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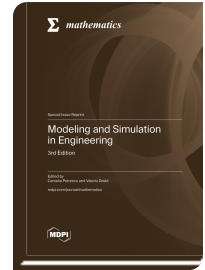
Modeling and Simulation in Engineering

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The Special Issue, Modeling and Simulation in Engineering, belonging to the section Control Theory and Mechanics of the Journal *Mathematics*, publishes original research papers involving advanced simulation and modeling techniques.

The present reprint, “Modeling and Simulation in Engineering, 3rd Edition” contains 8 papers accepted after peer review by recognized specialists in the field. The papers address different topics in engineering that use modeling and optimization as well as experimental and numerical methods based on state-of-the art devices and software. The subjects of the papers address technical problems such as error mitigation in ultra-wide-band range measurements, trajectory control of differential drive mobile robots, motion controllers for the trajectory of mobile robots, propellant distribution optimization in space exploration missions, modeling traffic flow as a tool for vehicle adaptive cruise control systems, monitoring vehicle convoys using a drone-based platooning system, communication and navigation systems for Earth-Moon communication and rover movement on the Moon’s surface and solving optimal control problems using a new state parametrization method.

We hope that the papers selected for this issue will attract a significant audience in the scientific community and will further stimulate research involving modeling and simulation in mathematical physics and in engineering.



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