



Computational Methods of Multi-Physics Problems

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 November 2018)

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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Message from the Editor-in-Chief

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