013/schedule.php.

Invited speakers
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- Jean-Raymond Abrial, Marseille, France:
  From Z to B and then Event-B: Assigning Proofs to Meaningful Programs
- Susanne Graf, VERIMAG, France:
  Knowledge for the Distributed Implementation of Constrained Systems
- Kim Larsen, Aalborg University, Denmark:
  Priced Timed Automata and Statistical Model Checking
- Cosimo Laneve, University of Bologna, Italy:
  An Algebraic Theory for Web Service Contracts

In addition, the following 25 papers will be presented at the conference:
1. Thai Son Hoang and Simon Hudon. Progress Concerns as Design Guidelines
3. Kenneth Lausdahl. Translating VDM to Alloy
4. Dimitrios Vekris, Frederic Lang, Catalin Dima and Radu Mateescu. Verification of EB3 Specification using CADP
5. Murat Moran, James Heather and Steve Schneider. Automated Anonymity Verification of ThreeBallot Voting System
7. Frédéric Gava, Jean Fortin and Michael Guedj. Deductive Verification of State-space Algorithms
8. Daisuke Ishii, Guillaume Melquiond and Shin Nakajima. Inductive Verification of Hybrid Automata with Strongest Postcondition Calculus
9. Songzheng Song, Lin Gui, Jun Sun, Yang Liu and Jin Song Dong. Improved Reachability Analysis in DTMC via Divide and Conquer
10. Andreas Morgenstern, Manuel Gesell and Klaus Schneider. Solving Games Using Incremental Induction
11. Fu Song and Tayssir Touili. Model-Checking Software Library API Usage Rules
15. Ramsay Taylor, Kirill Bogdanov and John Derrick. Automatic Inference of Erlang Module Behaviour
17. Elvira Albert, Jesús Correas, German Puebla and Guillermo Román-Diez. Quantified Abstractions of Distributed Systems
19. Shuang Liu, Yang Liu, Étienne André, Christine Choppy, Jun Sun, Bimlesh Wadhwa and Jin Song Dong. A Formal Semantics for Complete UML State Machines with Communications
20. Stefan Ciobaca. From Small-step Semantics to Big-step Semantics, Automatically
22. Ernst-Ruediger Olderog and Mani Swaminathan. Structural Transformations for Data-Enriched Real-Time Systems

WORKSHOPS AND TUTORIALS
iFM 2013 is accompanied by the following workshops and tutorials:

- CompMod 2013: The 4th International Workshop on Computational Models for Cell Processes
- Rodin User and Developer Workshop 2013
- BCS FACS 2013 Refinement Workshop 2013
- Tutorial: Specification and Proof of Programs with Frama-C

IMPORTANT DATES
- Early registration deadline: 12.5.2013
- Conference: 12-14.6.2013
- Workshops and tutorials: 10-11.6.2013

REGISTRATION
The early registration fee for iFM 2013 is 350 euro, including lunches, coffee breaks, proceedings and the social events. Accompanying persons
are also welcome to the social events for 150 euro/person. Early registration is open until May 12, 2013. From May 13, 2013 to June 11, 2013, late registration will be open, for 450 euro.

The registration to iFM 2013 can be done on the web:

iFM PROGRAMME COMMITTEE CHAIRS:
- Einar Broch Johnsen, University of Oslo, Norway
- Luigia Petre, Åbo Akademi University, Finland

iFM 2013 TUTORIALS and WORKSHOPS CHAIR
Pontus Boström, Åbo Akademi University, Finland

iFM 2013 ORGANIZING COMMITTEE CHAIR
Luigia Petre, Åbo Akademi University, Finland

PROGRAM COMMITTEE
- Erika Abraham, RWTH Aachen University, Germany;
- Elvira Albert, Complutense University of Madrid, Spain;
- Marcello Bonsangue, Leiden University, the Netherlands;
- Phillip J Brooke, Teesside University, UK;
- Ana Cavalcanti, University of York, UK;
- Dave Clarke, Catholic University of Leuven, Belgium;
- John Derrick, University of Sheffield, UK;
- Jin Song Dong, National University of Singapore, Singapore;
- Kerstin Eder, University of Bristol, UK;
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- Michael Leuschel, University of Duesseldorf, Germany;
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- Michele Loreti, University of Florence, Italy;
- Dominique Mery, LORIA and University of Lorraine, France;
- Stephan Merz, INRIA Lorraine, France;
- Richard Paige, University of York, UK;
- Luigia Petre, Åbo Akademi University, Finland;
- Kristin Yvonne Rozier, NASA Ames Research Center, USA;
- Philipp Ruemmer, Uppsala University, Sweden;
- Thomas Santen, European Microsoft Innovation Center, Germany;
- Ina Schaefer, Technical University of Braunschweig, Germany;
- Steve Schneider, University of Surrey, UK;
- Emil Sekerinski, McMaster University, Canada;
- Graeme Smith, University of Queensland, Australia;
- Colin Snook, University of Southampton, UK;
- Kenji Taguchi, AIST, Japan;
- Helen Treharne, University of Surrey, UK;
- Heike Wehrheim, University of Paderborn, Germany;
- Herbert Wiklicky, Imperial College, UK;
- Gianluigi Zavattaro, University of Bologna, Italy

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This call for participation and additional information about the conference can be found at http://www.it.abo.fi/ifM2013.
For information regarding the conference you can contact:
ifm2013@abo.fi