The 14th International Conference on Quality, Reliability, Risk, Maintenance, and Safety Engineering (QR2MSE2024)

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Special Session on: Advanced Quality Modeling and Control Methods for Manufacturing Engineering

Advanced quality modeling and control plays a critical role in manufacturing engineering for achieving high-quality products and continuous improvement. With tighter tolerance and higher performance standards, there is a need to develop fast, efficient and advanced quality modeling and control methods in manufacturing engineering, thereby satisfying the specifications of various products' functional attributes.

In order to further improve the methods of quality modeling and control, this special session aims to discuss recent advances in quality techniques. The list of topics includes, but is not limited to:

- Advanced quality modeling methods and algorithms
- Statistical quality control
- AI-based quality control approaches
- Quality prediction and anomaly detection techniques
- Monitoring and diagnosis
- Applications of quality modeling in manufacturing
- Intelligent manufacturing
- visual inspection,
- Measurement and Metrology

Chair: Shichang Du, Shanghai Jiao Tong University, China (E-Mail: lovbin@sjtu.edu.cn)

Shichang Du received the Ph.D. degree in industrial engineering and management from Shanghai Jiao Tong University, Shanghai, China, in 2008. He is currently a Professor with the Department of Industrial Engineering and Management, Shanghai Jiao Tong University. His current research interests include quality control with analysis of variation flow, monitoring, and intelligent diagnosis and prognosis of manufacturing systems. He has published more than 110 papers in journals. He is an Area Editor of Computers & Industrial Engineering, and Associate Editor of Journal of Intelligent Manufacturing, Measurement, Precision Engineering, and Flexible Services and Manufacturing journal.

Chair: Yiping Shao, Zhejiang University of Technology, China (E-Mail: syp123gh@zjut.edu.cn)

Yiping Shao received the Ph.D. degree in mechanical engineering from Shanghai Jiao Tong University, Shanghai, China, in 2020. He is currently an Assistant Professor with the College of Mechanical Engineering, Zhejiang University of Technology. His current research interests include quality control, measurement and visual inspection, intelligent manufacturing, monitoring and diagnosis. He has published papers more than 20 papers in journals. He is an Early Career Advisory Board of Measurement and Measurement: sensors, and Youth Editorial Board Member of Electronics and Signal Processing.