Message from the A-MOST 2021 Workshop Chairs

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We are pleased to welcome you to the 17th edition of the Advances in Model-Based Testing Workshop (A-MOST 2021), collocated with the IEEE International Conference on Software Testing, Verification and Validation (ICST 2021).

The increasing complexity of software-based systems and the need for assurance pose new challenges for testing. ModelBased Testing (MBT) is an important research area, where new approaches, methods and tools make MBT techniques more
useful and applicable in industry, contributing to improve the effectiveness and efficiency of the test process. Models and
different abstractions can ease comprehension of complex systems and allow the systematization and automation of test generation.

Since its first edition, the A-MOST workshop has provided a forum to bring together researchers from both academia and industry, enabling them to exchange ideas, address fundamental challenges and discuss new applications of model-based testing.
A-MOST 2021 attracted 10 submissions, 4 of which were accepted after a thorough review and discussion process. The topics of accepted papers cover different aspects, such as: test sequence generation; model-based testing tools for embedded software;
modelling the cost of adopting MBT; using process mining tools and event-logging to test robotic systems.

Moreover, we are delighted to have two well-renowned MBT researchers as keynote speakers: Prof. Jeff Offutt with a keynote speech “Nobody cares about models, but everybody wants automation” and Prof. Mohammad Reza Mousavi with a
keynote talk on “Model-based testing and model-learning for variability-intensive systems.” We thank them very much for accepting our invitations and we are looking forward to inspiring presentations and engaging conversations with our keynote speakers, authors and participants. We would like to express our gratitude to the program
committee members, we truly appreciate the efforts they made for providing very thorough and timely reviews. Finally, we would like to thank the A-MOST steering committee for their support and all the authors for their high quality submissions.

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