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Montréal, April 17-21, 2012

Fifth International Conference on Software Testing, Verification, and Validation

<http://icst2012.soccerlab.polymtl.ca/>

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 human activities, resulting in complex hybrid systems that involve software, human judgment and, sometimes, political, legal and social processes.

As a result, software verification and validation, including testing, inspections, model analysis, safety certification, etc. draws upon a wide spectrum of disciplines, including engineering, mathematics, and psychology. It touches on all aspects of computer science and software engineering research and impacts on almost all software activities.

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 works. For the industrial papers, ICST seeks papers that present real world experiences from which others can benefit.

Authors of the best papers will be invited to submit extended versions 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, e.g.: security testing, web services testing, database testing, embedded software testing, and OO software testing
- Verification & validation
- Quality assurance
- Model checking
- Metrics and empirical studies
- Fuzz testing
- Inspections
- Testing in multidisciplinary applications
- Agile/iterative/incremental testing processes
- Tools
- Testability and diagnosability
- Design for testability
- Testing education
- Testing in multidisciplinary applications
- Technology transfer
- Model-driven engineering and testing
- Open source software/3rd party software testing
- Software reliability assessment
- Performance and QoS testing
- Standards
- Success stories

Important dates:

Dates of conference: Apr. 17-21, 2012

Papers (research/industry tracks)

Submission of abstracts: Oct. 28, 2011

Submission of full papers: Nov. 4, 2011

Notification: Dec. 28, 2011

Posters

Submission: Mar. 2, 2012

Notification: Mar. 24, 2012

Ph.D. Symposium

Submission of abstracts: Oct. 28, 2011

Submission of papers: Nov. 4, 2011

Notification: Dec. 28, 2011

Workshops

Submission of proposals: Sep. 30, 2011

Notification: Nov. 3, 2011

