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Terahertz Technology for 6G Communication: Devices and Applications

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Deadline for manuscript submissions:
closed (15 February 2024)

Message from the Guest Editors

We are inviting submissions to the Special Issue on Terahertz Technology for 6G Communication: Devices and Applications. The terahertz band (0.1–10THz) is the key window connecting light waves and microwaves. It has become more appealing in six-generation networks due to its large communication and favorable propagation. As a promising solution for 6G wireless networks, terahertz communication plays an essential role in meeting the increasing demands of data traffic. The objective of this Special Issue is to cover all aspects of photonics/electronics-based terahertz technologies.

Some of the topics of interest include but are not limited to:

- Terahertz solid electron devices;
- THz integrated circuits;
- Terahertz vacuum electron devices;
- Terahertz modulation technology;
- Metamaterials, RIS, and metasurfaces;
- Semiconductors, 2D materials, and topological photonics;
- Photonic emitter;
- Integrated photodetectors;
- THz antenna design and optimization;
- THz communication technology and systems.

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Special Issue

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Message from the Editor-in-Chief

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