

## Special Issue

# Passive and Active THz Components

### Message from the Guest Editor

The research and development in the 0.1–1.0 THz frequency region are extremely significant for a wide range of applications, such as telecommunication and imaging systems, material spectroscopy, medical treatments, etc. Despite the problems in technology and high prices for basic components, THz systems offer high data rates for telecommunication, high spatial resolution in object visualizations, small sizes of antennas, and other elements. Otherwise, the state of the art of THz devices reveals serious issues with radiation sources, electronically/optically/mechanically tunable phase shifters, filters, etc. Micromachining is a rapidly developing novel technology platform for passive and active THz components to overcome these issues. Accordingly, this Special Issue seeks to showcase research papers, communications, and review articles that focus on:

### Guest Editor

Prof. Dr. Dmitri V. Lioubtchenko

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### Deadline for manuscript submissions

closed (30 June 2023)



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### Message from the Editor-in-Chief

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### Editor-in-Chief

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