



## Deep Learning for Big Data Processing

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### Message from the Guest Editors

Dear Colleagues,

The fast-growing data exhibit heterogenous, 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.

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## Message from the Editor-in-Chief

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