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Modeling, Simulation, Control and Optimization in Engineering with Applications

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Message from the Guest Editors

The Special Issue on modeling, simulation, control and optimization (MSCO) aims to gather a collection of case studies, examples of application, and new optimization and simulation-based techniques specially oriented to facilitate the controller design task and its success 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.
- Optimisation approaches for control systems design
- Optimisation 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 control
- Robust and adaptive control
- Modeling, simulation, control and optimization of industrial processes, electrical and energy systems, or transport systems.
- Modelling, control, navigation and guidance of unmanned vehicles







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Message from the Editor-in-Chief

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