Special Issue

Application of Symmetry in Antenna Design

Message from the Guest Editor

This Special Issue entitled "Application of Symmetry in Antenna Design" aims to explore the significant role of symmetry in advancing antenna design methodologies and applications. This Special Issue delves into the diverse utilization of symmetry principles in developing innovative antenna designs across various frequencies, including but not limited to microwave, millimeter-wave, and terahertz. The contributions focus on novel approaches, theoretical frameworks, and practical implementations highlighting the efficacy and advantages of employing symmetry in antenna design. This collection aspires to foster a deeper understanding of how symmetry-based concepts contribute to enhancing antenna performance, radiation characteristics, and overall efficiency in modern communication systems.

- Antenna design
- Symmetry principles
- Electromagnetic radiation
- Microwave antennas
- Millimeter-wave technology
- Terahertz applications
- Antenna efficiency
- Communication systems
- Symmetric structures
- Radiation characteristics.

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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.

Editor-in-Chief

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