Special Issue

Deep Learning in Environmental, Electrical, and Biomedical Engineering: Recent Advances and Future Trends

Message from the Guest Editors

Deep-learning methods have demonstrated superior performance in a variety of tasks, including natural language processing, medical imaging, computer vision, and others. However, the most successful applications of deep-learning approaches are within the scope of computer science and related engineering fields. The utilization of deep learning for solving environmental, electrical, and biomedical engineering problems is still limited in relation to the demand. Here, we would like to invite researchers and experts from all over the globe to submit high-quality, original research papers and critical survey articles. The topics of interest include, but are not limited to:

- Deep-learning theory and architecture;
- Deep learning in engineering geology or geohazard risk analysis;
- Deep learning in energy systems, renewable energy, and related sectors;
- Deep learning in medical imaging or related fields;
- Object detection, classification, and segmentation;
- Deep generative models;
- Interpretation & visualization of deep-learning algorithms;
- Natural language processing;
- Deep reinforcement learning.

Guest Editors

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Dr. Tinghui Ouyang

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Deadline for manuscript submissions

closed (31 December 2022)

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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.

Editor-in-Chief

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