

Special Issue

Process Control and Optimization

Message from the Guest Editors

We are pleased to invite you to contribute your research to our Special Issue “Process Control and Optimization”. This Special Issue will delve into the theoretical developments, novel methodologies, practical applications, and case studies related to process control and optimization. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following topics:

- Process modeling and simulation;
- Process control and instrumentation;
- Process monitoring and fault detection;
- Process optimization;
- Production planning and scheduling;
- Process management and decision support systems;
- Advanced control strategies and algorithms;
- Model predictive control (MPC);
- Real-time optimization;
- Industrial big data analytics and cyber-physical systems;
- Artificial intelligence in process control;
- Integration of process systems engineering (PSE) methodologies;
- Digital twins and industrial internet of things;
- Optimization of energy consumption and resource utilization;
- Industrial case studies and applications.

Guest Editors

Prof. Dr. Xiaojun Zhou

Dr. Yitao Yan

Dr. Zhaoke Huang

Deadline for manuscript submissions

closed (20 December 2024)



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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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