

## Special Issue

# Terahertz and Far Infrared Pulsed Devices and Systems

### Message from the Guest Editors

Dear Colleague, Pulsed Terahertz (100 GHz- 10 THz) and far infrared (FIR up to 30 THz) systems and devices have been, and still are, a major driver of the research field. This Special Issue aims for providing an overview about latest research and developments of pulsed THz and FIR devices and systems including, but not limited to, the following topics:

- Sources & detectors
- System concepts (e.g. ASOPS, ECOPS, OSCAT, ABCD)
- New materials and concepts for pulsed THz/FIR devices
- Non-destructive testing including thickness analysis
- Broadband spectroscopy, algorithms for material parameter extraction
- 2D and 3D hyperspectral imaging
- Fundamental research including nonlinear effects in matter

Further information:

[mdpi.com/journal/applsci/special\\_issues/Terahertz\\_Far\\_Infrared](https://mdpi.com/journal/applsci/special_issues/Terahertz_Far_Infrared) We are looking forward to your contribution!

Best regards,

---

### Guest Editors

Prof. Dr. Sascha Preu

Department of Electrical Engineering and Information Technology,  
Technical University of Darmstadt, Darmstadt, Germany

Prof. Dr. Jan Balzer

Faculty of Engineering, University Duisburg-Essen, Duisburg, Germany

---

### Deadline for manuscript submissions

closed (31 May 2019)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/16630](https://mdpi.com/si/16630)

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

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

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





# 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, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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