

Special Issue

Recent Advances in Applied Deep Neural Network

Message from the Guest Editors

Deep neural networks have been applied in various fields, such as unmanned vehicles, intelligent answers, intelligent translation, smart grids, weather forecast, stock forecast, face comparison, voice print ratios, etc. Many other interesting applications, such as intelligent illustration, automatic poetry and automatic composition, can be achieved through deep neural networks. However, with the rapid development of deep networks, some new problems and challenges inevitably arise, which require the continuous development of original and more powerful technologies, while paying attention to their practical applications. The goal of this Special Issue is to cover the significant advances in applied deep neural networks, including, but not limited to, novel method design concepts, online real-time computing technology based on deep learning, hardware implementation of deep networks, simulation of information processes of human consciousness and thinking using deep networks, and novel application of deep neural networks.

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Deadline for manuscript submissions

closed (15 February 2024)



Electronics

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CiteScore 6.1



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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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