

Special Issue

Physical Layer Innovations for 6G Space-Air-Ground Integrated Networks

Message from the Guest Editors

Sixth-generation (6G) wireless communication networks will not only be limited to terrestrial wireless communication networks, but they will also be supplemented by non-terrestrial networks, such as satellites, unmanned aerial vehicles (UAVs), and vehicle-to-everything (V2X) communications, with the aim to build a space-air-ground integrated network (SAGIN). In the design and evaluation of the performance of SAGIN wireless communication systems, it is fundamental to investigate and innovate key technologies of physical-layer wireless communications for space-air-ground integrated networks. **Keywords**

- wireless channel measurements and modeling
- heterogeneous network performance analysis and optimization
- IRS-assisted wireless communications
- massive MIMO communications
- vehicular communication networks
- UAV communication networks

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