

Special Issue

Ultrasonic Pattern Recognition by Machine Learning

Message from the Guest Editors

Pattern recognition is being increasingly applied to many research fields where there is a need to simplify highly complex models into reference patterns that solve, in many cases, problems that occur in engineering processes, computing, mathematics and medicine, among others. Ultrasonic technologies, being a non-intrusive technology for object detection and distance measurement, have a wide range of applications, ranging from medical imaging and robotic navigation systems to structural health monitoring systems, to name a few. Pattern recognition, machine learning and ultrasonic waves form a trinomial of success, reflected in the existing literature and increasing number of applications. The purpose of this Special Issue is to publish high-quality articles that contribute to pattern recognition through binomial ultrasonic waves and machine learning, with application in any area of research. New models with deep learning, as well as the implementation of new advances in ultrasonic wave collection, will be accepted in this Issue. Similarly, in this Issue, we will include reviews of the latest advances in ultrasonic wave pattern recognition by machine learning.

Guest Editors

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Deadline for manuscript submissions

closed (22 May 2023)



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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 guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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