

## Special Issue

# Terahertz Communications: Present and Future

### 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

### Guest Editors

Prof. Dr. Giuseppe Piro

Prof. Dr. Akram Alomainy

Dr. Qammer Abbasi

### Deadline for manuscript submissions

closed (31 December 2019)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/24211](https://mdpi.com/si/24211)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

[mdpi.com/journal/  
appls](https://mdpi.com/journal/appls)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### 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.

---

### Editor-in-Chief

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

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )