
Workshop on Automating Service Quality (WRASQ)



ASE 2007

*22nd IEEE/ACM International Conference on
Automated Software Engineering*



November 6, 2007
Atlanta, Georgia

<http://www.cs.ua.edu/wrasq/>

Introduction to Participants

■ Authors

- Sherif Abdelwahed
- Raihan Al-Ekram
- John Bergin
- Xian Chen
- Patrizio Dazzi
- Nagarajan Kandasamy
- Aniruddha Gokhale
- Ric Holt
- Chris Hobbs
- Shanshan Jiang
- Gueyong Jung
- Amogh Kavimandan
- Erhan Mengusoglu
- Liam Murphy
- Francesco Nidito
- Marco Pasquali
- Brian Pickering
- Calton Pu
- Doug Schmidt
- Susan Sim
- Paul Sorenson
- Galen Swint
- Yuan Xue

International Representation: Canada, England, Ireland, Italy and USA

Background of this Workshop

- Sequel to the GPCE4QOS workshop at GPCE 2006 in Portland, OR



- Goal: Provide a forum for researchers and practitioners to present and discuss emerging techniques and tools for automatically or semi-automatically modeling, specifying and delivering guarantees of service quality in distributed environments.

Introduction to Participants

- Organizing Committee
 - Aniruddha Gokhale
 - Jeff Gray
 - Randy Smith
- Program Committee
 - Kai Chen
 - Brandon Eames
 - Sudipto Ghosh
 - Nicholas Kraft
 - Ruth Lennon
 - Shih-Hsi Liu
 - John Murphy
 - Adam Porter
 - Jonathan Sprinkle
 - Kevin Sullivan
 - Jing Zhang

Let's Introduce Ourselves

- Your name and affiliation
- Research interests
- Briefly
 - Any position you would like to state
 - Your goals in attending this workshop
 - Questions to be discussed
 - Any position statements regarding the topics of WRASQ?
- Special note: We would like to take photos during the workshop. Please let us know if you prefer to not have your picture taken.

Workshop Schedule - Morning

Time	Event
9:00am– 9:15am	Welcome: General Introduction and Overview of Workshop Goals
9:15am– 10:15am	Calton Pu (Georgia Tech) Keynote Speaker
10:15am – 10:30am	Sherif Abdelwahed, Nagarajan Kandasamy, Aniruddha Gokhale High Confidence Software for Cyber-Physical Systems
11:00am – 11:20am	Raihan Al-Ekram, Ric Holt, Chris Hobbs, Susan Sim Automating Service Quality with TOMCAD
10:30am – 11:00am	<i>Coffee Break</i>
11:20am – 11:40am	Gueyoung Jung, Calton Pu, Galen Swint Mulini: An Automated Staging Framework for QoS of Distributed Multi-Tier Applications
11:40am– 12:00pm	Amogh Kavimandan, Aniruddha Gokhale A Parameterized Model Transformations Approach for Automating Middleware QoS Configurations in Distributed Realtime and Embedded Systems

Workshop Schedule - Afternoon

Time	Event
12:15pm-2:00pm	LUNCH
2:00pm-2:20pm	John Bergin, Liam Murphy Reducing Runtime Complexity of Long-Running Application Services via Dynamic Profiling and Dynamic Bytecode Adaptation for Improved Quality of Service
2:20pm-2:40pm	Shanshan Jiang, Yuan Xue, Douglas Schmidt Disruption-Aware Service Composition and Recovery in Dynamic Networking Environments
2:40pm-3:00pm	Xian Chen, Paul Sorenson Towards TQM in IT Services
3:00pm-3:30pm	Working Group Formation (2 groups)
3:30pm-4:00pm	<i>Coffee Break</i>
4:00-5:15pm	Working Groups
5:15pm-5:30pm	Working Group Summaries Group Phot

Working Groups

- For 1.25 hours, 2-3 groups will discuss focused issues related to the workshop and report back to all participants (5-10 minutes each)
- The size of each group should be similar
- To reach consensus on the discussion topic areas:
 - Each workshop participant will suggest several issues to be discussed and write them on post-it notes
 - *“What are the key challenges of certification during service quality automation?”*
 - Related issues will be grouped together
- Each group should have a scribe and presenter (perhaps the same person)
- Try to stay focused and don't get sidetracked on peripheral discussions (e.g., spending an hour defining the meaning of a specific word)