



an Open Access Journal by MDPI

## Electromagnetic Imaging from Radio Frequency to Sub-millimeter Waves

Guest Editors:

**Dr. Alessandro Fedeli**

Department of Electrical,  
Electronic, Telecommunication  
Engineering, and Naval  
Architecture, University of Genoa,  
16145 Genova, Italy

**Dr. Valentina Schenone**

Department of Electrical,  
Electronic, Telecommunications  
Engineering, and Naval  
Architecture, University of Genoa,  
16145 Genova, Italy

Deadline for manuscript  
submissions:

**15 November 2024**

### Message from the Guest Editors

The objective of electromagnetic imaging is to retrieve information about tested structures by studying their interactions with electromagnetic waves. To make a long story short, this involves solving an inverse problem, where the measurable effect is a field-related quantity, and the cause is related to the targets' geometric and electromagnetic properties. The major benefit of using non-ionizing radiation for electromagnetic imaging is the possibility of acquiring target features and analyzing objects in a fully non-invasive and safe way.

Topics of interest include, but are not limited to:

- Electromagnetic imaging
- Microwave imaging
- Millimeter-Wave imaging
- THz imaging
- Tomography
- Inverse scattering
- Inverse problems
- Subsurface imaging
- Nondestructive tests
- Through-the-Wall imaging
- Biomedical diagnostics
- Security imaging



[mdpi.com/si/200601](https://mdpi.com/si/200601)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Flavio Canavero**

Department of Electronics and  
Telecommunications,  
Politecnico di Torino, 10129  
Torino, Italy

## Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

## 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), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

**Journal Rank:** JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

## Contact Us

---

Electronics Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/electronics](http://mdpi.com/journal/electronics)  
[electronics@mdpi.com](mailto:electronics@mdpi.com)  
[X@electronicsMDPI](https://x.com/electronicsMDPI)