



Recent Advances and Challenges of Satellite and Aerial Communication Networks

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Message from the Guest Editors

Dear Colleagues,

Satellite and Aerial communication (SAC) has been viewed as a key element for bringing real-time, higher-capacity communication and wider coverage in the connection and deployment of a plethora of applications. Nevertheless, owing to the inherent nature of satellite broadcasting and huge area coverage, SAC can be easily exposed to eavesdroppers, leading to various security issues.

Therefore, the theme of this Special Issue is to investigate secrecy and high-energy efficiency transmission problems in SAC, with potential topics including, but not limited to, the following:

- Security protocol for satellite and aerial communications;
- Network safety measures in satellite and aerial communications;
- Developments in cloud storage security;
- Interception prevention in satellite and aerial communications;
- Developments in radio propagation mediums;
- Satellite broadcasting and security research;
- Satellite UAV-assisted communications;
- RIS-based satellite and aerial communications;
- Covert satellite communications;
- NOMA-based secure satellite and aerial communications.





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Message from the Editor-in-Chief

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