



1st International Workshop on Service-Oriented Architecture Testing

SOAT 2009

*Wednesday, Sept. 23, 2009; 2:00pm – 5:30pm
The Fairmont Hotel Macdonald (Drawing Room)*

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Service-Oriented Architecture (SOA) is a way of designing, developing, deploying, and managing enterprise systems where business needs and technical solutions are closely aligned. SOA offers a number of potential benefits, such as cost-efficiency and agility. However, adopting SOA is not without considerable challenges. For example, the most common way to implement a SOA-based system is with Web services, but the standards that define Web services are evolving rapidly and many of the Web services tools are still somewhat immature. There is also the question of how to leverage existing legacy assets within a SOA context. Perhaps most importantly, there are serious challenges related to the testing of SOA-based systems that must be addressed before the SOA paradigm will enjoy broad-based success.

The nature of SOA-based applications calls for testing strategies and toolsets that includes different approaches to testing. Traditional testing strategies that were used before may not be adequate to test these SOA-based systems. Even though they may not be sufficient, there are some open source and commercial tools to aid some part of testing SOA-based applications. However, there are no evaluation criteria in place to assess these tools and ascertain if they provide the facilities needed to fully test SOA-based applications.

This workshop is meant to stimulate discussion among all participants related to research directions in SOA testing. In particular, an outcome of the workshop should be a prioritized list of topics that, if addressed, would have a measurable positive impact on the practice of SOA testing (and all its related activities) in the next five years or so. The overall goal is to create a first draft of a broad research agenda for SOA testing.

www.SOATesting.org/2009

Please turn over for workshop program...



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Program

Time	Activity
2:00pm – 2:15pm	Welcome (Workshop Organizers): <ul style="list-style-type: none">▪ Scott Tilley (<i>Florida Institute of Technology, USA</i>)▪ Xiaoyong Bai (<i>Tsinghua University, China</i>)▪ Grace Lewis (<i>Carnegie Mellon / Software Engineering Institute, USA</i>)
2:15pm – 3:30pm	Perspectives on SOA Testing: <ul style="list-style-type: none">▪ Research: “Selected Research Challenges in SOA Testing” Grace Lewis (<i>Carnegie Mellon / Software Engineering Institute, USA</i>)▪ Industry: “SOA Testing at Credit Suisse” Carl Worms (<i>Credit Suisse, Switzerland</i>)▪ Education: “Challenges in Bringing SOA Testing into the Classroom” Kostas Kontogiannis (<i>National Technical University of Athens, Greece</i>)▪ Open Discussion
3:30pm – 4:00pm	Coffee break
4:00pm – 5:15pm	Working Session: SOA Testing Research Agenda
5:15pm – 5:30pm	Wrap-Up

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