Special Issue

Machine Learning Applied to Music/Audio Signal Processing

Message from the Guest Editors

The main aim of this Special Issue is to seek high-quality submissions that present novel data-driven methods for audio/music signal processing and analysis and address main challenges of applying machine learning to audio signals. Within the general area of audio and music information retrieval as well as audio and music processing, the topics of interest include, but are not limited to the following:

- unsupervised and semi-supervised systems for audio/music processing and analysis
- machine learning methods for raw audio signal analysis and transformation
- approaches to understanding and controlling the behavior of audio processing systems such as visualization, auralization, or regularization methods
- generative systems for sound synthesis and transformation
- adversarial attacks and the identification of 'deepfakes' in audio and music
- audio and music style transfer methods
- audio recording and music production parameter estimation
- data collection methods, active learning, and interactive machine learning for data-driven approaches

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2021)

Electronics

an Open Access Journal by MDPI

Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/51394

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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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