## **Special Issue**

# Multiphysics Simulation and Control of SMR and Micro Nuclear Power Systems

## Message from the Guest Editor

SMR and microreactor designs represent a paradigm shift for the nuclear industry, encompassing a variety of fuels and coolants with applications that extend beyond energy production. It has become clear that as these designs evolve, multiphysics simulations are necessary to ensure their safety, resilience, and reliability. Obtaining additional data is critical for the verification and validation of these tools. This Special Issue aims to present novel research on computational tools, analysis methods, and experimental data for improving the design, safety analysis, and operation of SMRs and microreactors. Consequently, this Special Issue will serve as a repository for researchers to share state-of-the-art developments in this field

#### **Guest Editor**

Dr. Justin Watson

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## Deadline for manuscript submissions

closed (31 March 2025)



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## Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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