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## Symmetry in Optimization Theory, Algorithm and Applications II

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Deadline for manuscript  
submissions:

**closed (31 December 2024)**

### Message from the Guest Editors

Dear Colleagues,

Following the success of the Special Issue of *Symmetry* titled "Symmetry in Optimization Theory, Algorithm and Applications", it is my pleasure to return as the Guest Editor for a second installment. This Special Issue will provide a platform for scholars to present their latest research on symmetry in optimization theory, methods, and applications. Topics of interest include, but are not limited to, symmetric cone optimization, symmetric cone complementarity problems, sparse optimization, statistical optimization, financial statistics, biostatistics, portfolio optimization, interior-point methods, first-order optimization methods, machine learning, artificial intelligence, neural networks, and mathematical modeling.



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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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