



symmetry

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Communication Engineering and Symmetry: Frontiers, Trends, and Challenges

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Message from the Guest Editor

This Special Issue plans to give an overview of the frontiers, trends, and challenges in communication engineering and symmetry. This Special Issue is aimed at providing selected contributions on advances in both theoretical and experimental research with regard to symmetric and asymmetric communication systems and networks. Topics of interest include, but are not limited to:

- Electromagnetics, antennas, and wave propagation;
- Signal processing for communications;
- Channel measurement and modelling;
- Mobile communications including 4G, 5G, and 6G;
- Optical communications;
- Dedicated communications such as railway/power/military communications, etc.;
- Communication and networking techniques for Internet of Things (IoT);
- Applications of artificial intelligence (AI) in communications.



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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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