Special Issue

Advanced Antenna Systems and Techniques for 6G and Beyond Wireless Communications

Message from the Guest Editor

The capabilities, features and technologies of the upcoming 6G networks are currently being investigated. The effective integration and cost of these radio elements will condition the future capabilities of these systems that will surely combine sensing, computing and communication functions. Efficient energy systems will be required that allow the multiband, multibeam and multilayer operation of the antennas, as well as the use of complementary elements such as intelligent surfaces or adaptive massive MIMO environments. The complexity in the electromagnetic design of these systems requires the improvement of advanced tools and techniques such as multi-objective optimization and hybrid integration models, which are an essential focus on the roadmap towards 6G networks.

- Advanced multi-function antennas for 6G;
- Shared-aperture antennas, filtering and diplexed antennas;
- New topologies and intelligent surfaces for 6G;
- Transparent or textile devices;
- Multi-objective optimization and systems;
- IoT and MIMO antennas for 6G communications and decoupling systems;

Guest Editor

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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