Special Issue

Recent Advancements and Applications of Computational Electromagnetics

Message from the Guest Editors

***Computational Electromagnetics* (CEM)** plays a critical role in every area that needs to solve the Maxwell equations by numerical approaches. Classical CEM methods include the method of moments (MOM), finite element method (FEM), finite difference time domain (FDTD), and so on. Traditional applications cover evaluations of radar target properties and electromagnetic compatibility, analyses of radiofrequency antennas and components, predictions of wave propagation and scattering behaviors, extractions of microwave circuit and network parameters, inversions or imaging of electromagnetic structures, and so forth. Simulations of electromagnetic interactions with thermodynamic, hydrodynamic, and quantum fields have also drawn much attention in the last decade. Emerging CEM methods and applications involve machine learning and next-generation wireless communications, etc. Undeniably, CEM is a vivifying subject to explore academic frontiers and solve engineering problems that are related to electromagnetic phenomena by using a numerical methodology and high-performance computers. We look forward to the latest research on CEM in terms of algorithms and applications.

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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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