QSIC 2O14
14th International Conference on
Quality Software
Dallas, USA, October 2–3, 2014
http://paris.utdallas.edu/qsic14

QSIC is an innovative forum gathering together researchers and practitioners with a shared interest in improving software quality. The latest innovations, tools, and techniques in this challenging area will be presented, discussed, and refined.

Quality assurance is a critical component at every stage in the development of a software system, affecting requirements elicitation, architecture and design, and implementation. The quality of the artifacts generated in these stages will significantly influence the rest of the system. Once again, QSIC 2014 will maintain a theme focused on the Engineering of Quality Systems, consisting of three major research domains: the quality assurance of artifacts generated during software development, such as program code and design documents; the definition and exploration of quality relationships among different software development phases, such as the impact that the quality of requirements might have on the quality of the derived software architecture; and finally the investigation of how codification and communication of knowledge affects software quality.

Previous conferences were held over four continents, in Hong Kong; Dallas, USA; Braunschweig, Germany; Melbourne, Australia; Beijing, China; Portland, USA; Oxford, UK; and Jeju, Korea. Since 2009, the *IEEE Reliability Society* has been one of the sponsors of the conference.

Paper Submission

All submissions must be in English and the author's original work that has not been published and/or submitted for consideration for publication anywhere else. The papers must be in IEEE Conference Proceedings format with no more than 10 pages for a regular paper and no more than 6 pages for a short paper.

Submissions must be in PDF format and uploaded to the conference submission website before the deadline date. Each submission will be reviewed by three PC members. Paper selection is based on the originality, technical contribution, presentation, and relevance to QSIC. Refer to the conference website for detailed guidelines.

Important Dates

June 7, 2014:
> Deadline for paper submission

July 20, 2014:
> Notification to authors

August 20, 2014:
> Deadline for camera-ready versions

October 2-3, 2014
> QSIC 2014 conference

Conference Proceedings

At least one author of each accepted paper must register with the full fee and present at the conference in order to be included in the conference proceedings published by IEEE Computer Society Conference Publishing Services. Papers will be submitted to IEEE Xplore and CSDL. Content will also be submitted to the indexing companies for possible indexing. Indexing services are independent organizations, and we cannot guarantee that any particular abstract or index entry will be included in Ei Compendex or any other indexing service.

Authors of selected papers will be invited to submit an extended version of their articles to a special issue of an international, respected, and SCI-indexed archival journal.

Topics of Interest

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

- Software testing: automation, conformance, strategies, tools, standards, economics, performance and robustness, processes and standards
- Software quality: management and assurance, measurement and benchmarking, review, inspection and walkthrough, reliability, safety and security
- Methods and tools: design tools, testing tools, information systems engineering, quality tools
- Evaluation of software products and components: static and dynamic analysis, validation and verification
- Information and knowledge management: economics of software quality, knowledge engineering
- Formal methods: program analysis, model checking, model construction, formal process models
- Component software and reuse: requirements engineering, software architecture, middleware and application servers, reflective systems
- Emerging technology: pervasive computing, service-oriented computing, grid software, cloud computing, intelligent systems
- Applications: component-based systems, cyber-physical systems, digital libraries, distributed systems, e-commerce, embedded systems, enterprise applications, information systems, multimedia, Web-based systems, safety critical systems

Co-Located Workshops

2014 also has several related workshops each focusing on a specifically defined topic. Refer to the conference website for detailed guidelines.

About Dallas

"Big D," as Dallas (the ninth-largest city in US) is called, offers the quintessential Lone Star experience to those who want it − barbecue and steaks, cowboy boots and rodeo shows. It has the nation's largest Arts District in Downtown. It is also the home of American Airlines with direct flights to many cities in U.S., Europe, Asia, and Central and South America.

Steering Committee Chair
T.H. Tse
The University of Hong Kong, Hong Kong

General Chair
W. Eric Wong
Department of Computer Science
University of Texas at Dallas, USA

Program Chair
Bruce McMillin
Department of Computer Science
Missouri Univ. of Science and Technology

Inquiries
Please send all enquiries to Professor Eric Wong at ewong@utdallas.edu and Professor Bruce McMillin at ff@mst.edu