

Preface

Welcome to the Fourth International Workshop on Model-Driven Requirements Engineering (MoDRE) at the Requirements Engineering Conference 2014. The MoDRE workshop series has established a forum where researchers and practitioners can discuss the challenges of Model-Driven Development (MDD) for Requirements Engineering (RE).

Model-driven (software) development languages, tools, and techniques have helped raise the level of abstraction for software development, as well as automate various parts of the software development process. Building on the success of MDD for design and implementation, RE may benefit from MDD techniques when properly balancing flexibility for capturing varied user needs with formal rigidity required for model transformations as well as high-level abstraction with information richness. Re-use of requirements models becomes a distinct possibility with MDD and model transformations. However, how requirements engineering may benefit from model-driven development still needs to be explored in further depth.

MoDRE encourages researchers to explore these benefits by means of identifying new challenges, discussing on-going work and potential solutions, analyzing the strengths and weaknesses of MDD approaches for RE, fostering stimulating discussions during the workshop, and providing opportunities to apply MDD approaches for RE.

The full-day workshop is co-located with the 22nd IEEE International Requirements Engineering Conference (RE'14) in Karlskrona, Sweden, on August 25th, 2014. From a total of 22 submissions, 10 papers were accepted for publication in the proceedings. The workshop also features a keynote by Xavier Franch, Associate Professor in the Group of Software and Service Engineering (GESSI) at the Universitat Politècnica de Catalunya in Barcelona, Spain.

Finally, we would like to thank the members of the program committee who provided valuable feedback to the authors. We also thank the authors for submitting their papers and hence making this workshop possible. We are looking forward to an exciting workshop in Karlskrona!

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*Ana Moreira
Gunter Mussbacher
João Araújo
Pablo Sánchez*

Organizing Committee

Ana Moreira (General Chair)
Universidade Nova de Lisboa, Portugal

Gunter Mussbacher
McGill University, Canada

João Araújo
Universidade Nova de Lisboa, Portugal

Pablo Sánchez (General Chair)
Universidad de Cantabria, Spain

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Pannon Egyetem, Hungary

Antonio Vallecillo
Universidad de Málaga, Spain

Arda Goknil
University of Luxembourg, Luxembourg

Betty Cheng
Michigan State University, USA

Carme Quer
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Carleton University, Canada

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Universitat Politècnica de València, Spain

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Martin Gogolla
Universität Bremen, Germany

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University of Luxembourg, Luxembourg

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Aston University, UK

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King's College London, UK

Tao Yue
Simula Research Laboratory, Norway

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