

Paris, 16-18 October 2018



## Shaping the landscape of testing - From the users, to the users

The annual ETSI User Conference on Advanced Automated Testing (UCAAT) is the high-point in the calendar of ETSI's Technical Committee for Testing and Specification (TC MTS). This well-established event addresses the practical challenges of testing faced by industry today.

UCAAT is dedicated to all aspects of automated testing and is not limited in scope. Rapid technical advances in IT services, transportation (of all kinds), healthcare, finance, telecoms, broadcasting and smart cities are blurring the lines between the verticals. Solutions bringing together previously disparate actors and technologies now need to co-exist and interoperate to an unprecedented extent, with a need to deliver value to the market with a significant increase of speed and frequency. This, and the increasing presence of AI, whether it be for the use of AI in testing or the testing of AI systems, brings challenges and opportunities to the entire testing community.

UCAAT offers an opportunity for users, vendors, service providers and researchers from many different application domains to come together to share experiences and learn about the latest advances in the industrial use of test automation. We welcome presentation, poster and tutorial submissions relevant to modern test automation approaches, technologies and strategies in practice by means of case studies or experience reports.

Join us and bring your experience to UCAAT 2018 in Paris!

## Topics of interest

Topics of interest for submissions to UCAAT 2018 include (but are not limited to):

- Experiences of advanced automated techniques for
  - Using AI in testing and testing AI systems
  - Virtual Reality and gaming
  - Cloud technologies and micro services
  - Testing approaches in Open Source projects and Open Source testing solutions
  - Softwarization such as virtualized networks, reconfigurable radio systems, fog computing or zero-touch network management
  - Testing the IoT, 5G and radio technologies
  - Robotics and physical devices
  - Different application domains, including healthcare, automotive, aeronautical, finance, IT services and big data analysis
  - Testing characteristics such as usability, security, robustness, performance and maintainability

## Important Dates

Submission of title, author & abstract  
20 April 2018

Notification of acceptance  
31 May 2018

Submission of final presentation  
21 September 2018

- Experiences from applying advanced automated testing techniques in
  - Continuous integration, agile environments and DevOps
  - Preparation of test data for integration testing and end-to-end testing
  - Test logging and test debugging
- Experiences from long term application of test automation such as
  - Best practices related to architecture and design of test automation software
  - Experiences and pitfalls in creating sustainable test automation solutions
  - Documenting, managing and maintaining assets produced by automated testing
- Experiences from using new techniques or technology in automated testing such as the use of
  - Search-based approaches, machine learning, and other AI techniques
  - Cloud services as enablers of test execution and management
  - Big data methodologies (e.g. analytics, prediction)
  - Static analysis, profiling, technical debt and test coverage measurement
- Industrial case studies reporting experiences from applying standardized test automation languages, e.g.:
  - TDL (Test Description Language) or TTCN-3 (Test and Test Control Notation)
  - UTP (UML Testing Profile),
  - Cucumber, Robot and other DSLs (Domain-Specific Languages)
- Experiences and lessons learned from applying advanced test automation processes, e.g.:
  - Acceptance Test Driven Development (ATDD)
  - Behavior Driven Development (BDD)
  - Model-Based Testing (MBT)
  - Test Driven Development (TDD)
  - Requirement based test generation and other advanced test processes in industrial settings
  - Ethical aspects of introducing a new test automation technology
- Experiences on Continuous Delivery Automation topics like:
  - Automated Test and Optimized Software Validation
  - Automated Deployment, Automated Provisioning, Automated everything

## Submission Details

We are soliciting for:

- Short proposals for 20 minute conference **presentations** (incl. questions) by test automation users,
- **Posters** focusing on practical aspect of test automation, and
- 1,5 hour entry level or advanced **tutorials**.

Submissions should seek for extracting a message for a broader user community and should not focus on tooling details; tools can be promoted in the vendor track organized for event sponsors. A proposal for a conference/poster presentation or tutorial shall be no longer than three A4 pages and must follow the templates given at <https://ucaat.etsi.org/2018/call-for-presentations>.

Please use the following link to upload proposals: <https://www.easychair.org/conferences/?conf=ucaat2018>

The independent program committee, composed mostly from industry stakeholders, will evaluate all proposals. Proposals in PDF format shall be submitted via EasyChair. The program including the slides of accepted presentations and posters will be made available electronically to participants and on the conference web site.