Special Issue

Deep Learning Techniques Addressing Data Scarcity

Message from the Guest Editors

This Special Issue aims to present novel works proposing new tools and techniques to deal with data scarcity in several research areas, including different transfer learning types, physics-informed neural networks, generative adversarial networks, deep synthetic minority oversampling techniques, and model complexity. High-quality reviews and survey papers are welcome. Papers may focus on, but are limited to, the following areas:

- Deep learning;
- Data scarcity;
- Machine learning;
- Convolutional neural network (CNN);
- Deep neural network architectures;
- Lack of training data;
- Small datasets;
- Transfer learning;
- Physics-informed neural network;
- Generative adversarial networks;
- Deep synthetic minority oversampling technique;
- Model complexity;
- Deep learning applications;
- Image classification;
- Image segmentation;
- Image registration;
- Supervised learning;
- Unsupervised learning;
- Hardware solutions;
- Overfitting;
- Imbalanced data.

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Deadline for manuscript submissions

closed (31 October 2024)



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About the Journal

Message from the Editor-in-Chief

Future Internet is a fast-growing journal devoted to rapid publications of the latest results in the general areas of computer networking/communications and information systems, with a focus on the Internet of Things, big data and augmented intelligence, smart systems (in terms of technologies, architectures, and applications), network virtualization, edge/fog computing, and cybersecurity. Both theoretical and experimental papers are welcome. Every year, *Future Internet* also features Special Issues dedicated to specific topics within the journal's scope.

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