

Special Issue

Special Issue for the 64th International Conference of Scandinavian Simulation Society, SIMS 2023

Message from the Guest Editors

This Special Issue will include a selection of papers deemed as journal quality from the [64th International Conference of Scandinavian Simulation Society, SIMS 2023](#). **Conference Themes:**

- Modeling and simulation for design, planning, optimization, control and monitoring;
- Tools for modeling and simulation, numerical methods for simulation and novel techniques;
- Visualization of modeling and simulation results;
- Practical case studies of industrial automation.

Application areas include:

- Renewable energy systems: bioenergy and biofuels, geothermal, hydro, solar, thermal, wave, tidal and wind energy;
- Hydrogen technologies: production, storage and transportation and hydrogen value chain;
- Energy systems: electric power, energy storage, fuel cells, heat pumps, industrial plants, energy use in buildings and power plants;
- Transportation: automotive, hybrid and electrical vehicles, marine and infrastructure;
- Industrial processes including carbon capture and storage, chemical processing, hydrogen production, oil and gas and water treatment;
- Cyber-physical systems;
- Biosystems and medical systems.

Guest Editors

Prof. Dr. Konstantinos Kyrianiadis

Prof. Dr. Erik Dahlquist

Dr. Ioanna Aslanidou

Deadline for manuscript submissions

closed (28 February 2025)



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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

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