

Title: 5th IEEE International Workshop on Software Test Automation (STA 2013)

Workshop Organizers:

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Duration: 3/4 sessions

Goal of the Workshop:

Test automation aims to reduce the cost and improve the effectiveness of software testing by using various techniques and methods. Other benefits are consistency and accuracy, reduction of overall test cycle time, risk mitigation of manual testing, and increase in overall product quality. Recording test activities as test scripts and playing the test scripts or record and playback are the common methods. More advanced methodologies include data-driven, keyword-driven and hybrid methods as well as framework-based methods. Among tool development, interoperability remains a major challenge.

Theme and Scope of the Workshop (Call-for-Papers):

This year's theme of COMPSAC is "*The Expanding Sphere of Software and Data*" Creating the digital society calls for all aspects of computing, software development, software systems engineering, and applications. To sustain it, however, trust in systems is of paramount importance, thus the need for trustworthy software systems. Foundations, methodologies, architectures, and mechanisms that support modeling, design, implementation, and evaluation of trustworthy software systems and applications are of great concern. Accordingly, submissions including applications and case studies in these areas will highly be appreciated.

Topics of interest include, but are not limited to, the following:

- Model Based Testing
- Test automation in the context of different software development lifecycle methodologies
- Support for testing methods
- Application in different domains
- Operation, maintenance and evolution of test tools and environments
- Experiments, empirical studies, experience reports, *and case studies*.
- *Quantitative studies including cost vs. benefit studies.*

IMPORTANT DATES

March 20, 2013: Workshop paper submission
April 21, 2013: Workshop paper author notification
May 5, 2013: Camera-ready & author registration

SUBMISSION

Papers must be submitted electronically via the STA 2013 Submission Page (<http://myreview.cs.iastate.edu/STA2013>). The format of submitted papers should follow the guidelines for the IEEE conference proceedings. All papers will be carefully reviewed by at least three reviewers. Papers should be no more than 6 pages. Accepted papers will be published in the workshop proceedings of COMPSAC 2013, by the IEEE Computer Society Press. At least one of the authors of each accepted paper must register as a participant of the workshop and present the paper at the workshop, in order to have the paper published in the proceedings.

Program Committee: (approval pending, more will be added)

Arun Bahulkar, Tata Research (TRRDC), India

Xiaoying Bai, Tsinghua University, China

Christof Budnik, Siemens, USA

Feza Buzluca, Istanbul Technical University, Turkey

Arilo Claudio, Federal University of Amazonas, Brazil

Atilla Elci, Eastern Mediterranean University, North Cyprus

Jerry Gao, San Jose State University, USA

Ron Kenett, KPA Ltd, Israel

Juncao Li, Microsoft, USA

Ina Schieferdecker, Fraunhofer FOKUS, Germany

Marek Stochel, Motorola Solutions, Poland

Guilherme Travassos, Federal University of Rio de Janeiro (UFRJ), Brazil

Dragos Truscan, Åbo Akademi University, Finland

Tugkan Tuglular, Izmir University, Turkey

Andreas Ulrich, Siemens Corporate Technology, Germany

Xiangyu Zhang, Purdue University, USA

Invited Speaker (prospective)

- TBD