



Satellite Communication

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Message from the Guest Editor

Dear Colleagues,

With the increasing ubiquity of digital connectivity, our daily lives are becoming vitally dependent on swift access to the global network. With the recent advancement in satellite communication and the reduced launching costs, a whole paradigm is opened to fill the vast gap left by the limitations of terrestrial networks.

This Special Issue aims at bringing together multiple facets of next-generation satellite communication networks, systems and applications. In particular, it presents the recent developments in the fields of the Internet-of-Things over satellite, broadband satellite access, and the integration of next-generation terrestrial networks (5G) with satellite and UAV networks. To address these fields, the covered scope includes: shared spectrum access, antenna design, novel communication system architecture, the use of machine learning techniques for better satellite communications, intersatellite links, satellite optical links, interference mitigation, quantum key distribution, RF and electronics systems, signal processing algorithms, and satellite communication security.





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