The 11th Workshop on

Advances in Model Based Testing (A-MOST'15)

Co-located with IEEE International Conference on Software Testing, Verification and Validation (ICST'15)
April 17, 2015 in Graz, Austria
http://msdl.cs.mcgill.ca/conferences/amost/

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Important Dates:

Paper submission: **January 30, 2015**
Author notification: **March 1, 2015**
Camera-ready version due: **March 24, 2015**
Conference date: **April 17, 2015**

Submission site:
https://easychair.org/conferences/?conf=amost2015

The increasing complexity of software results in new challenges for testing. Model Based Testing (MBT) continues to be an important research area, where new approaches, methods and tools make MBT techniques more deployable and useful for industry than ever. A-MOST has proven to be a successful workshop that brings researchers and practitioners together discussing formal and semi-formal approaches, specification formats and notations that contribute to simplifying complex aspects of a system. The goal is to bring researchers and practitioners together to discuss state of the art, practice and future prospects in MBT.

Topics of Interest (not exhaustive):

- The models used in MBT
- The processes, techniques, and tools that support MBT
- Evaluation (i.e., the evaluation of software using MBT and the evaluation of MBT) Models
- Models for component, integration and system testing
- Product-line models & (Hybrid) embedded system models
- Systems-of-systems models & Architectural models
- Models for orchestration and choreography of services
- Executable models and simulation
- Environment and use models
- Non-functional models and quantitative MBT
- Model-based test generation algorithms
- Application of model checking techniques in model-based testing
- Tracing from requirements model to test models
- Performance and predictability of model-driven development
- Test model evolution during the software lifecycle
- Generation of testing-infrastructures from models
- Combinatorial approaches for MBT Statistical testing
- Estimating dependability (e.g., security, safety, reliability) using MBT
- Coverage metrics and measurements for structural and (non-)functional models
- Cost of testing, economic impact of MBT
- Empirical validation, experiences, case studies using MBT

Papers should not exceed 10 pages (including all text, figures, references and appendices) for research papers or 6 pages for short experience and position papers. Each submitted paper must conform to the IEEE two-column publication format.

Papers will be reviewed by at least three members from the program committee. Accepted papers will be published in the IEEE Digital Library.