Special Issue

Symmetry in Quantum Optics and Quantum Information Research

Message from the Guest Editors

Quantum measurement has the advantages of high accuracy, high sensitivity, wide response range, and easy integration, which will break the classical measurement limit. Quantum precision measurement and related quantum information technology improve the methods of information acquisition and transmission, providing potentials for experiments and applications with high precision, and open a pathway for large-scale and high-performance quantum networks.

This Special Issue aims to serve as a platform for the presentation of new and improved techniques of quantum precision measurement and related quantum information technology, as well as the symmetric properties of these fields. In particular, the theoretical or experimental investigation and improvement of quantum information technology and other extended topics fall within the scope of this Special Issue.

Guest Editors

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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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