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Application of Terahertz Imaging to Nondestructive Evaluation

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Message from the Guest Editor

Dear Colleague,

Terahertz technology shows great promise for the nondestructive evaluation of a variety of materials. This Special Issue focuses on all innovations that can improve nondestructive evaluation based on far- and near-field THz imaging as well as on the identification of THz spectroscopic fingerprints. We look forward, in particular, to investigations of new materials and samples and to improvements in resolution, penetration depth, measurement speed, and in the compacity of THz systems. The advances can rely on developments in devices (emitters, sensors), system design, or data processing methods.

Keywords

- THz imaging
- THz spectroscopy
- Nondestructive Evaluation
- Signal Processing
- Image Processing



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Special Issue



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Message from the Editor-in-Chief

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