

Special Issue

Challenges in 5G and IoT Environments

Message from the Guest Editors

Fifth generation (5G) networks are being currently developed and deployed across the globe, enabling new networking scenarios for services and environments. Among the systems that are going to take an enormous advantage of the use of 5G technologies are those related to the Internet of Things (IoT). Nevertheless, along with the development of these new technologies, new challenges are arising. The virtualization of network elements (Network Function Virtualization, NFV) and the use of new paradigms for their deployment, such as Software Defined Networking (SDN) or Intent-based Networking (IDN) are key enablers of the 5G and IoT scenarios and suppose interesting research areas nowadays. Moreover, there is a wide new scenario for security issues to be considered in these networks, and also it is an especially prolific area for the application of Artificial Intelligence (AI) and Machine Learning (ML) techniques, improving and generating new network-based services. We are pleased to invite researchers to contribute to this issue with their original research work or with review articles focused on the challenges that arise with the emergence of 5G and IoT communications.

Guest Editors

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Deadline for manuscript submissions

closed (31 May 2023)



Electronics

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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.

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