

## Special Issue

# Terahertz Imaging and Tomography with FMCW Radars

### Message from the Guest Editor

Frequency-Modulated Continuous-Wave (FMCW) radars operating in the terahertz (THz) range offer unique capabilities for high-resolution and noninvasive sensing, imaging, and tomography. Combining wide bandwidths with coherent detection, THz FMCW systems enable submillimeter depth resolution, penetration through optically opaque materials, and enhanced contrast in complex media. This Special Issue aims to showcase recent advances in THz FMCW technology, including hardware innovations, novel signal processing algorithms, and emerging applications in areas such as biomedical imaging, nondestructive testing, cultural heritage inspection, security screening, and industrial process monitoring. Contributions exploring hybrid systems (e.g., combining time-domain or near-field techniques), compact on-chip solutions or novel architectures (e.g., topological beamformers), and advanced data processing are particularly encouraged to be submitted.

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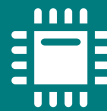
### Guest Editor

Dr. Jean-Paul Guillet  
IMS Laboratory, University of Bordeaux, 3340 Talence, France

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### Deadline for manuscript submissions

closed (25 January 2026)



## Sensors

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### Editor-in-Chief

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