Special Issue

AI, Machine Learning and Deep Learning in Signal Processing, 2nd Edition

Message from the Guest Editors

Recently, the entire field of signal processing has been facing new challenges and paradigm shifts due to the dramatic improvement of computational performance in hardware and an exponential increase in devices interconnected via the Internet. As a consequence, the tremendous data volume generated by such applications have to be analyzed and processed to provide useful, reliable and meaningful information. Artificial intelligence (AI), and in particular machine (deep) learning, provides novel tools to be exploited in the field of signal processing. Consequently, new approaches, methods, theories, and tools have to be developed by the signal processing community to analyze and account for generated data volumes. The Special Issue aims at attracting manuscripts presenting novel methods and innovative applications of AI and machine learning (including deep learning) on topics in the signal processing area. Such topics include (but are not limited to) multimedia systems, audio and video processing, and augmented and virtual reality.

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Deadline for manuscript submissions

closed (25 March 2025)

About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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