

Special Issue

Advances and Applications of Microwave Imaging

Message from the Guest Editors

Since the first pioneering studies, microwave imaging has appeared as a very promising methodology to inspect structures and bodies in a non-invasive way. Applications are now ranging from medical diagnostics to security, from nondestructive testing to geophysics and archaeology. Original research works, as well as tutorials and review papers, are welcome. Topics include, but are not limited to:

- Theoretical advances in microwave imaging;
- Qualitative and radar-based imaging strategies;
- Quantitative inverse-scattering algorithms;
- Machine learning methods applied to microwave imaging;
- Compressive sensing;
- Forward and inverse electromagnetic scattering models;
- Numerical and computational issues;
- Development and validation of microwave imaging systems;
- Antennas and measurement apparatuses for microwave imaging;
- Medical, industrial and security applications;
- Ground penetrating radar systems and processing methods;
- Microwave imaging based antenna diagnostics;
- Microwave imaging in earth and atmospheric sciences;
- Novel applications and research perspectives.

Guest Editors

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Deadline for manuscript submissions

closed (15 November 2022)



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About the Journal

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.

Editor-in-Chief

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