Welcome to the 15th Workshop on Advances in Model Based Testing (A-MOST)
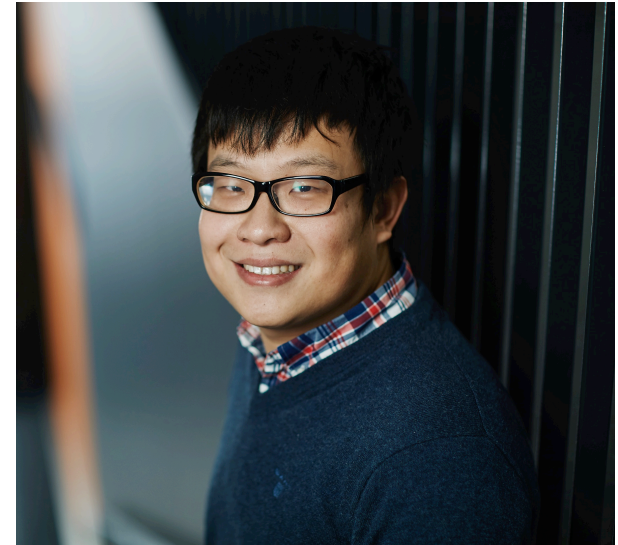
General chairs

Angelo Gargantini
University of Bergamo, Italy

João Pascoal Faria
University of Porto, Portugal

Shuai Wang
Testify AS, Norway

Submission Statistics

- 6 Submitted Papers
- 6 Accepted Papers (high quality!)
    - 4 full papers
    - 2 short papers
- Many Topics Covered:
    - Test case generation
    - Conformance checking
    - Applications of MBT
    - Test management
    - Combinatorial testing

Rich Program in A-MOST 2019

08:50-09:00: Welcome Opening and Introduction
09:00-10:00: **Keynote Speech**
Fuyuki Ishikawa - "Challenges for testing autonomous driving systems: tackling uncertainty in the open physical world and machine learning"

10:00-10:30: Coffee Break

10:30-12:30: **Paper Session 1: Test Case Generation**
- Automatic Refinement of ASM Abstract Test Cases
- Using Imprecise Test Oracles Modelled by FSM
- Weighted Combinatorial Sequence Testing for the TLS Protocol

12:30-13:30: Lunch

13:30-15:30: **Paper Session 2: Applications of MBT**
- AbsCon: A Test Concretizer for Model-based Testing
- Case studies in learning models and testing without reset
- Programming Behavioral Test Models for SMT Solving in Scala

15:30-16:00: Coffee Break

16:00-17:00: **Paper Session 3: Test Management**
- A Model-Based Approach to Generate Dynamic Synthetic Test Data: A Conceptual Model
- Software Testing: According to Plan!

17:00-17:10: Wrap Up and Closing

Keynote Speaker

Fuyuki Ishikawa

National Institute of Informatics, Japan

Challenges for testing autonomous driving systems: tackling uncertainty in the open physical world and machine learning