Special Issue

Cognition and Utilization of Electromagnetic Space Signals

Message from the Guest Editors

The cognition and utilization of electromagnetic space signals have long provided the basis of electromagnetic signal processing. With the emergence of technologies and services, there has been exponential growth in the variety of types of electromagnetic equipment and systems, such as communication, radar, navigation, remote sensing, etc., resulting in the emergence of electromagnetic signals with complex characteristics. To attain a thorough comprehension and optimal usage of intricate electromagnetic spatial signals, it is imperative to investigate fresh models and concepts of electromagnetic spatial perception and usage. These include immersive perception, integrated detection of subject and object, and measurement fusion, which can prompt leapfrog development and disruptive innovation within the corresponding electromagnetic information technology sector. Topics of interest include, but are not limited to, the following areas:

- interaction mechanism of electromagnetic signals
- intelligent sensing of electromagnetic signals
- intelligent cognition of electromagnetic signals
- fusion characterization of electromagnetic signals

Guest Editors

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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