



Applications of Deep Learning: Emerging Technologies and Challenges

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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