



Deep Learning for Image, Video and Signal Processing

Guest Editors:

Dr. Nikolaos Mitianoudis

Department of Electrical and
Computer Engineering,
Democritus University of Thrace,
67100 Xanthi, Greece

Dr. Ilias Theodorakopoulos

Department of Electrical and
Computer Engineering,
Democritus University of Thrace,
67100 Xanthi, Greece

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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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Prof. Dr. Willy Susilo

School of Computer Science and
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of Wollongong, Northfields
Avenue, Wollongong, NSW 2522,
Australia

Message from the Editor-in-Chief

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