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2023 INFORMS Conference on Quality, Statistics and Reliability
June 06 - 08, 2023

June 06 – 08, 2023, North Carolina State University, Raleigh, NC USA

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 the exchange of 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) & Analytics for Future Industries, with potential applications in manufacturing, energy, healthcare, human-machine systems, etc. By integrating the efforts from both academia and industry, ICQSR intends to promote original, fundamental, and transdisciplinary research that potentially makes timely and long-lasting impacts in a broad range of applications.

With the collaborative efforts of our colleagues, we have curated an inspiring conference program, including three *plenaries* and eight *keynotes* delivered by esteemed leaders from academia and industry, four thought-provoking *panel discussions* featuring distinguished researchers, practitioners, and educators, and twenty *invited sessions* that showcase the latest advancements, trends, and breakthroughs in the field, offering attendees the opportunity to stay up-to-date with the forefront of research and innovation in quality, statistics, and reliability.

Plenary Speakers:

Vijay Nair | Wells Fargo
Managing Director and Head of
Advanced Technologies for Modelling

Cynthia Rudin| Duke University
Earl D. McLean, Jr. Professor

Jianjun Shi| Georgia Institute of Technology
Carolyn J. Stewart Chair and Professor

Keynote Speakers:

Julia Abate | Ergonomics
Center, NC State
Executive Director

Bianca Maria Colosimo |
Politecnico di Milano
Professor

Govi Kannan | Senior Vice
President
Mack Trucks, Inc.

Maria Mayorga | NC State
University
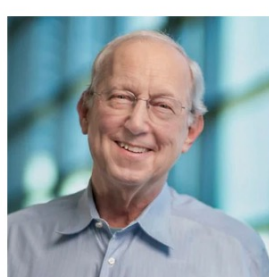University Faculty Scholar
and Professor of
Personalized Medicine

Lonnie Miller | SAS
Sr. Manager, Industry
Consulting, Manufacturing

Mikael Norrlof | ABB
Global Robotics Motion
Control Technology Owner

Peihua Qiu | University of
Florida
Founding Chair and Dean's
Professor

John Sall | JMP
Founder and Chair

Shawn Sheng | National
Renewable Energy
Laboratory
Researcher V-Mechanical
Engineering

Featured Sessions:

➢ **Leader Forum – Value and Need for Industry and Academia Collaboration**, a panel discussion seeking to facilitate an inclusive and dynamic dialogue among leaders from industry and academia, focusing on the establishment of successful programs that cultivate robust collaboration between industry and academia in research, education, and service

➢ **Artificial Intelligence and Data Analytics for Future Industry: Practitioner Perspectives,** a panel discussion with invited esteemed practitioners to interact with audiences and delve into the present state, challenges, and opportunities pertaining to the utilization of AI & Analytics in addressing industrial problems

➢ **Preparing Future Practitioners**, a panel discussion that aims to engage students with future professional colleagues in a pivotal conversation about the essential skills, knowledge, and experiences required for a successful future career as practitioners in the rapidly evolving world of AI & Analytics

Join Us: https://informs-qsr.wordpress.ncsu.edu/attending/

For general questions about ICQSR 2023, please feel free to contact the conference secretariat at **infor.icqsr@gmail.com**. We look forward to seeing you at ICQSR 2023!

Program Committee Co-Chairs:
Adel Alaeddini (University of Texas at San Antonio)
Ran Jin (Virginia Tech)
Jian Liu (Chair, INFORMS Quality, Statistics, and Reliability Section, University of Arizona)