ISSSR 2018

The 4th International Symposium on System and Software Reliability

June 21-22, 2018 • Chengdu, China

Software and system reliability is the probability of failure-free software and system operation for a specified period of time in a specified environment. Reliability is also an important factor affecting software and system dependence. Many life-critical systems being required to operate without a system failure for a given period of time, such examples as nuclear, aerospace, spacecraft and high-speed trains and other such systems, need the development of reliability. This symposium provides scientists and engineers 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 2018 ISSSR will be held from June 21 to 22, 2018 in Chengdu sponsored by University of Electronic Science and Technology of China.

TOPICS OF INTEREST

- Architecture and design based reliability and performance
- Formalization verification
- Fault tolerance and diagnosis
- Process improvement and maintenance
- Quality and safety
- Redundancy technology
- Reliability analysis and optimization
- Reliability measurement, estimation, and predication
- Reliability modeling and validation
- Reliability requirement and growth models
- Reliability technological models
- Testing and simulation
- Trustworthy evaluation
- Data-Driven reliability model design
- Machine learning related to reliability

IMPORTANT DATES

- May 1, 2018:   Paper submission due
- June 1, 2018:   Author notification
- June 10, 2018:   Camera-ready and author registration due
- June 21-22, 2018:   Conference dates

SUBMISSION

Submit original papers (not published or submitted elsewhere) with a maximum of 10 pages (context and references). Include the title of the paper, and the name and affiliation of each author, a 150-word abstract, and up to 6 keywords. The format of your submission must follow the IEEE conference proceedings format. At least one Best Paper Award will be presented. Detailed instructions for paper submission can be found at http://paris.utdallas.edu/isssr18.

CONFERENCE PROCEEDINGS

The conference proceedings will be published by International Journal of Performability Engineering. Papers presented at the conference will be submitted to Ei Compendex.

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