Special Issue

Emerging Trends in Microwave Imaging Technologies and Applications

Message from the Guest Editors

Microwave imaging has emerged as a powerful diagnostic and sensing technology, with growing relevance across various scientific and industrial disciplines. Its ability to provide non-invasive, real-time, and high-resolution imaging under complex or harsh conditions makes it uniquely suited for applications ranging from biomedical diagnostics and security screening to material characterization and plasma research. Recent advances in microwave sources, antenna system, detector arrays, and computational imaging algorithms, including those enhanced by machine learning, are continuously pushing the boundaries of performance, resolution, and adaptability. These developments are attracting growing interest from both academic and industrial communities, driving the evolution of next-generation imaging system and expanding their impact in real-world applications. This Special Issue will provide a platform for researchers and engineers to present recent developments, innovative methods, and novel applications of microwave imaging. This topic aligns closely with the journal's scope, which includes sensing technologies, diagnostic systems, embedded electronics, and real-time signal processing.

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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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