Deep Learning Models and Applications to Computer Vision

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Message from the Guest Editors

This Special Issue aims to publish cutting edge research in privacy and security enabled solutions to different vision related tasks such as recognition, tracking, autonomous driving, medical image analysis and classification. The Special Issue will accept unpublished original papers and comprehensive reviews focused (but not limited to) on the following research areas

- Entropy-based object recognition;
- Spatial-entropy-based computer vision models;
- Mathematical advancement in deep learning models;
- Light weight deep learning models for edge devices/resource constrained devices;
- Privacy aware computer vision solutions;
- Visual data security;
- Identification and mitigation techniques for cyber-attacks on image and video data;
- Deep learning methods for image style transfer;
- Deep learning methods for image segmentation;
- Deep learning methods for object detection and classification;
- Virtual reality applications;
- Immersive technology;
- Application of deep learning methods for human computer interaction;
- Smart cities.

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Special Issue

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Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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