Special Issue

Machine Learning for Signal Analysis

Message from the Guest Editors

Machine learning, in combination with signal processing, provides powerful solutions to many real-world technical and scientific challenges. Increasingly, the boundaries between the two have been blurred, such that machine learning methods are used to solve problems that were once solved using traditional signal processing methods, and signal processing methods are often used to develop or enhance new machine learning methods. This Special Issue will present the most recent and exciting advances in machine learning for signal processing. Prospective authors are invited to submit papers on relevant algorithms and applications, including, but not limited to, the following:

- Neural networks and deep learning;
- Machine learning for big data;
- Speech and audio processing applications;
- Image and video processing applications;
- Biomedical applications and neural engineering;
- Bioinformatics applications;
- Signal processing and machine learning for sensor networks;
- Continuous learning for signal analysis;
- Graphical and kernel models;
- Source separation and independent component analysis;
- Signal detection and pattern recognition as well as classification;
- .....

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Our primary goal is to encourage scientists and engineers to publish their theoretical results and developed methods in as much detail as possible. There is no limit to the maximum length of papers. Whenever possible, authors are encouraged to provide relevant data and developed code so that the results can be reproduced. Our goal is to provide a platform for scientists and engineers to share new approaches to signal processing in various application domains.

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