

Special Issue

Nanomechanics and Symmetry in Quantum Signal Processing —Theory and Application

Message from the Guest Editor

This Special Issue of *Symmetry* will focus on selected topics concerning the interplay between nanomechanics, symmetry, and quantum mechanics in hybrid condensed-matter systems. In addition to contributions on the aforementioned topic, we welcome short reviews and original research papers covering their mathematical models and experimental realisations as well as novel aspects addressing topological computing, anyons, topological spintronics, and novel symmetry- and topology-related phenomena.

Guest Editor

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Deadline for manuscript submissions

28 February 2026



Symmetry

an Open Access Journal
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Impact Factor 2.2
CiteScore 5.3



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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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