



The 11th IEEE International Conference on Software Testing, Verification, and Validation (ICST 2018)

ICST 2018 invites high quality submissions in all areas of software testing, verification, and validation. Papers for the research track should present novel and original work that pushes the state-of-the-art in software testing, verification, and validation. Case studies and empirical research papers are also welcome.

Topics of interest include, but is not limited to, the following (in alphabetic order):

- Empirical Studies
- Experience Reports
- Formal Verification
- Model Based Testing
- Model Checking
- Search Based Software Testing
- Security Testing
- Software Reliability
- Testability and Design
- Testing and Development Processes
- Testing Education
- Testing in specific domains, such as mobile, web, embedded, concurrent, distributed, cloud, and real-time systems
- Testing/Debugging Tools
- Theory of Software Testing

Industry track

The ICST Industry track focuses on the same topics and values the same rigour as the research track, yet papers featured in the industry track are distinct. What sets the industry track apart is that it values impact and realism over novelty. We expect that findings from industry track publications have the potential to impact practice in the 0-2 year range. Ideally they should have been evaluated on real-world, industrial data and discuss issues like scalability, costs and strategies for introduction in practice, and advancement compared to existing industrial best practice. The industry track papers have the same length limitations as research track papers and will be published in the ICST 2018 proceedings and listed by IEEE databases.

PhD Symposium

The symposium invites PhD students at all stages of their studies, from the first year students to those ready for their final dissertation defence. Benefits include feedbacks from a panel of senior researchers, networking with supportive researchers and potential collaborators, insightful keynote presentations, and lots of fun! A limited number of travel grants will be available. For details about submitting to the PhD Symposium see the separate call for this track.

Special Issue

We will invite authors of the best papers presented at ICST 2018 to extend and submit their work to a special issue of Journal of Software Testing, Verification, and Reliability (STVR). Both research and industry track papers are eligible and the final selection is made by the PC.

Workshops, Other Tracks and Events at ICST 2018

ICST 2018 will also host the following tracks and events:

- Tools and Demo track, to explain and showcase practical tools
- Free tutorials targeted for impact in industry and practice
- Workshops on specific areas related to testing, validation, and verification

How to Submit

Full Research Papers as well as Industry papers must conform to the two-column IEEE conference publication format.

Templates for LaTeX and Microsoft Word are available from http://www.ieee.org/conferences_events/conferences/publishing/templates.html: please use the letter format template and conference option.

Papers should be submitted in the PDF format: they must not exceed ten pages, plus up to two pages of references.

Submissions will be handled via EasyChair
<http://easychair.org/conferences/?conf=icst2018>.



Double Blind

The full research track for ICST 2018 is adopting Double Blind Reviewing: submissions to this track should not reveal the identity of author(s) in any way: names and affiliations should be left out. Authors should also ensure that citations to their own work are written in third person (i.e. do not write “our previous work”; use “the previous work of X”). Please contact the Program Co-chairs if you have any further question about the DBR process.

Important Dates

Research and Industry track:

- Oct. 5th 2017: Submission of Abstract
- Oct. 12th 2017: Submission of the Full Research Papers
- Dec. 18th 2017: Author Notification

PhD Symposium:

- Jan. 31st 2018: Submission Deadline

Workshops:

- Sep. 8th 2017: Proposals submitted
- Jan. 12th 2018: Workshop papers submitted

Organising Committee

General Chair

- Hans Hansson, Mälardalen University, Sweden

Program Co-Chairs

- Robert Feldt, Chalmers University and Blekinge Inst. of Technology, Sweden
- Shin Yoo, Korea Advanced Institute of Science and Technology, Republic of Korea

Industry Chairs

- Daniel Sundmark, Mälardalen University, Sweden
- Stig Larsson, RISE SICS Västerås, Sweden
- Richard Torkar, Chalmers University/University of Gothenburg, Sweden

Workshop Chairs

- Gregory Gay, University of South Carolina, USA
- Mike Papadakis, University of Luxembourg, Luxembourg

PhD Symposium Chairs

- David Binkley, Loyola University, Baltimore, USA
- Arpad Beszedes, University of Szeged, Hungary

Testing tools, demonstrations and artefacts track chairs

- Wasif Afzal, Mälardalen University, Sweden
- Francisco Gomes, Chalmers and the University of Gothenburg, Sweden
- René Just, University of Massachusetts Amherst, USA

