

Special Issue

Deep Learning for Big Data Processing

Message from the Guest Editors

The fast-growing data exhibit heterogeneous, large-scale, multi-task and multi-source natures. Traditional data processing techniques have several limitations in processing large amounts of complex data. Deep learning has been a ubiquitous tool in various research fields, such as natural language processing, computer vision, biomedical engineering and informatics. This Special Issue aims to study 1) how to build supervised/weakly supervised/self-supervised deep learning models, which leverage large variety, large velocity and large veracity representation learning, 2) how to conduct rigorous empirical investigation of different deep learning methods across a variety of tasks, including, but not limited to, recognition, detection, biomedical imaging, biomedical signal processing and analysis, 3) how to improve the interpretability of deep learning algorithms with regard to human-understandable justifications or insights about the inner workings, and 4) how to create large-scale datasets for algorithms research and real world applications development. Prof. Dr. Qingli Li

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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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