Special Issue

Advanced Communication and Networking Techniques for Artificial Intelligence of Things (AIoT)

Message from the Guest Editors

Artificial Intelligence of Things (AIoT) is considered a collaborative application of Artificial Intelligence (AI) and the Internet of Things (IoT). With the fast growth of Internet of Things (IoT), vehicular networks, and the advent of 5G/6G, there are more rigorous performance requirements (e.g., ultra-low latency and ultra-high reliability) for advanced communication and networking techniques that enable the emerging high mobility applications. Future AIoT systems will provide intelligent wireless connections with a high data rate for anyone at anytime and anywhere with the aid of AI, for example when traveling in high-speed trains and highway vehicles. These high mobility scenarios result in rapidly time-varying channels, which pose urgent demands for AI-empowered large-scale communications as well as significant challenges for the design of communication and networking models and technologies for AIoT. Manuscripts should be submitted online at: www.mdpi.com/journal/electronics/special_issues/25DIEG6924 We look forward to receiving your contributions.

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Deadline for manuscript submissions

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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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