

MoDeVVa 2018

15th Workshop on Model-Driven Engineering, Verification and Validation

August 28, 2018

Preface

The 15th Workshop on Model-Driven Engineering, Verification and Validation (MoDeVVa) was held on October 16th in Copenhagen, Denmark, co-located with the ACM/IEEE 21st International Conference on Model-Driven Engineering Languages and Systems (MODELS).

Models are purposeful abstractions of systems and their environments. They can be used to understand, simulate, and validate complex systems at different abstraction levels. Thus, the use of models is of increasing importance for industrial applications. Model-Driven Engineering (MDE) is a development methodology that is based on models, meta-models, and model transformations. The shift from code-centric software development to model-centric software development in MDE opens up promising opportunities for the verification and validation (V&V) of software. On the other hand, the growing complexity of models and model transformations requires efficient V&V techniques in the context of MDE.

The MoDeVVa workshop offers a forum for researchers and practitioners who are working on V&V and MDE. The main goals of the workshop are to identify, investigate, and discuss topics at the intersection between MDE and V&V.

Papers

The following papers were accepted:

- "ProVer: an SMT-based approach for process verification" by Souheib Baair, Reda Bendraou and Hakan Metin.
- "Generation of test strategies for Model-based Functional Safety testing using an Artifact-centric approach" by Bert Van Acker, Joachim Denil, Paul De Meulenaere, Bjorn Aelvoet, Dries Mahieu and Jan van den Oudenhoven.

- "Balancing Model Usability and Verifiability with SBVR and Answer Set Programming" by Deepali Kholkar, Dushyanthi Mulpuru and Vinay Kulkarni.

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