

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)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/168182

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

[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)