

Symmetry in Physics of Plasma Technologies

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Message from the Guest Editor

Symmetry properties not only underlie fundamental physical laws, but also turn out to be key principles in the implementation of the use of these laws for practical purposes. This special issue of SYMMETRY aims to highlight the various aspects of symmetry in plasma physics in its various technological applications. The proposed range of problems covers a wide range of areas of applied plasma physics.

We are soliciting contributions (research and review articles) in all of these areas, while encouraging the emphasis on exploiting fundamental aspects of plasma physics, including symmetry: magnetic confinement of plasma (including controlled thermonuclear fusion), inertial and magneto-inertial compression of plasma, plasma facing components, acceleration of plasma, plasma thrusters, plasma radiation sources, plasma microwave electronics, plasma converters of heat to electricity, plasma processing of materials, plasma chemistry.





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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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