

Special Issue

Satellite Communication Technologies and Challenges

Message from the Guest Editors

Satellite communication systems have advantages such as wide coverage and large transmission capacity, overcoming the geographical limitations of ground cellular communication, enabling multi-dimensional communication tasks in space and on the ground, and allowing emergency communication support in natural disasters. Currently, satellite communication systems play an important role in multiple fields such as transportation, aviation, logistics, agriculture, meteorology, and environmental protection. During the development process of these systems, the large scale and complex network of satellites pose challenges to the real-time stability and efficiency of transmission. In order to support the development of satellite communication technology, this Special Issue focuses on the latest systems, high-speed high-order modulation communication technologies, advanced coding and modulation strategies, and their innovative applications in inter-satellite high-speed links, satellite-ground feeding links, and satellite-ground user links. It primarily includes research on the latest signal waveform design and communication signal processing theory.

Guest Editors

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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