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## Fourth International Conference on Software Testing, Verification and Validation

<http://sites.google.com/site/icst2011>  
[icst2011@fokus.fraunhofer.de](mailto:icst2011@fokus.fraunhofer.de)

The International Conference on Software Testing, Verification and Validation (ICST) is the premier conference in all areas related to software quality. Software systems present unique engineering challenges to the tester, not least because they can exhibit non-determinism and emergent behaviour. No other engineering artefact is more closely intertwined with the human activity, resulting in complex hybrid systems that involve software, human judgement and, sometimes, political, legal and social processes.

As a result, software verification & validation including testing, inspections, model analysis, safety certification, etc. draws upon a wide spectrum of disciplines, including engineering, mathematics and also psychology. It touches on all aspects of Computer Science and Software Engineering research and impacts on almost every software practitioner. ICST seeks to meet these problems by bringing together researchers and practitioners for a conference that includes all aspects of software testing, as it is most widely construed.

ICST welcomes research papers as well as industrial experience reports from software development and testing practitioners. For the research papers, ICST seeks high quality original work. For the industrial papers ICST seeks papers that present real world experience from which others can benefit.

Authors of best papers from the conference will be invited to submit extended versions of their papers for a special issue of Software Testing, Verification, and Reliability, a Wiley journal.

#### Topics of interest include, but are not limited to:

- Software testing theory and practice
- Model-based testing
- Domain specific testing including, but not limited to, security testing, web services testing, database testing, embedded software testing, and OO software testing
- Verification & validation
- Quality assurance
- Model checking
- Empirical studies
- Metrics
- Fuzz testing
- Inspections
- Tools
- Testability and diagnosability
- Design for testability
- Testing education
- Testing in multidisciplinary applications
- Technology transfer
- Model-driven engineering and testing
- Agile/iterative/incremental testing processes
- Open source software/3rd party software testing
- Novel approaches to software reliability assessment

#### Important dates

##### Papers

**Submission of abstracts: September 25, 2010**

**Submission of full papers: October 1, 2010**

**Notification: November 30, 2010**

**Date of conference: March 21-25, 2011**

##### Ph. D. Symposium

**Same deadlines as for papers**

##### Workshops

**Submission of proposals: September 3, 2010**

#### Conference Location

The conference will be held in **Hotel Esplanade**, an urban oasis of sleek design and intuitive service in the heart of the Berlin's cultural district.

**ESPLANADE**  
GRAND HOTEL BERLIN



organized by

**Fraunhofer FOKUS** **Fraunhofer IESE**

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