



Data-Based Process Monitoring, Process Control, and Quality Improvement in Industry

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Message from the Guest Editors

This Special Issue on “Data-Based Process Monitoring, Process Control and Quality Improvement in Industry” aims to curate a comprehensive overview of the latest research and developments in applications of data-based process monitoring, process control, and quality improvement, highlighting data-driven approaches utilized to optimize process performance, reduce waste, and improve product as well as process quality, and provides valuable insights for researchers and practitioners working in these areas. Topics include, but not are limited to, the following:

- Real-time monitoring;
- Statistical process control;
- Big data analytics, machine learning, and artificial intelligence;
- Smart manufacturing;
- Process optimization;
- Fault detection and diagnosis;
- Process control;
- Quality improvement approaches;
- Lean Six Sigma;
- Design for Six Sigma;
- Industry 4.0;
- Blockchain-based traceability.





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Message from the Editor-in-Chief

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