

# Doctoral Symposium at MODELS 2008

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The doctoral symposium solicited submissions on research-in-progress that is meant to lead to a PhD dissertation. The goal of the symposium is to provide doctoral students with independent constructive criticism

- by written reviews of three members of the program committee; and
- by discussing their work with senior scientists and other doctoral students.

Regardless of whether or not the submission is accepted for presentation, students would hence benefit from submitting to the symposium.

Submissions were required to describe research - and intended research - from any area of model-based development in any activity of the development process. Students were asked to precisely state the problem, the (intended) solution, and the (intended) contributions, including pointers to relevant related work. The described research should have been concrete enough as to allow for its assessment. It should, however, also have been premature enough as to allow the doctoral students to incorporate the comments received from the reviewers and the audience before submitting the thesis (i.e., approximately in the 2nd to 3rd year, depending on the system).

In contrast to contributions to the main conference track, submissions to the doctoral symposium were explicitly allowed to concentrate on the overall goals of the doctoral thesis rather than on single technical results.

24 papers from 14 countries were submitted. The program committee judged the submissions w.r.t. originality and precision of the problem statement, solution description, and the contributions. Ideas and mere statements of intent were not deemed sufficient for acceptance. The program committee also assessed whether or not the (intended) contributions appeared realistic.

In alphabetical order of the first author, the following contributions were accepted:

1. Michael Felderer: *A Framework for Model-Based Quality Assurance of Service Oriented Systems*
2. Elina Kalnina: *DSL tool development with transformations and static mappings*
3. Georgia Kapitsaki and Iakovos Venieris: *Model-Driven development of Context-aware Web Applications based on a Context Management Architecture*
4. An Phung-Khac: *A Model-driven Architecture-based Approach to Adaptable and Evolvable Distributed Collaborations*

5. Sergejs Rikacovs and Janis Barzdins: *Towards a seed transformation language and its implementation*
6. Victor Sanchez, Jose Luis Roda, Adolfo Sánchez-Barbudo Herrera and Antonio Estévez: *Using a Virtual-Machine Strategy to Enhance Model Transformation Experiences*
7. Antoine Wiedemann: *Relational Database Modeling*
8. Andres Yie: *Multi-step Concern Transformation*

Pietro Colombo's contribution on *A SysML-based approach to requirements analysis of real-time systems* would have been accepted but was considered too close to the end of the thesis — feedback provided at the symposium seemed unlikely to influence the results.

Each paper was reviewed by at least three reviewers. The doctoral symposium is the result of the constructive work of the program committee:

- Benoît Baudry, INRIA Rennes, France
- Ruth Breu, University of Innsbruck, Austria
- Betty Cheng, Michigan State University, USA
- Jürgen Dingel, Queen's University, Kingston, Canada
- Gregor Engels, University of Paderborn, Germany
- Robert France, Colorado State University, USA
- Ulrich Frank, University of Duisburg-Essen, Germany
- Sudipto Ghosh, Colorado State University, USA
- Mats Heimdahl, University of Minnesota, USA
- Jean-Marc Jézéquel, INRIA Rennes, France
- Jochen Küster, IBM Research Zurich, Switzerland
- Yves Le Traon, TELECOM Bretagne, Rennes, France
- Tom Mens, University of Mons-Hainaut, Belgium
- Pieter Mosterman, The MathWorks, USA
- Henry Muccini, University of L'Aquila, Italy
- Claudia Pons, University of La Plata, Argentina
- Alexander Pretschner, ETH Zürich, Switzerland
- Mirosław Staron, University of Göteborg, Sweden
- Friedrich Steimann, Fernuniversität Hagen, Germany

IBM generously sponsors a best paper award that will be awarded during the symposium.

The organizer would like to express his gratitude to all students who submitted their work, to the members of the program committee, to IBM for sponsoring the award, to Claudia Pons for sharing her experiences from last year's symposium, and to the organizers of the main conference, Ileana Ober and Jean-Michel Bruel.