

Special Issue

Artificial Intelligence of Things (AIoT): Opportunities, Challenges, and Solutions

Message from the Guest Editors

The Internet of Things (IoT), with the help of other technologies, such as edge computing, artificial intelligence (AI) and 5G, is driving a significant shift to support the emerging IoT-related applications with specific requirements with better flexibility and efficiency. In this regard, AI subdomains, such as data analytics and learning techniques, play an important role in supporting the emerging IoT-related applications. AI integrated with IoT heralds the era of Artificial Intelligence of Things (AIoT). Although AIoT could provide some noticeable opportunities and benefits, integrating AI with IoT brings some challenges and concerns. This Special Issue is designed to highlight the important challenges facing AIoT and their potential solutions. It also aims to introduce emerging AIoT-related applications and presents recent progress in the AIoT research domain, ranging from the use of AI to various systems and architecture efficiency.

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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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