Special Issue

Applications of Multichannel Signal Processing and Multichannel Machine Learning

Message from the Guest Editors

Multichannel signal processing involves sampling, manipulation, interpretation, and analysis of data from multiple sensors or channels, enabling the extraction of hidden information from various transformation domains. This field plays a critical role in diverse applications such as radar/sonar detections, audio processing, remote sensing, wireless communications, biomedical engineering, and environmental monitoring. With the recent advancements in artificial intelligence, the integration of multichannel signal processing with machine learning techniques has created new frontier to address challenges in fusing the expert knowledge and machine-learned knowledge. This Special Issue aims to showcase cutting-edge research on the topics of multichannel signal processing and machine learning. We call for novel research studies on multichannel signal processing theories, algorithms, and applications including, but not limited, to the following: radar/sonar detection, audio/speech processing, sensor networks, communications, biomedical processing, internet of things, etc. We look forward to your submissions.

Guest Editors

Prof. Dr. Yue Ivan Wu

College of Electronics and Information Engineering, Sichuan University, Chengdu 610065, China

Dr. Fan Pan

College of Electronics and Information Engineering, Sichuan University, Chengdu 610065, China

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

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