Deep Learning in Computer Vision and Image Processing

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Deadline for manuscript submissions:
closed (15 February 2024)

Message from the Guest Editors

Dear Colleagues,

In this Special Issue, we welcome manuscripts on the design of specialized acceleration algorithms for concrete research directions to enable task-specific applications. In addition, we also welcome all emerging research efforts, new solutions to existing problems, and even new problems. Research areas may include (but are not limited to) the following:

- Three-dimensional computer vision;
- Applications of computer vision and vision for X;
- Biomedical image analysis;
- Computational photography, sensing, and display;
- Deep learning for computer vision;
- Document image analysis;
- Faces and gestures; Poses and actions;
- Generative models for computer vision;
- Low-level vision and image processing;
- Motion and tracking;
- Physics-based vision and shape from X;
- Recognition, including feature detection, indexing, matching, and shape representation;
- RGBD and depth image processing;
- Scene analysis and understanding;
- Robot vision; Segmentation and grouping;
- Video analysis and event recognition;
- Video processing and communication;
- Efficient training and inference methods for networks.

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Special Issue

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Message from the Editor-in-Chief

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