

Special Issue

Applications of Deep Learning: Emerging Technologies and Challenges

Message from the Guest Editor

Deep learning is an emerging technology in all fields, from medical studies to all areas of engineering. Among the domains where deep learning is frequently applied are computer vision, natural language processing, self-driving cars, control systems, robotics, and medical and solving complex problems, such as finding new drugs and identifying the gene sequence. The ability to extract underlying principles without human intelligence makes it an attractive alternative to conventional methods.

This Special Issue intends to showcase outstanding breakthrough works using deep learning in medical, remote sensing, robotics, control systems, modern 5G, IoT, natural language processing, agriculture applications, and any other applications based on deep learning methodology. Hardware accelerators (GPU, FPGA, ASIC) and software optimizers that are useful in implementing deep learning techniques are considered. Further, review articles and survey papers on modern trends in the various fields applying deep learning methods will also be permitted.

Guest Editor

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About the Journal

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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