# Special Issue

# Deep Learning for Computer Vision and Pattern Recognition

### Message from the Guest Editor

Deep learning is a rich family of methods, encompassing neural networks, hierarchical probabilistic models, and a variety of unsupervised and supervised feature learning algorithms. The recent surge of interest in deep learning methods is due to the fact that they have been shown to outperform previous state-of-the-art techniques in several tasks, in addition to the abundance of complex data from different sources. A variety of models and techniques have been proposed in recent years based on convolutional neural networks (CNNs), the “Boltzmann family” including deep belief networks (DBNs) and deep Boltzmann machines (DBMs), stacked denoising autoencoders, deep recurrent neural networks (long short-term memory, gated recurrent units, etc.), generative adversarial networks, and other deep models. Deep learning has fueled great strides in a variety of computer vision problems. The purpose of this Special Issue is to present recent advances in deep learning for computer vision and pattern recognition, providing a forum to present new academic research and industrial development. Welcome to contribute.

### Guest Editor

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### Deadline for manuscript submissions

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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 guestedited by leading experts in selected topics of interest.

## Editor-in-Chief

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