



Evaluation and Optimization of Fuel Cell Performance

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Message from the Guest Editor

This Special Issue on “Evaluation and Optimization of Fuel Cell Performance” will curate novel advances in research which either use modeling and simulation as an important component of the analysis of fuel cell systems using either commercial or open source software or present the development of new and better models of fuel cell systems or fuel cell components. Advances obtained using experimental methods are also welcomed.

To maximize impact, cell-scale multiphase flow modelling of PEMFC based on fundamental processes of the complex two-phase transport, full-scale PEM fuel cell models as well as research articles using open-source software are particularly welcomed.

Topics include, but are not limited to:

- The development of models or simulations of the electrochemical performance of fuel cell units;
- Simulation techniques, software, algorithms, or other tools for the modeling and simulation of transport phenomena in fuel cell units;
- Water management in PEM fuel cells;
- Design, analysis, control, preparation, optimization, operation, and manufacturing innovation of fuel cell systems, including fuel cell units and their auxiliary equipment.





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Message from the Editor-in-Chief

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