



**Call for Papers**

2018 IISE Annual Conference & Expo  
 Loews Royal Pacific Resort, Orlando, Florida  
 May 19 – May 22, 2018

**TRACK: Quality Control and Reliability Engineering (QCRE)**

Deadline for abstract submission is November 7, 2017

Abstracts are required to be between 100 and 200 words

Abstract submission site: <https://www.xcdsystem.com/iise/>; Conference web site: [www.iise.org/annual](http://www.iise.org/annual)

Dear Colleagues:

The **Quality Control and Reliability Engineering (QCRE) Division** of the Institute of Industrial & Systems Engineers (IISE) is sponsoring **the QCRE Track** at the 2018 IISE Annual Conference and Expo. The conference is a forum for exchanging knowledge and discoveries in the industrial and systems engineering research and practitioner communities. The 2018 IISE Annual Conference and Expo integrates research and industry under one conference.

As track chairs of QCRE Track, we would like to encourage you to contribute to the conference by submitting an abstract. Authors of accepted abstracts will be invited to present their work in a session, choosing either a standard 20-minute presentation or a new 40-minute presentation for a lengthier discussion. Each session will be 80 minutes. Abstracts are welcomed for the QCRE Track in the following areas:

<ul style="list-style-type: none"> <li>• Reliability, Availability, Maintainability</li> <li>• Reliability Prediction, Modeling and Analysis</li> <li>• Physical Reliability Modeling</li> <li>• Reliability Growth Modeling</li> <li>• Degradation and Lifetime Testing</li> <li>• Accelerated Life Testing</li> <li>• Fault Tree and System Failure Analysis, FMEA</li> <li>• System Reliability and Optimization</li> <li>• Repairable Systems</li> <li>• Warranty Data Analysis</li> <li>• Data Mining</li> <li>• Distributed Sensing and Data Analysis</li> <li>• Safety and Risk Management</li> <li>• Decision Analysis and Risk</li> <li>• Systems Engineering and Design</li> </ul>	<ul style="list-style-type: none"> <li>• Systems Resilience Analysis</li> <li>• Quality Engineering and Applied Statistics</li> <li>• Quality Improvement in the Service Sector</li> <li>• Quality Planning and Management</li> <li>• Statistical Quality Control and Diagnosis</li> <li>• Six Sigma Methods and Process Capability</li> <li>• Statistical Process Control &amp; Tolerancing</li> <li>• Design and Analysis of Experiments</li> <li>• Profiles and Multiple Responses</li> <li>• Multivariate and Bayesian Methods</li> <li>• Response Surface Methodology</li> <li>• Regression and Forecasting</li> <li>• Sampling and Inspection</li> <li>• Nonparametric Methods</li> <li>• Big Data in Quality and Reliability</li> </ul>
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In addition to the traditional abstract and presentation, two other options are available for presenting your work: an extended abstract and a full paper.

- **Extended Abstract.** A new feature at this year's conference, the extended abstract is intended as a mechanism to explain the author's' work in more detail than the standard conference abstract allows. An extended abstract can include problem descriptions, technical details, and a brief analysis of the conclusions reached in the study or the impact of the engineering work to be discussed at the conference. Extended abstracts will be limited to three pages and will be judged based on correctness (e.g., accuracy of the statements made, relationships to other problems in the field), professionalism (e.g., quality of grammar and figures, adherence to formal writing standards), and content (e.g., sufficiency of information convey beyond the standard conference abstract). Extended abstracts must contain citations where appropriate, and may not plagiarize (or self-plagiarize) other work in the literature. Authors will be able to claim these works as *refereed extended abstracts*, which will be publicly viewable. They will not be copyrighted or indexed in the official conference proceedings, and therefore there is no limitation on reusing extended abstract material for other purposes (e.g., toward the publication of journal papers or subsequent conference proceedings).
- **Full Paper.** Like previous years, full papers should contain results that are *significant* and have *archival value* to the industrial and systems engineering research and practitioner community. Full papers have a six-page limit and will undergo a double-blind peer review process with more rigor relative to the extended abstract. Accepted papers will be copyrighted and indexed in the conference proceedings. Authors of rejected papers will be given the opportunity to resubmit their work as an extended abstract.

Important deadlines for the conference are as follows (**NOTE: THERE WILL BE NO EXTENSIONS**)

- Abstract Submission Deadline: **November 7, 2017**
- Notification of Decision on Abstract: **November 28, 2017**
- Submission of Extended Abstracts and Full Papers (optional): **January 16, 2018**
- Notification of Decision on Paper: **February 20, 2018**
- Final Version of Full Paper Due: **March 6, 2018**
- Presenting Author Registration Deadline: **March 13, 2018**
- Schedule Published: **April 3, 2018**
- 2018 IISE Annual Conference and Expo: **May 19-22, 2018**

If your abstract, extended abstract, or full paper is accepted: (a) the presenting author must register for the conference by March 13, 2018 (presentations without the presenting author registered for the conference will be withdrawn from the program and the proceedings); (b) the presenting author must attend and present the paper at the conference (presenting authors who fail to attend will have their paper withdrawn from the proceedings); and (c) all authors who submit an extended abstract or a full paper are expected to review two extended abstracts or full papers (as appropriate) for fellow authors.

There are also opportunities to organize invited sessions, panels, and tutorials. In addition to research and practitioner presentations, the annual conference offers many opportunities for attendees, including plant tours, networking, and keynote speakers.

We look forward to seeing you in Orlando!

*Regards,*  
Pingfeng Wang and Biao Zhang  
QCRE Track Chairs