

Special Issue

Advanced Wireless Sensor Networks: Applications, Challenges and Research Trends, 2nd Edition

Message from the Guest Editors

The ability of wireless sensor networks (WSNs) to support a practically endless variety of human activities places them among the most rapidly developing domains of technology with a continuously growing range of applications. On the other hand, the utilization of WSNs is obstructed because of not only the limited resources of sensor nodes in terms of energy supply, memory, and processing, but also the inborn restrictions of wireless communications regarding power, speed, and the capacity of communication channels and their vulnerability to interferences and intrusion. Thus, numerous challenges arise on the subject of WSNs. At the same time, emerging advances in various sectors of science and technology seem to be promising to support and enhance the operation of WSNs, thus triggering corresponding research trends. This Special Issue aims to support research works related with the state of the art, standards, experimentations, implementations, applications, new research proposals, and case studies regarding WSNs. Invited papers have to be original and must not be published or be under review in any other conference or journal.

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Message from the Editor-in-Chief

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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