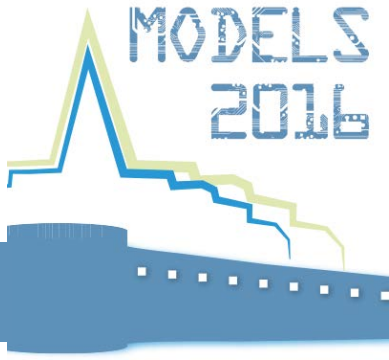
EXE 2016

http://www.modelexecution.org/exe2016



October 3, 2016 in Saint-Malo, France

About the Workshop

Executable models have the potential of bringing major benefits to the development of complex systems, as they provide abstractions of complex system behaviors and allow for the performance of early analyses of that behaviors. Despite the potential benefits of executable models, there are still many challenges to solve, such as the lack of maturity in the definition of and tooling for executable modeling languages, and the limited experience with executable modeling in much of the software industry.

The objective of the International Workshop on Executable Modeling (EXE) is to draw attention to the potentials and challenges of executable modeling and advance the state-of-the-art. It provides a forum for exchanging recent results, ideas, opinions, and experiences in executable modeling.

Important Dates

Submission deadline:	July 17, 2016
Author notification:	August 14, 2016
Workshop:	October 3, 2016

Call for Papers

Topics of interest for the workshop include but are not limited to the following:

- Techniques, and methods for designing and implementing executable modeling languages
- Model execution tools for the validation, verification, and testing of systems
- Case studies and experience reports on the adoption of executable modeling
- Empirical investigations and evaluations of model execution tools
- Executable modeling in education
- Automation techniques for the development of model execution tools
- Evolution in the context of executable modeling
- Verification of semantic conformance
- Customization of executable modeling languages and model execution tools
- Composition, extension, and reuse of executable modeling languages and model execution tools
- Integration of executable modeling languages and programming languages
- Semantics-aware model transformations and code generation
- Scalability of model execution and execution-based model analysis
- Execution of partial and underspecified models
- Model execution in the presence of non-determinism and concurrency
- Surveys and benchmarks of different approaches for the development of executable modeling languages, model execution, and execution-based model analysis

All submissions will be peer-reviewed by at least three members of the program committee. The accepted papers will be published at CEUR WS.

Keynote Speaker

Stephen J. Mellor

Organizers

Tanja Mayerhofer
TU Wien, AT

Philip Langer
EclipseSource, AT

Ed Seidewitz
Idependent, US

Jeff Gray
University of Alabama, US