



Recent Advances in Electromagnetism: Topics, Advances and Applications

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Message from the Guest Editor

Dear Colleagues,

This Special Issue of *Symmetry* on advanced electromagnetic and applications serves as a multidisciplinary platform for publishing recent advancements and developments field. The scope of this publication includes all aspects of electromagnetic theory, in addition to its wide-ranging advanced applications. The aim of the present SI is to promote and advance electromagnetic theory, quantum electromagnetics, optics, photonics, plasmonics, metamaterials, antennas, microwaves, computational electromagnetics, electromagnetic compatibility, scattering, random media, remote sensing, radars, radiometry, imaging, radiative transfer, inverse problems, quantum optics, material effects, acoustics, and all other modern developments. This Special Issue will selectively publish ground-breaking, high-quality research and invites reviews of significant topics across all areas of electromagnetics. Papers submitted to Issue should substantially advance a particular field, open a new area of research, or solve a long-standing challenge...





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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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