

Preface

ACM Student Research Competitions (sponsored by Microsoft Research) are a forum for undergraduate and graduate students to showcase their research, exchange ideas and improve their communication skills.

Following the guidelines of the competition series, the ACM Student Research Competition at MODELS 2016 was organized in three steps. In the first step, participants submitted an Extended Abstract. Out of the eight submitted papers (all of them in the graduate student category) the jury selected seven submissions to be presented during the MODELS 2016 week in St. Malo, France in early October 2016.

The second step was a poster presentation within the conference's satellite program. In the third step, on the day after the poster presentation, the seven participants were invited to present the core idea of their PhD thesis in a 10 minutes talk. After the presentations the jury selected three winners based on the following criteria: knowledge of research area, contribution of research and presentation. The awardees each received a medal and a case prize (\$500-First Place, \$300-Second Place, \$200-Third Place).

The winners of the MODELS 2016 ACM Student Research Competition are as follows:

First Place: Gábor Szárnyas, Budapest University of Technology and Economics
Paper Title: "Scalable Graph Query Evaluation and Benchmarking with Realistic Models"

Second Place: Cláudio Gomes, University of Antwerp
Paper Title: "Foundations for Continuous Time Hierarchical Co-simulation"

Third Place: Gwendal Daniel, AtlanMod, SOM Research Group - Inria, Mines Nantes, Lina & UOC
Paper Title: "Efficient Persistence and Query Techniques for Very Large Models"

As organizers of this contest, we would like to cordially thank the 15 jury members for their dedicated contribution to this lively event. Moreover, special thanks go to the MODELS general chairs, Benoit Baudry and Benoit Combemale, for their continuous support (and the excellent food!). Finally, we would like to thank Microsoft Research for sponsoring travel support for all of the participating students and the prizes for the awardees.

This proceedings volume contains the contributions of the seven participants invited to present the core ideas of their PhD thesis at the conference. The final version of these contributions were submitted after the contest reflecting the comments of the jury.

We would like to cordially thank Martin Häusler for compiling the proceedings.

November 2016,

Jeff Gray & Ruth Breu

Jury Members

- Jean-Michel Bruel, IRIT, France
- Michel Chaudron, Chalmers & Gothenborg University, Sweden
- Geri Georg, Colorado State University, USA
- Joel Greenyer, Leibniz Universität Hannover, Germany
- Zhenjiang Hu, NII, Japan
- Vinay Kulkarni, Tata Consultancy Services, India
- Yves Le Traon, University of Luxembourg, Luxembourg
- Tanja Mayerhofer, Vienna University of Technology, Austria
- Ana Moreira, Universidade Nova de Lisboa, Portugal
- Stefan Sauer, University of Paderborn, Germany
- Martina Seidl, Johannes Kepler University Linz, Austria
- Matthew Stephan, Miami University, USA
- Eugene Syriani, University of Montreal, Canada
- Gabriele Taentzer, Philipps-Universität Marburg, Germany
- Antonio Vallecillo, Universidad de Malaga, Spain