Special Issue

Development of UWB Antennas and Microwave Components

Message from the Guest Editor

The objective of this Special Issue is to report novel topologies, design methods, as well as validation schemes of UWB antenna structures and microwave circuits that reach beyond the frontiers of the current state of the art. The topics of interest cover synthesis, design and modeling methods, integration techniques, and optimization algorithms, including but not limited to:

- Antenna arrays
- Automated design methods
- Bandwidth-enhancing methods
- Co-design of UWB components and neighboring systems
- Compact antennas
- Computer-aided design
- MIMO antennas
- Miniaturization of antennas and passive components
- Modeling methods for UWB antennas and microwave components
- Multi-objective optimization
- Reduction of interferences
- Robust design and statistical analysis
- Surrogate-assisted methods
- Topology evolution
- Ultra-wideband amplifiers
- UWB for IoT and sensor networks
- UWB antennas for imaging
- UWB antennas for medical applications

Guest Editor

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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.

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