Special Issue

Radio Frequency Identification in Wireless Communications

Message from the Guest Editors

Currently, radio frequency identification (RFID) technology is in a state of fast and steady development, with the overall market size and demand for devices and systems growing, as well as the realm of use cases and applications expanding. In this aspect, advances in information and communication technologies are strong drivers of growth. Prospective integration in 5G/5G+ and future 6G networks and use in IoT systems are revealing significant potential for developing new fields of applications in connectivity and data gathering, as well as enhancing already existing ones in logistics, tracking, etc. The research literature is keeping pace with development, addressing (among others) topics such as RFID tag and reader design, antennas and propagation, protocols and security, tracking and localization, signal processing, energy efficiency and harvesting, as well as emerging technologies and applications such as novel materials, digital twins, millimeter-wave and THz systems, etc. Use cases such as mobile connectivity, sensor networks, biomedical and environmental telemetry, and smart cities, to name a few, underscore the enabling potential of RFID technologies.

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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