

Call for Papers

Third International Workshop on Quality Assurance and Testing of Web-Based Applications (QATWBA 2006)

September 18-21, 2006, Chicago, USA

in conjunction with

30th IEEE Annual International Computer Software and Applications Conference (COMPSAC 2006)

(URL: <http://conferences.computer.org/compsac/2006/>)

co-located with

2006 IEEE International Conference on Web Services (ICWS 2006)

2006 IEEE International Conference on Services Computing (SCC 2006),

2006 Int. Workshop on Software Technology and Engineering Practice (STEP 2006)

The Internet is rapidly expanding into all sectors of our society. Web-based applications are complex, heterogeneous, distributed, multiplatform, multilingual, multimedia, autonomous, cooperative, ever evolving and rapidly updated software systems. Testing and maintaining web-based applications are a nightmare. Traditional quality models, testing methods and tools are not adequate for web-based applications because they do not address problems associated with the new features of web-based applications. At present, web-based applications testing and maintenance are still an unexplored area and rely on ad hoc testing processes. Little has been reported on quality assurance and systematic testing methods and techniques for web-based applications.

The general theme of the workshop is on the quality assurance and testing web-based applications. It aims at providing a forum for researchers, practitioners and tools vendors to exchange ideas, research results, practical experiences and lessons learned on quality assurance and testing of web-based applications. The first and the second workshops (QATWBA'04 and QATWBA'05) in this series were successfully held in Hong Kong, on September 30, 2004 and in Edinburgh on July 26, 2005, respectively. This third workshop will be held in conjunction with COMPSAC'06 in Chicago, where COMPSAC will celebrate its 30th anniversary and the 60th Anniversary of the IEEE Computer Society. It will be co-located with the 2006 IEEE International Conference on Web Services (ICWS 2006), the 2006 IEEE International Conference on Services Computing (SCC 2006), the International Workshop on Software Technology and Engineering Practice (STEP 2006). This year's workshop will focus on *web services applications* to explore the quality issues such as their quality attributes and quality models, the quality assurance techniques and methodologies suitable to the development of web services application systems, especially the testing methods, techniques and tools, etc.

We are seeking position papers addressing all aspects of quality assurance and testing of web-based applications, including but are not limited to:

Methods and Techniques

- Test models and meta-models
- Verification and validation techniques
- Test generation methods and techniques
- Test criteria
- Formal review techniques
- Testing of web services
- Testing for security, privacy and trustworthiness
- Web configuration management
- Metrics and indicators
- Maintenance and evolution
- Process improvement
- Quality of service
- Tools and environments

Practical Experience

- Experience of quality assurance and testing of E-Commerce, E-Government, E-Science, or Wireless web-based applications
- Security and privacy in practice
- Lessons learned

Submission

Original papers not being submitted to journals or other conferences will be considered. All submitted papers will be reviewed by at least three program committee members according to its originality, significance, correctness, presentation and relevance. We welcome all position papers that address emerging issues, present novel but half-baked ideas, or report on practical experiences.

Papers should be in English and no more than 6 pages including all figures and tables. The format of submitted papers must follow the IEEE conference proceedings guidelines. Papers should be submitted electronically by April 1, 2006 at workshop's online submission website at <http://compsac.cs.iastate.edu/QATWBA/>.

Accepted papers will be published in the workshop proceedings of the 30th IEEE Computer Software and Applications Conference (COMPSAC 2006) by IEEE Computer Society Press. At least one of the authors of each accepted paper must register as a full participant of the workshop to have the paper published in the proceedings.

The authors of accepted papers of the workshop will be invited to submit a revised version of the paper for publication in a special issue of a journal (should indicate which journal in the final version of the CFP). Submissions to the special issue will be reviewed again according to the journal's quality standard.

Important Dates

- **April 1, 2006:** Deadline paper submissions
(Deadline Extended to Friday April 14)
- **May 15, 2006:** Notification acceptance
- **June 16, 2006:** Deadline for camera-ready copies of accepted papers
- **September 18-21, 2006:** workshop during COMPSAC conference

Workshop Co-chairs:

- Hong Zhu, Oxford Brookes University, UK, h Zhu@brookes.ac.uk
- David Kung, Univ. of Texas at Arlington, USA, kung@cse.uta.edu

Program Committee:

- Chien-hung Liu, Taipei University of Technology, Taiwan
- Giuseppe A. Di Lucca, University of Sannio, Italy
- Jeff Offutt, George Mason University, USA
- Jose Maldonado, University of Sao Paulo, Brazil
- Nik Looker, University of Leeds, UK
- Sami Beydeda, Federal Finance Ministry, Germany
- TY Chen, Swinburne University of Technology, Australia
- Wei-Tek Tsai, Arizona State University, USA
- Baowen Xu, Southeast University, China
- Yanlong Zhang, Manchester Metropolitan University, UK
- Jia Zhang, Northern Illinois University, USA