# **Special Issue**

# Recent Applications of MEMS in Signal Processing

## Message from the Guest Editors

Micro electro-mechanical systems (MEMSs) are renowned for their compactness, energy efficiency, and affordability-attributes that have catalyzed their widespread adoption across both the military and civilian domains. Encompassing a spectrum of applications from aerospace and navigation to biomedical and smart wearable technologies, micro electro-mechanical systems are omnipresent, heralding their role as a pivotal catalyst in the unfolding narrative of the Fourth Industrial Revolution. The signal processing chain in a MEMS includes the conversion of external physical signals to electrical signals and the correct selection and processing of electrical signals. Therefore, the signal detection principle of MEMS devices, how they are packed, and the design of interface circuits will affect the quality of signal processing. This Special Issue aims to bring together academic and industrial researchers to identify and discuss the technical challenges of, complex aspects inherent in, and new results related to the design and performance of MEMS signal processing. Both theoretical contributions and practical contributions are encouraged.

## **Guest Editors**

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## Deadline for manuscript submissions

closed (15 June 2025)



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#### Editor-in-Chief

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