



Research and Applications of Symmetric Sensor Networks

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Message from the Guest Editors

Internet-of-Things (IoT) technology is now triggering a new round of industrial revolution worldwide and has become an important force to drive social development. Symmetry plays an indispensable role in it. Wireless sensor networks (WSNs) in the sensing layer are composed of a large number of stationary or mobile sensors in a self-organized and multi-hop manner for collaboratively sensing, collecting, processing, and transmitting information of objects, and finally sending this information to the owner of the network. Compared with the traditional ad hoc network, WSN has the characteristics of self-organization, dynamics, reliability, and data centers, so it can be applied to places people cannot reach. At present, the structure and node layout of sensor networks are research hotspots. Some elegant or interpretable properties such as symmetry deserve to be discussed or studied.

The purpose of this Special Issue is to gather a collection of articles on the latest research and developments in this field of research.





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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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