Special Issue

Advancements in CAD Techniques for IoT: Modeling, Optimization, Surrogate-Assisted Methods

Message from the Guest Editor

The Internet of Things (IoT) is a part of the ongoing technological revolution oriented towards seamless gathering and processing of data by ubiquitous interconnected electronic devices. Reliability of IoT-based services depends on the availability of cheap radio-frequency (RF) components characterized not only by high performance, but also small dimensions and a low-power consumption.

Challenges related to design of RF structures can be addressed using advanced modeling techniques, surrogate-assisted methods, as well specialized single- and multi-objective optimization algorithms.

The objective of this Special Issue is to report innovative methodologies for design of IoT components that reach beyond the frontiers of the current state of the art. Review articles focused on introducing the concepts of rapid simulation-driven design are also anticipated.

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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