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Terahertz Communications: Present and Future

Guest Editors:

Prof. Dr. Giuseppe Piro

Department of Electrical and Information Engineering, Politecnico di Bari, Via Edoardo Orabona, 4, 70126 Bari BA, Italy

Prof. Dr. Akram Alomainy

School of Electronic Engineering and Computer Science, Faculty of Science and Engineering, Queen Mary University of London, Mile End Road, London E1 4NS, UK

Dr. Qammer Abbasi

James Watt School of Engineering, University of Glasgow, Glasgow G12 8QQ, UK

Deadline for manuscript submissions:

closed (31 December 2019)

Message from the Guest Editors

This Special Issue intends to collect high-level scientific contributions focusing on present achievements and future goals in the terahertz communication domain. Specifically, the topics of interest include:

- THz antennas including carbon nanotubes and graphene-based designs
- THz communication links modelling and characterisation
- Theoretical limitations and considerations of electromagnetic waves at THz
- THz radar and sensing devices and solutions
- THz tissue characterisation and sensing for biomedical applications
- THz material characterisation and synthesis
- Advanced physical transmission techniques for THz
- Nanoscale devices and networks at THz
- Nanoscale network architecture at THz
- Communication protocols for nanoscale networks
- Experimental testbeds and reference use cases based on THz communications



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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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