

Call for Papers

INFORMS Conference on Quality, Statistics, and Reliability (ICQSR) Best Paper Competition

2023 INFORMS Conference on Quality, Statistics, and Reliability (ICQSR) announces the Best Paper Award Competition to recognize excellence among the high-quality papers submitted to ICQSR. This award program brings prestige to the QSR Section as well as to the recipients of this honor.

Conference dates: June 06 – 08, 2023

Location: Raleigh, North Carolina, United States

Conference website: <https://informs-qsr.wordpress.ncsu.edu/>

The INFORMS Conference on Quality, Statistics, and Reliability (ICQSR) is the flagship conference of the [Quality, Statistics, and Reliability](#) (QSR) section of the [Institute for Operations Research and the Management Sciences](#) (INFORMS). ICQSR aims to provide an international forum for exchanging research innovations and advancements that reinforce the scientific essentials – quality improvement, statistical learning, and reliability assurance – and embrace emerging practical challenges. The theme of ICQSR 2023 is **Artificial Intelligence (AI) and Analytics for Future Industry**.

Topics of interest include, but are not limited to:

- AI for human-machine systems
- Data analytics for energy systems
- Process monitoring and control
- Analytics for smart and advanced manufacturing
- Systems informatics and control
- Design and analysis of computer experiments
- Reliability modeling
- Maintenance decision-making
- Data quality assurance and data visualization
- Quality and reliability analysis in Industry 4.0
- Data analytics in healthcare applications
- Science/Physics informed machine learning
- Prognostics and health management
- Machine learning and data mining
- Explainable AI and interpretable machine learning

On behalf of the organizing committee, we would like to invite you to submit a paper for this competition. The primary authors of the selected papers will be invited to present their work in the best paper session at the 2023 ICQSR. All submitted papers and oral presentations will be reviewed and ranked by multiple reviewers. The winner will be announced at the 2023 ICQSR Banquet. The broad criteria for selecting the recipient of the ICQSR Best Paper Award are: (a) Academic significance (originality, depth, and completeness of the work, and its potential impact on future research); (b) Engineering or business relevance (significance of the problem, and its impact on engineering or business practice); and (c) Quality of the written paper and oral presentation.

Eligibility Requirements and Application Process:

- At least one of the authors **must be a member of the QSR Section** ([Link](#) to join QSR)
- The submitted paper should be unpublished work by the submission deadline of the competition.
- The submitted paper should not have been selected as a winner of past competitions in other conferences.
- The primary author or one of co-authors must be committed to presenting the paper at a special session of the 2023 ICQSR.
- Papers considered for this competition **MAY** be simultaneously submitted to other sessions of the ICQSR. If a finalist is scheduled to present in another session, they need to present the paper twice: once in the ICQSR Best Paper session, and once in their previously scheduled session.
- The ICQSR Section does NOT own the copyright of the paper.
- **Required Format for Submission:** Please keep articles as brief as possible. The maximum length is 12 pages. Use 11 point font, 1 inch margins, and single-spacing for the manuscript including references, tables, figures and appendices. The paper must begin with an abstract of at most 150 words. The paper must follow the required format, or it will be returned without review.
- **The finalists of the best paper award competition will be encouraged to submit to IIE Transactions on Data Science, Quality and Reliability. The editorial board of IIE Transactions on Data Science, Quality and Reliability will work closely with the subcommittee of the ICQSR Best Paper Competition to shorten the first review cycle below 60 days.**

To participate in this competition, **a blinded as well as an unblinded version** of the paper in MS WORD or PDF format should be emailed to **all Co-chairs** of the ICQSR Best Paper Competition, with the email subject line "Name+University+2023 ICQSR best paper competition" prior to the deadline of **March 26, 2023**. This deadline will not be extended. Late submissions will be ineligible for the competition, and not reviewed.

Competition Timeline:

March 26:	Paper submission deadline
May 15:	Finalists announced
June 6:	Presentation in the ICQSR Best Paper session

The subcommittee of the ICQSR Best Paper Competition:

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