Special Issue

High-Power and High-Frequency RF MEMS and Their Applications

Message from the Guest Editors

Radio-frequency microelectromechanical systems (RF MEMS) were introduced more than two decades ago and immediately attracted significant attention across the RF community. Indeed, RF MEMS offer a unique set of features that, apart from the exceptional RF performance, also includes very low power consumption and manufacturability atop of various substates compatible with low-temperature restrictions. It is true that throughout these years, RF MEMS has also faced some periods of skepticism. Nowadays, as result of the gained experience, it appears that RF MEMS are re-attracting the attention of both the scientific community and the relevant stakeholders. Current topics of major interest include RF application operating under high RF-power levels and/or at higher micro/millimeter wave frequencies. With the vision to reinforce the spread of the new knowledge, this Special Issue aims to cover the full pallet of approaches and welcomes the submission of reviews, short notes, and regular research papers of any discipline within these two interdisciplinary and emerging domains.

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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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