# **Special Issue**

### Development of Advanced Models for Analysis and Simulation of Fuel Cells

### Message from the Guest Editors

are inviting submissions to a Special Issue of Energies on "Development of Advanced Models for Analysis and Simulation of Fuel Cells". To address the requirements on shorter product development cycles and reduced development costs, while boosting power density, efficiency, service life and safety, it is necessary to rely on advanced simulation models in the development process of fuel cells, their components, and fuel-cellbased systems. Simulation models are also indispensable for the analysis of fuel cells and for precise online monitoring. To provide an answer to these challenges, this Special Issue will focus on but is not limited to the following topics: all types of fuel cells, their components, and fuel-cell-based systems; atomistic models; mesoscopic models; continuum models; multiscale models; scale bridging approaches and methodologies; reduced dimensionality models; models for interpreting EIS spectra; observer (SoX), online monitoring and control oriented models; advanced model parametrization tools.

### **Guest Editors**

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### Deadline for manuscript submissions

closed (31 October 2021)



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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.

### Editor-in-Chief

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