Satellite Communications in 5G Networks

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Message from the Guest Editors

The role of satellite networks is of utmost importance for providing ubiquitous Internet services. Due to their broadcasting ability and global coverage at standard cost, satellites present an effective communication platform capable of relaying radio signals virtually between any points on Earth. In the upcoming 5G era, the future cellular and satellite communication networks should be envisioned to support efficient and flexible resources management and provide customized services to meet the service-specific high-performance requirements in a variety of use cases. […]

This Special Issue aims at collecting original studies on advanced satellite communication technologies […].

- high throughput satellite systems
- multi-beam satellite systems
- extremely high frequency RF and optical satellite systems
- MIMO satellite communications
- propagation measurements
- software radio defined satellite receivers
- satellite based internet of things
- satellite based machine to machine communications
- SDN/NFV satellite networks
- artificial intelligence in satellite networks

Special Issue

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Message from the Editor-in-Chief

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