Special Issue

Recent Advances in Wireless Ad Hoc and Sensor Networks

Message from the Guest Editors

Emerging technologies and standards related to wireless ad hoc and sensor networks (WSN) have significantly evolved over the past few years. WSNs have become an integral part of the Internet of Things (IoT) ecosystem; therefore, a diverse range of IoT applications based on WSNs have been realized in numerous fields such as transportation, energy, industry, health, environment, etc. These WSN-IoT applications generate huge amounts of data that must be collected and processed in real-time or near real-time. Handling such data may be extremely complex and, therefore, artificial intelligence (AI) and machine learning (ML) techniques are being used for more efficient IoT services that will fulfill end-user expectations. AI-based WSN-IoT applications are rapidly becoming more useful in every facet of our daily lives including intelligent health monitoring, real-time traffic management, self-driving cars and many other "smart" applications. The advantages of AI/ML are abundant, most notably in terms of increased efficiency, lower human error rates, improved workflows, 24/7 availability, deeper data analysis and more informed decision making.

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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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