# Special Issue

# Symmetric/Asymmetric Analysis and Design of Microwave Circuits/Antennas

## Message from the Guest Editor

This Special Issue, entitled “Symmetric/Asymmetric Analysis and Design of Microwave Circuits/Antennas”, aims to explore the significance of symmetric/asymmetric analysis methods and design concepts in advanced multi-function integrated microwave circuits/antennas. Specifically, it delves into novel circuits/antennas integrated with the functionalities of frequency selectivity, power division, phase shifting, balance–unbalance transform, electromagnetic radiation/reception, etc. The contributions will focus on the novel approaches, theoretical frameworks, and practical implementations highlighting the efficiency and advantages of function integrated circuits/antennas in either the symmetric or asymmetric network form. This collection aspires to foster a deeper understanding of function integration concepts, which contribute to high integration, compact size, and low loss circuit/antenna designs in a modern communication system. Therefore, seeing the potential of symmetric/asymmetric concepts in microwave/millimeter-wave circuit/antenna designs, we would like to present the current advances in this topical field through this Special Issue...

## Guest Editor

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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.

### Editor-in-Chief

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