Message from the A-MOST 2023 Workshop Chairs

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We are pleased to welcome you to the 19th edition of the Advances in Model-Based Testing Workshop (A-MOST 2023), collocated with the IEEE International Conference on Software Testing, Verification and Validation (ICST 2023).

The increasing complexity of software-based systems and the need for assurance pose new challenges for testing. Model-Based 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 2023 attracted 10 submissions, 7 of which were accepted after a thorough review and discussion process. The topics of accepted papers cover different aspects, such as: model learning; timed automata models; model mutations; Advanced Driver Assistance Systems; PLCs; and GUI testing.

Moreover, we are delighted to have a well-renowned researcher on model-based testing as our keynote speaker: Prof. Jan Tretmans from TNO-ESI and Radboud University.

We are looking forward to an exciting keynote presentation, inspiring workshop presentations and engaging conversations with our keynote speaker, 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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