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Superconducting and Quantum Metamaterials, Metacircuits, and Metadevices

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2020)

Message from the Guest Editor

The aim of this Special Issue is to highlight recent developments and advances in the theory, design, modeling, fabrication, characterization/experiment, and application of superconducting and quantum metamaterials, metacircuits, and metadevices operating at DC, RFs, microwaves, millimetre-waves, terahertz, and optics that address multiple aspects of challenges in:

- cavity Josephson plasmonics;
- plasmonic superconducting metadevices and metacircuits;
- superconducting quantum/Josephson metamaterials;
- low-loss superconductingsemiconducting/graphene/insulator hybrid metamaterials;
- superconducting hyperbolic metamaterials; or
- waveguide quantum electrodynamics.

Keywords:

- superconducting plasmonic metamaterials;
- Josephson plasmonics;
- Josephson junctions;
- quantum circuits and electrodynamics;
- quantum metamaterials;
- hybrid superconductingsemiconducting/graphene/insulator metamaterials:
- cavity and wa equit by us type decrod, na nics.











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Message from the Editor-in-Chief

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