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 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 have not been published and/or submitted for consideration of 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 1, 2014: Deadline for paper submission
- July 20, 2014: Notification to authors
- August 1, 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 also be submitted to the IEEE Xplore database and indexed by all the abstracting and indexing partners (such as the EI Compendex).

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, home of the Dallas Museum of Art, the Morton H. Meyerson Symphony Center for the Dallas Symphony Orchestra and Dallas Wind Symphony, the Trammell & Margaret Crow Collection of Asian Art, the Nasher Sculpture Center, and more.

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