



QRS 2018

The 18th IEEE International Conference on
Software Quality, Reliability, and Security

July 16-20, 2018 • Lisbon, Portugal
<http://paris.utdallas.edu/qrs18>



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 18th QRS conference will be held from July 16th to 20th in Lisbon, Portugal.

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 & empirical studies

IMPORTANT DATES

- ◆ January 15, 2018: Workshop proposals due
- ◆ March 8, 2018: Abstracts due
- ◆ **March 22, 2018: Regular & Short papers due (extended)**
- ◆ April 15, 2018: Workshop papers due
- ◆ May 1, 2018: Fast Abstract, Industry Track, & Student Program due
- ◆ May 18, 2018: Author notification
- ◆ June 1, 2018: Camera-ready & author registration due
- ◆ July 16-20, 2018: Conference dates

SUBMISSION

Submit original manuscripts (not published or considered elsewhere) with the following page maximums: twelve pages (regular papers), eight pages (short papers, workshop papers, and Student Doctoral Program), and two pages (Fast Abstract Track and Industry Track). Each paper should include a title and the name and affiliation of each author. Except for the Fast Abstract 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. 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/qrs18>.

CONFERENCE PROCEEDINGS & SPECIAL SECTION OF IEEE TRANSACTIONS ON RELIABILITY

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 best papers from the conference will be invited to submit an extended version to a special section of IEEE Transactions on Reliability.

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For more detailed and updated information, please refer to <http://paris.utdallas.edu/qrs18>, or contact Steering Committee Chair, Professor W. Eric Wong, at ewong2006@gmail.com, or Program Chair: Professor Rui Maranhão Abreu at rui.maranhao@tecnico.ulisboa.pt.