Complex Process Modeling and Control Based on AI Technology

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Message from the Guest Editors

Dear Colleagues,

In recent years, with the rapid development of big data and artificial intelligence technology, how to apply these new technologies to complex systems has attracted the attention of many scholars. The aim of this Special Issue is to explore complex process modeling, optimization and control, as well as the important support for the application of advanced methods and techniques of machine learning and artificial intelligence to complex processes.

This Special Issue will focus on complex process modeling and control based on AI technology and will present considerable novelty in both theoretical background and practical design. Research areas may include (but are not limited to) the following:

- Hybrid intelligent modeling techniques;
- Data-driven modelling techniques;
- Modeling and optimization of complex industrial processes;
- Online measurement, process control, and optimization for cyber–physical systems;
- Data mining and management methods for massive volumes of data;
- Machine learning applications to manufacturing automation.

Special Issue

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Message from the Editor-in-Chief

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