Preface

Welcome to the Eighth International Workshop on Model-Driven Requirements Engineering (MoDRE) at the Requirements Engineering Conference 2018. 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 can 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. MoDRE seeks to explore those areas of requirements engineering that have not yet been formalized sufficiently to be incorporated into a model-driven development environment (e.g., requirements elicitation, mapping from requirements to architectural design models or from business to requirements models, collaborative requirements engineering, requirements sketching, as well as requirements negotiation and prioritization). Reuse of requirements models and management of requirements at runtime become distinct possibilities 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 on the topic during the workshop, and providing opportunities to apply MDD approaches for RE.

The full-day workshop is co-located with the 26th IEEE International Requirements Engineering Conference (RE’18) in Banff, Canada, on August 20th, 2018. From a total of 19 submissions, 6 full papers and 4 short papers were accepted for publication. The workshop also features a keynote on “The Prevalence of Code Over Models: Turning it Around With Transparency” by Julio Cesar Leite, who is an Associate Professor at the Pontifícia Universidade Católica do Rio de Janeiro (PUC-Rio).

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 Lisbon!

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