Special Issue

Electromagnetic Field Computation for Electrical Engineering Devices

Message from the Guest Editors

We are pleased to announce a Special Issue focused on the importance of electromagnetic field computation. This Special Issue aims to present and disseminate research and advancements in this field. We invite submissions on various topics related to electromagnetic field computation in electric devices. Some potential areas of interest include, but are not limited to, the following: - Maxwell's equations as the foundation of electromagnetic field computation;
- Numerical methods, such as the finite difference method (FDM), finite element method (FEM), method of moments (MoM), and finite volume method (FVM);
- Boundary conditions, including perfect electric conductor (PEC) boundaries, perfect magnetic conductor (PMC) boundaries, and impedance boundary conditions;
- Material models and their properties for an accurate representation of electromagnetic behaviour;
- Simulation of new electronic devices, and exploring their electromagnetic characteristics and performance;
- Advancements in micro- and nanoscale optical devices incorporating electromagnetic field computation.

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Deadline for manuscript submissions

closed (31 August 2024)

Energies

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CiteScore 7.3

mdpi.com/si/174761

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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.

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