QRS 2019

The 19th IEEE International Conference on
Software Quality, Reliability, and Security

July 22-26, 2019 • Sofia, Bulgaria
https://qrs.techconf.org/

In 2015, the SERE conference (IEEE International Conference on Software Security and Reliability) and the QSIC conference (IEEE International Conference on Quality Software) were combined into a single conference, QRS, with **Q** representing *Quality*, **R** for *Reliability*, and **S** for *Security*, sponsored by the IEEE Reliability Society. This conference provides engineers and scientists from both industry and academia a platform to present their ongoing work, relate their research outcomes and experiences, and discuss the best and most efficient techniques for the development of reliable, secure, and trustworthy systems. It also represents 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 19th QRS conference will be held from July 22-26 in Sofia, Bulgaria.

TOPICS OF INTEREST

- Reliability, security, availability, and safety of software systems
- Software testing, verification, and validation
- Program debugging and comprehension
- Information and software quality 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, industrial applications, and empirical studies

IMPORTANT DATES

- ~~January 15, 2019: Workshop proposals due~~
- ~~March 15, 2019: Abstracts due (extended)~~
- ~~March 22, 2019: Regular & Short papers due (extended)~~
- ~~May 1, 2019: Fast Abstracts, Industry Track due~~

- ~~May 15, 2019: Workshop papers due (extended)~~
- ~~May 25, 2019: Author notification~~
- ~~June 14, 2019: Camera-ready & author registration due~~
- July 22-26, 2019: Conference dates

SUBMISSION

Submit original manuscripts (not published or considered elsewhere) with the following page maximums: twelve pages (regular papers), eight pages (short papers and workshop papers), and two pages (Fast Abstracts Track and Industry Track). Each paper should include a title and the name and affiliation of each author. Except for the Fast Abstracts Track and Industry 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. At least one Best Paper Award with a cash prize will be presented. Detailed instructions for paper submission can be found at https://qrs.techconf.org.

CONFERENCE PROCEEDINGS & SPECIAL ISSUE OF JOURNAL OF SYSTEMS AND SOFTWARE

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

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For more detailed and updated information, please refer to https://qrs.techconf.org, or contact Steering Committee Chair, Professor W. Eric Wong, at ewong@utdallas.edu, for general questions or Program Chairs, Professor Bruce McMillin at ff@mst.edu and Professor David Lo at davidlo@smu.edu.sg for paper submission and review.