



*symmetry*

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## Symmetry in Image Encryption

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submissions:

**closed (30 April 2024)**

### Message from the Guest Editors

Dear Colleagues,

In the era of digital communication and information security, the preservation of data integrity and confidentiality is paramount. Among others, images are a fundamental and a significant data source in various domains, from healthcare, finance to military and personal communication.

This Special Issue, 'Symmetry in Image Encryption' seeks to underscore the intersection and role of symmetry principles, cryptographic techniques, and deep learning in protecting visual information. We invite researchers, practitioners, and experts working in this domain to submit their papers (original research as well as theoretical studies) that uses novel methods, particularly deep learning, to address the symmetrical aspects of image encryption and uncover potential vulnerabilities, thereby contributing to the practical implementation of symmetry-based image encryption techniques.



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# Special Issue



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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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