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Advanced Technology in Acoustic Signal Processing

Guest Editor:

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Deadline for manuscript submissions:

closed (31 March 2024)

Message from the Guest Editor

Dear Colleagues,

Recent technological advancements in the field of audio transducers, along with the evolution of computational acoustics, are giving rise to a variety of acoustic signal processing applications that would have been unthinkable until a few years ago.

In addition to the undeniable advantages, small-size acoustic devices are often characterized by some non-ideal qualities.

Application scenarios of modern acoustic signal processing include underwater acoustic engineering, multi-analyte detection, assisted diagnosis, touch sensing, chemical and biochemical sensing, sensing of the level and composition of liquids, temperature sensing, stress and torque sensing, automotive mobiles, infotainment applications, teleconferencing applications, and wireless remotes.

This Special Issue aims to bring together the research on acoustic signal processing methods for single transducers or arrays of transducers and thereby address the wide range of applications of sound signal sensors. Both review articles and original research papers related to acoustic signal processing are welcome.



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Special Issue



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Message from the Editor-in-Chief

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