



Terahertz Transmission and Imaging

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Message from the Guest Editors

Dear Colleagues,

Terahertz (THz) waves have good penetration to most non-polar materials and are biosafe. Therefore, terahertz imaging is considered to be a revolutionary technology in the field of nondestructive testing and bioimaging. In addition, terahertz is considered to be the core frequency band of 6G communication in the future because it has super-bandwidth spectrum resources that can be utilized to support super-high-speed communication. How to realize low loss transmission has become one of the most important problems in terahertz communication.

Therefore, this Special Issue focuses on new components, devices, methods, and systems of terahertz transmission as well as imaging. We welcome fundamental research, advanced technologies, and innovative applications in the form of theories, simulations, or experiments. Manuscripts will include, but not be limited to, the following topics:

- Terahertz waveguide and transmission components, methods, systems;
- Terahertz modulation and absorption components, methods, and systems;
- Terahertz sensing and imaging components, methods, systems.

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