

Special Issue

Emerging Trends in Satellite Communication Networks

Message from the Guest Editors

Satellite communication networks are rapidly evolving to meet the demands of next-generation wireless systems, particularly in the context of 6G. These networks are expected to play a critical role in providing seamless global connectivity, ultra-reliable low-latency communications, and massive machine-type communication. This Special Issue aims to explore the latest advancements and innovations in satellite communication networks, emphasizing their integration with cutting-edge 6G technologies. Topics of interest include integrated sensing and communication (ISAC) for dual-use capabilities, unsourced massive random access for supporting massive IoT deployments, non-orthogonal multiple access (NOMA) for spectral efficiency, and physical-layer security techniques to ensure data confidentiality in complex communication environments. We also welcome contributions addressing other emerging 6G technologies, including AI-driven network optimization, advanced modulation schemes, multi-orbit satellite networking, and so on.

Guest Editors

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Deadline for manuscript submissions

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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 guestedited by leading experts in selected topics of interest.

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