

Special Issue

Deep Learning in Computer Vision and Image Processing

Message from the Guest Editors

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.

Guest Editors

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Deadline for manuscript submissions

closed (15 February 2024)



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About the Journal

Message from the Editor-in-Chief

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 guest-edited by leading experts in selected topics of interest.

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the first half of 2025).