

Special Issue

Terahertz Communication and Asymmetric Transmission: Advances and Applications

Message from the Guest Editor

Symmetry is one of the most important notions in natural science. However, many new phenomena, such as asymmetry transmission, polarization selection, and so on, appear under the condition of symmetry breaking in traditional devices. Terahertz (THz) communication and asymmetric transmission have aroused great interest in the scientific community with the rapid development of THz science and technology. The aim of the present Special Issue is to emphasize the advances and applications of terahertz communication and asymmetric transmission in nanostructure, metamaterials, and so on. We are soliciting contributions (research and review articles) covering a broad range of topics on terahertz communication and asymmetric transmission, including (though not limited to) the following:

- Terahertz devices such as filters, absorbers, modulators, polarizers, electromagnetic-induced transparency, antennas, sensors, etc.
- Asymmetry transmission in nanostructures or metamaterials.
- Symmetry breaking in nanosciences.
- The applications of chiral structures.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2022)



Symmetry

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CiteScore 5.3



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About the Journal

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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