

Message from A-MOST 2020 Chairs

Welcome to the 16th edition of the Advances in Model-Based Testing Workshop (A-MOST 2020) held on March 23rd, 2020 in Porto as part of ICST 2020, the IEEE International Conference on Software Testing, Verification and Validation. The increasing complexity and need for assurance of software-based systems 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 a complex system and allow the systematization and automation of test generation. In the past 15 years, A-MOST has served as a good venue for interaction among MBT researchers from both academia and industry. In 2020, A-MOST received in total ten submissions, and eight of them were accepted after a thorough review and discussion process. Each submission was reviewed by three members of the program committee. The topics of accepted papers cover different aspects, such as: tools for automatic test-case generation, conformance checking, applications of MBT in the automotive domain, cybersecurity, or graph database testing. In addition, we are delighted to have a well-renowned researcher in testing, Ana Paiva from University of Porto, as our keynote speaker. The topic of her keynote talk is “Why models?” in which she describes a model-based testing research path that starts using textual models, then graphical, and finally, pattern-based models. We also appreciate the efforts made by our program committee members for providing their timely reviews with high quality. Then, we would like to thank the A-MOST steering committee for their support and advice.

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