

5th International Workshop on Software Testing in the Cloud

Theme: *Testing as a Service (TaaS)*

Part of the 7th IEEE International Symposium on Service Oriented System Engineering (SOSE 2013)

March 25, 2013; Hotel Sofitel, San Francisco Bay, USA

Workshop Chairs

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Cloud computing platforms provide an infrastructure for resource sharing, software hosting and service delivering in a pay-per-use business model. Cloud computing introduces both challenges and opportunities for conventional software testing research and practices. On the one hand, to test the cloud-based software systems, techniques and tools are necessary to address unique quality concerns of the cloud infrastructure such multi-tenancy security, massive scalability, and dynamic configuration. On the other hand, once migrated to the cloud environment, conventional testing techniques can benefit from the various aspects of the cloud such as unlimited resources and parallel computing so that it can greatly reduce testing cost and enhance test efficiency.

Important Dates

Paper Submission Deadline:
November 12, 2012

Author Notification:
December 31, 2012

Camera-Ready Due:
January 28, 2013

STITC 2013 is the 5th workshop on software testing in the cloud. Its particular theme is "Testing as a Service" (TaaS). It was proposed to establish a unified service-based framework to reduce the cost of test design, execution, and maintenance by reusing all test artifacts including test data, tools, and processes. TaaS provides static/dynamic on-demand testing services in/on/over clouds for testers at any time (24/7/365). TaaS might take several forms, including software as a service (SaaS), platform as a service (PaaS), and even Infrastructure as a Service (IaaS) in a DevOps scenario. The STITC 2013 workshop will explore these various facets of TaaS, from both academic research and practical real-world perspectives.

STITC (TaaS) Workshop:
March 25, 2013

STITC 2013 invites original submissions in all the areas of TaaS methods, techniques, tools, applications, and experiments for software services. The topics include, but are not limited to, the following:

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- Migrating testing to the cloud
- Testing of the cloud
- Cloud-based testing
- Testing services
- SaaS, PaaS, and IaaS models of offering TaaS
- Business models for service-enabled testing strategies

Submissions

Prospective authors are invited to submit manuscripts reporting original unpublished research and recent developments in the topics related to the workshop. Papers must follow the IEEE double-column format and should not exceed 6 pages (standard extra page policy). At least one of the authors of an accepted paper has to be registered and present his/her paper at the workshop. All papers must be submitted electronically by the EasyChair system: <https://www.easychair.org/conferences/?conf=sttic13>