

Special Issue

Numerical Methods and Measurements in Antennas and Propagation

Message from the Guest Editors

Design and analysis of antennas involve the resolution of Maxwell's equations with complex boundary conditions, and in many cases, numerical techniques are the only option. All the numerical techniques with their variants have been applied to the design, analysis and development of microwave devices and, in particular, antennas. Also, experimental characterization of antennas is a sophisticated task that requires highly specific installations depending on the type of measurement, the dimensions of the antenna relative to the wavelength, and the frequency of measurement. In this special issue the topics of interest are:

- Techniques FDTD, TLM, FEM, BEM and their variants in the numerical modeling of antennas.
- Advanced techniques for numerical modeling of antennas.
- Antenna measurement systems in near field with transformation to far field.
- Compact Range measurement systems.
- Advanced Antenna measurement systems.
- Phased Array Antenna systems.

Guest Editors

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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.

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