

Special Issue

Symmetry and Asymmetry in Communications Engineering

Message from the Guest Editors

During the last couple of decades, communications engineering, both wired and wireless, as well as specialized applications developed for different purposes and facilities, have changed our daily lives. As the market requests are becoming more and more demanding, it is likely that this technological growth will continue for the next decade, and beyond. 5G and beyond communication systems and networks will enable a high capacity, increased rate, reduced delay, and low energy consumption, and provide better connection to multiple devices. The Internet of Things has become the Internet of Everything, with sensors that may be included in a large number of applications, from retail to healthcare, from finances to smart agriculture, and from vehicular electronics to space surveillance applications. The artificial intelligence and big data applications that are under development or are already offered to the market boost productivity and refine business processes, but one critical challenge is, still, the security and privacy of the devices that are interconnected or manipulated...

Guest Editors

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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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