

Proceedings

**2017 IEEE/ACM 9th International
Workshop on Modelling in
Software Engineering**

MiSE 2017

**21–22 May 2017
Buenos Aires, Argentina**



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Message from the Workshop Chairs

MiSE 2017

We welcome you to the 9th Workshop on Modeling in Software Engineering — MiSE'17, collocated with ICSE'2017 in Buenos Aires, Argentina! The primary goal of MiSE 2017 is to foster the exchange of innovative ideas on the use of models in software engineering. Another goal of this workshop is to further promote cross-fertilization between the model-driven engineering (MDE) communities (e.g., researchers who associate with the MoDELS conference) and software engineering communities. Previous versions of the workshop showed that while there is great interest in collaborations and discussions across these communities, there are differences in terminologies and the concepts that need to be harmonized for effective communication to take place.

The workshop provides a forum for discussing and critically analyzing the effective use of models in the engineering of complex software systems, and for engaging in the exchange of innovative technical ideas and experiences related to modeling -- including model manipulations (e.g., transformations, model matching, and testing), modelling real-time and self-adaptive systems, requirements and risks, and advanced (online) modeling environments

This year, we received 18 submissions. Of these, the program committee accepted 10 papers, for an acceptance rate of 55%. These papers formed the basis of a two-day program. The workshop consisted of 4 workshop sessions, followed by discussions of issues and research opportunities raised by the papers and by the session topic in general. The program also included two keynote speakers, and a tool demo session.

We would like to thank all of the authors for their interesting submissions and the keynote speakers for their presentations and participation. We express our gratitude to the program committee and all of the external reviewers for their hard work and their suggestions for improving the papers.

Marsha Chechik, Davide Di Ruscio and Bernhard Rumpe
MiSE 2017 Co-chairs

Program Committee

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Program Committee Co-Chairs

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Reviewer

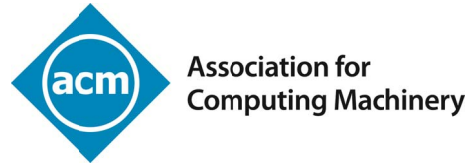
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9th Workshop on Modelling in Software Engineering (MiSE 2017)

The MISE workshop aims at promoting the use of models in the engineering of software systems. In particular, we are interested in the exchange of innovative technical ideas and experiences related to modeling. Engineers have used models to effectively manage complexity for centuries, and there is a growing body of work on the use of models to manage inherent problem and solution complexity in software development. The use of software models will become more prevalent as methodologies and tools that manipulate models at various levels of abstraction become available. Workshop activities will focus on analyzing successful applications of software-modeling techniques to gain insights into challenging modeling problems, including: (1) identifying, describing, and using appropriate abstractions, (2) supporting incremental, iterative development through the use of appropriate model composition, transformation and other model manipulation operators, and (3) automated analysis of possibly large, possibly incomplete models to determine the presence or absence of desired and undesired properties.

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