

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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About the Journal

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.

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