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Development of Advanced Models for Analysis and Simulation of Fuel Cells

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Deadline for manuscript
submissions:

closed (31 October 2021)

Message from the Guest Editors

Dear Colleagues,

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-cell-based 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.

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Special Issue



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Message from the Editor-in-Chief

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