Special Issue

Image Processing Based on Convolution Neural Network

Message from the Guest Editors

This Special Issue aims to provide a platform for researchers to present innovative and effective image processing technologies based on CNNs. This includes addressing the following specific topics:

- Advancements in CNN-based image processing techniques;
- Integration of CNNs with other AI techniques for image processing;
- CNN architecture optimization for image processing;
- Mathematical models for CNN-based image processing;
- Security and privacy in image processing;
- Resource allocation optimization for CNNs in image processing tasks;
- Modeling, analysis, and measurement of computational and requirements for CNN-based image processing;
- Interpretable image processing with CNNs.

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Deadline for manuscript submissions

closed (8 January 2025)

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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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