Special Issue

Terahertz Transmission and Imaging

Message from the Guest Editors

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 componets, 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.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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