



IISE Annual Conference & Expo 2022
Call for Abstracts and Presentation Summaries
 Hyatt Regency Seattle
 May 21-24, 2022

Track: Quality Control and Reliability Engineering (QCRE)

Abstract/Paper Submission Website: [Abstract Scorecard](#)
 Conference Website: <https://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 IISE Annual Conference & Expo 2022. The conference is a forum for exchanging knowledge and discoveries in the industrial and systems engineering research and practitioner communities. The IISE Annual Conference & Expo 2022 will continue to integrate research and industry applications under one conference.

As track chairs of the **QCRE Track**, we encourage you to contribute to the conference and track by submitting a 250-word abstract or presentation summary. Authors will be able to claim these works as refereed extended abstracts, which will be available on the conference website and can be cited. They will not be copyrighted or indexed in the official conference proceedings, and therefore there is no limitation on reusing this material for other purposes (e.g., toward the publication of journal papers or subsequent conference proceedings). Abstracts and presentation summaries are welcome, but are not limited, in the following areas:

<ul style="list-style-type: none"> • Big Data in Quality and Reliability • Deep Learning in Manufacturing • Data streams and Online Data Analysis • Reliability, Availability, Maintainability • Reliability Prediction, Modeling and Analysis • Physical Reliability Modeling • Reliability Growth Modeling • Degradation and Lifetime Testing • Accelerated Life Testing • System Reliability and Optimization • Warranty Data Analysis • Distributed Sensing and Data Analysis • Decision Analysis and Risk Management • High-dimensional Data Analysis • IoT & Cyber Manufacturing 	<ul style="list-style-type: none"> • Systems Resilience Analysis • Quality Engineering and Applied Statistics • Quality Improvement in the Service Sector • Quality Planning and Management • Statistical Quality Control and Diagnosis • Six Sigma Methods and Process Capability • Statistical Process Control & Tolerancing • Design and Analysis of Experiments • Profiles and Multiple Responses • Multivariate Data Analysis • Bayesian Methods • Response Surface and Surrogate Modeling • Sampling and Inspection • Nonparametric Methods • Data Analytics in Cybersecurity
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Authors of accepted abstracts and presentation summaries will be invited to present their work in a conference session. Regular sessions will be 80 minutes and have up to four presenters. **There are also opportunities to organize special sessions (e.g., tutorials, panels, workshops). If you are interested in organizing such a session, please contact the track chairs by October 15, 2021.** We highly encourage submissions from *university-industry collaborations* and *applications of emerging technologies and methods*.

We strongly encourage all presenters to submit a paper for publication so discoveries can be permanently documented. This year, two types of papers will be considered: research papers and case study papers.

- *Research papers* (with a limit of six pages) contain methods and results that are *significant* and have *archival value* to the industrial and systems engineering community. They will undergo a double-blind peer review process and accepted papers will be copyrighted and indexed in the Conference Proceedings via ProQuest.
- *Case study papers* (of two to six pages) describe the application of a method or technology that addresses an *important industry-motivated issue*. They will be reviewed to ensure that the content focuses on the value and lessons learned for the industrial and systems engineering community. The case study papers should avoid significant marketing material. Accepted manuscripts will be published with access via the IISE website.

Important deadlines:

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| • Submission deadline for abstract/presentation summary: | November 1, 2021 |
| • Notification of decision on abstract/presentation summary: | December 6, 2021 |
| • Paper submission deadline:
(<i>Paper submission is optional but encouraged.</i>) | January 20, 2022 |
| • Speaker registration deadline:
(<i>Applies to all accepted speakers not submitting a paper for review.</i>) | January 20, 2022 |
| • Notification of decision on paper: | March 1, 2022 |
| • Presenting author registration deadline:
(<i>Applies to all remaining speakers.</i>) | March 7, 2022 |
| • Paper final revision submission deadline: | March 14, 2022 |

Presenters submitting an abstract or presentation summary only (without a paper) must register by January 20, 2022. Presenters submitting a paper for consideration are granted an extended registration deadline of March 7, 2022. All presenters must register for the conference to avoid having their presentations/papers withdrawn from the program and the proceedings. The presenting author must attend and present the paper at the conference.

We look forward to seeing you in Seattle!

Best Regards,
QCRE Track Chairs

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