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RF/Microwave Circuit Design and Characterization Techniques

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Message from the Guest Editors

Dear Colleagues,

Radio-frequency (RF) and microwave/millimeter-wave technologies are becoming increasingly widespread, with a number of applications, including communications, wireless sensing systems, and wireless power transfer. They have had a significant impact on the internet-of-things (IoT) framework, as well as in biomedical, automotive, military, and many other industrial contexts.

The present Special Issue aims to collect original contributions and reviews reporting the state-of-the-art of RF/Microwave circuit design and experimental characterization techniques, with a particular focus on integrated semiconductor process technology, circuit design, test setup development, and instrumentation, but also including CAD techniques, electromagnetic analyses, high-frequency sensing technology, digital signal processing enhancements, and system-level methods.

keywords: RF/microwave circuit design; RF/microwave electron devices; RF/microwave characterization and modeling techniques; RF/microwave instrumentation; Digital signal processing for RF/microwave systems; MMIC technology; Antenna design and characterization; CAD techniques



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Special Issue



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Message from the Editor-in-Chief

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