

## Special Issue

# Computational Methods of Multi-Physics Problems

### Message from the Guest Editor

We are inviting submissions to a Special Issue of *Energies* on the subject area of “Computational Methods for Multi-Physics Problems”. These problems might include hydraulic fracturing, piezoelectricity, flexoelectricity, modeling of energy harvesters or energy storage, or the modeling of batteries to name a few topics. The focus of manuscripts should be on computational modeling or new computational methods for such multi-physics problems. Computational modeling is a powerful tool and is complementary to experimental testing. Topics of interest for publication include, but are not limited to:

- Computational methods for moving boundary/interface problems;
- Phase field models;
- Meshfree and isogeometric formulations;
- Multiscale methods;
- Uncertainty analysis and uncertainty quantification;
- Verification and Validation;
- Optimization;
- Machine Learning approaches;
- Prediction of material properties;
- Nano-scale modeling (MD, DFT, etc.).

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### Guest Editor

Prof. Dr. Timon Rabczuk  
Institute of Structural Mechanics, Bauhaus-Universität Weimar, 99423  
Thuringia, Germany

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### Deadline for manuscript submissions

closed (30 November 2018)



## Energies

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Enrico Sciubba

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