



## Modeling, Simulation, Control and Optimization in Engineering with Applications, 2nd Edition

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### Message from the Guest Editors

The Special Issue aims to compile a collection of case studies, examples of application, and new optimization and simulation-based techniques specifically oriented to facilitate the controller design task and ensure its successful behavior. Topics include, but are not limited to, the following:

- Mathematical modeling of physical systems.
- Simulation and optimization software.
- Computational processes in modeling, simulation, and optimization.
- Optimization approaches for control system design.
- Optimization and modeling in artificial intelligence.
- Modeling, simulation, and optimization of coupled problems.
- Modeling and simulation-based decision support systems.
- Defining synthetic environments for engineering problems.
- Model predictive, robust, and adaptive control.
- Machine learning and artificial intelligence-based control systems.
- Modeling, simulation, control, and optimization of industrial processes, electrical and energy systems, or transport systems.
- Modeling, control, navigation, and guidance of unmanned vehicles.
- MSCO applied to biosystems, sustainable systems, and biomedical engineering.

**Special Issue**



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## Message from the Editor-in-Chief

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