IEEE

Reliability Society

QRS 2015

The 2015 IEEE International Conference on
Software Quality, Reliability & Security
Vancouver, Canada, August 3-5, 2015

http://paris.utdallas.edu/qrs15
(also http://paris.utdallas.edu/sere15 & http://paris.utdallas.edu/qsic15)

The 2015 IEEE International Conference on Software Quality, Reliability and Security

Starting from 2015, the SERE conference (IEEE International Conference on Software Security and Reliability) and the QSIC conference (IEEE International Conference on Quality Software) will be combined as a single conference QRS, with Q representing *Quality*, R for *Reliability*, and S for *Security*. The conference is sponsored by the IEEE Reliability Society. It draws engineers and scientists from both industry and academia to present their on-going work, relate their research outcomes and experiences, and discuss the best and most efficient techniques for the development of reliable, secure, and trustworthy systems. This presents an excellent opportunity for the academic community to become more aware of subject areas critical to the software industry, as practitioners bring their needs to the table. The 2015 conference will be held from August 3 to 5 in Vancouver, Canada.

TOPICS OF INTEREST

- Reliability, security, availability, and safety of software systems
- Software testing, verification and validation
- Program debugging and comprehension
- Information and software assurance
- Fault tolerance for software reliability improvement
- Modeling, prediction, simulation, and evaluation
- Metrics, measurements, and analysis
- Secure and reliable storage
- Software penetration and protection
- Software vulnerabilities
- Formal methods
- Malware detection and analysis
- Intrusion detection and prevention
- Operating system security and reliability
- Mobile and smartphone applications
- Internet of things and cloud computing
- Information and knowledge management
- Benchmark, tools, and empirical studies

TENTATIVE DATES

- January 15, 2015: Workshop proposals due
- March 28, 2015: Regular papers due
- May 1, 2015: Fast Abstract Track due
- April 25, 2015: Workshop & Student Doctoral Program due
- May 25, 2015: Author notification
- June 15, 2015: Camera-ready & author registration due

SUBMISSION

Submit original manuscripts (not published or considered elsewhere) with a maximum of ten pages (regular and workshop papers), six pages (Student Doctoral Program), and two pages (Fast Abstract Track). Each paper should include a title, and the name and affiliation of each author. Except for the Fast Abstract Track, each submission should also include a 150-word abstract and up to 6 keywords. The format of your submission must follow the guidelines for IEEE conference proceedings. The first author of a Student Doctoral Program submission must be a student. At least one Best Paper Award with a cash prize will be presented. Detailed instructions for paper submission can be found at http://paris.utdallas.edu/qrs15.

CONFERENCE PROCEEDINGS & SPECIAL SECTION

The proceedings will be published by IEEE Computer Society Conference Publishing Services (CPS). Accepted papers will also be submitted for inclusion into the IEEE Xplore and to other abstracting and indexing partners such as the Ei Compendex. Authors of selected best papers from the conference will be invited to submit an extended version to a special Journal issue.

ORGANIZING COMMITTEE

- Program co-Chair   Jian Zhang   Chinese Academy of Sciences, China
- Program co-Chair   Bhavani Thuraisingham   University of Texas at Dallas, USA

STEERING COMMITTEE

- W. Eric Wong (co-Chair)   University of Texas at Dallas, USA
- T. H. Tse (co-Chair)   The University of Hong Kong, Hong Kong

GENERAL INQUIRIES

For more detailed and updated information, please refer to http://paris.utdallas.edu/qrs15, or contact Professor W. Eric Wong, co-Chair, Steering Committee at ewong@utdallas.edu.