Special Issue

Online Learning Aided Solutions for 6G Wireless Networks

Message from the Guest Editors

The evolving Sixth Generation (6G) wireless networks will provide 100 to 1000 Gbps rates and ultra-low latency of 1 millisecond using native, embedded Artificial Intelligence (AI) capability to support myriad services, such as Holographic Type Communication (HTC), tactile Internet, remote surgery, etc. However, these services demand ultra-reliability, which is highly impacted by the dynamically changing environment of 6G heterogeneous tiny cells, whereby static AI-based solutions fitting all scenarios and devices are impractical. This talented low cost/fast converging learning methodology motivates researchers and practitioners to apply it and bound its performance in various future wireless communication systems, including Millimeter-Wave/TeraHertz (mmWave/THz) communications, D2D communications, NOMA based systems, Physical Layer Security (PLS), Unmanned Aerial Vehicles (UAV) communications, Cognitive Radio (CR) systems, Reconfigurable Intelligent Systems (RIS), etc. This Special Issue (SI) is soliciting original technical papers addressing the main research challenges in the direction of applying online learning aided solutions for handling future 6G networks.

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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.

Editor-in-Chief

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