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Recent Advances in Sensing Technology for Signal Acquisition and Processing

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Deadline for manuscript submissions:
closed (31 August 2024)

Message from the Guest Editors

Dear Colleagues,

Sensor technology is changing the way we collect and analyze data in various fields, such as healthcare, smart cities, precision agriculture, and industrial automation. However, the large amounts of data generated by these sensors present significant challenges regarding signal acquisition, processing, and interpretation. Sensor signal and information processing is an interdisciplinary field focused on developing advanced signal processing algorithms to effectively analyze and interpret sensor data. This Special Issue aims to showcase the latest developments in sensor technology for signal acquisition and processing in the context of sensor signal and information processing. It covers a wide range of topics, including acoustic signal processing, pattern recognition, multimodal sensor fusion, compressed sensing, and deep learning. We welcome original research articles, reviews, and perspectives that discuss the latest advances in sensor technology and its applications in sensor signal and information processing, with the aim of providing a platform for researchers and practitioners to exchange ideas, discuss emerging trends, and explore future research directions.



mdpi.com/si/172623

Special Issue



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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