7th International Workshop on Model-Driven Requirements Engineering

co-located with
25th IEEE International Requirements Engineering Conference (RE'17)
September 4-8, 2017, Lisbon (Portugal)

About MoDRE

The 7th International Model-Driven Requirements Engineering (MoDRE) workshop continues to provide a forum to discuss the challenges of Model-Driven Development (MDD) for Requirements Engineering (RE). Building on the interest 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. 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 as well as how requirements engineering models can benefit from emerging topics in the model-driven community, such as flexible modeling or collaborative modeling. This workshop intends to identify new challenges, discuss on-going work and potential solutions, analyze the strengths and weaknesses of MDD approaches for RE, foster stimulating discussions on the topic, and provide opportunities to apply MDD approaches for RE.

Topics of Interest

Submissions are welcome in the following topics (but not limited to):

- Modeling languages and metamodels for requirements engineering approaches.
- Modeling support for separation of concerns in requirements models.
- Modeling languages and metamodels for non-functional requirements.
- Requirements models for cyber-physical systems or Big Data.
- Synchronicity and consistency of different requirements models and views.
- Requirements models at runtime.
- Automatic analysis of requirements models.
- Automatic generation of tools for requirements engineering using MDD.
- Traceability and correctness of transformations involving requirements models.
- Empirical studies on model-driven requirements engineering.
- Simulation of requirements models.
- Flexible and collaborative modeling in requirements engineering.
- Requirements models for simplicity and complementarity.

Moreover, industry papers covering topics such as the following are highly welcome:

- Industry problems and practices about model-driven requirements engineering.
- Success stories about adopting model-driven requirements engineering in industry.
- Industrial empirical studies.

Submission and Publication

Participants are invited to submit:

- **Full research papers** with a length of eight (8) to ten (10) pages, reporting on findings for problems that are novel and improve on or analyze existing solutions.
- **Short research papers** with a length of four (4) to five (5) pages, reporting on initial work that may not yet have been fully developed.
- **Position papers** with a length of four (4) to five (5) pages, reporting on ideas and visions for the future of model-driven requirements engineering.
- **Industry Papers**, with a length of four (4) to ten (10) pages, describing experiences related to the adoption of model-driven requirements engineering practices in the industry or highlighting future challenges.

Accepted papers will become part of the workshop proceedings and will be submitted for inclusion into the *IEEE Digital Library*. Acceptance of a paper implies that one of the authors registers for the workshop to present the submission; failure to do so by the early registration deadline will result in the paper being withdrawn from the workshop proceedings.

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IMPORTANT DATES in 2017

MAY 30 — ABSTRACT SUBMISSION

JUNE 9 — PAPER SUBMISSION

JUNE 30 — ACCEPTANCE NOTIFICATION

JULY 16 — CAMERA-READY VERSION