

Special Issue

Deep Learning for Image, Video and Signal Processing

Message from the Guest Editors

Deep learning has been a major revolution in modern information processing. All major application areas have been affected positively by this breakthrough, including image, video and signal processing. Deep learning has rendered traditional approaches that employ man-made features obsolete by allowing neural networks to extract optimized features through learning. The aim of this Special Issue is to present and highlight the newest trends in deep learning for image, video and signal processing applications. These may include, but are not limited to, the following topics: Object detection; Semantic/instance segmentation; Image fusion; Image/video spatial/temporal inpainting; Generative image/video processing; Image/video classification; Document image processing; Image/video processing for autonomous driving; Audio processing/classification; Audio source separation; Contrastive/semi-supervised learning; Knowledge distillation methods.

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