Special Issue

Challenges and Solutions in Exposure Assessment for Emerging Wireless Networks

Message from the Guest Editors

Currently, exposure to radiofrequency and microwave electromagnetic fields (EMF) emitted by wireless technologies is pervasive and ubiquitous. The continuous evolution and deployment of new technologies in the fifth (5G) and upcoming sixth generation (6G) of wireless telecommunication networks will have an important impact on human-centric communications and sensing, which will involve user exposure to EMF in this new era of connectivity. In these new exposure conditions, the accurate control of induced exposure and assessment of potential biological consequences represent a challenge. In this Special Issue, we invite submissions dealing with innovative computational and experimental bioelectromagnetic approaches aimed to characterize exposure scenarios and to assess human exposure to emerging generations of wireless technologies. Research papers or reviews can focus on (but are not limited to) innovative measurement techniques and protocols, computational methods, stochastic and deterministic dosimetry approaches, compliance testing, machine learning and integrated strategies, approaches for minimizing exposure, networks optimizations, etc.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2024)

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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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