

Special Issue

Advances in Computational Electromagnetics and Applications

Message from the Guest Editors

Computational electromagnetics (CEM) stands as a cornerstone of modern engineering, providing indispensable numerical tools to analyze, design, and innovate across a vast spectrum of technologies. Aligning with the broad scope of *Electronics*, which encompasses the entire field of theoretical and applied electronic science, this Special Issue aims to capture the most recent and transformative advances in CEM methodologies. We seek high-quality contributions that push the boundaries of the field, with suggested themes including, but not limited to:

- novel fast algorithms and high-performance computing for electrically large and multiscale problems;
- advanced modeling of multiphysics interactions (electro-thermal, opto-mechanical, plasma-coupled);
- mesoscopic and stochastic electromagnetic phenomena;
- emerging frontiers in quantum electromagnetics and light-matter interaction at the quantum level;
- and data-driven approaches for optimization, inverse design, and AI-enhanced modeling.

This collection will highlight the cutting-edge algorithms and innovative applications that are defining the next generation of electronic and photonic systems.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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