

Special Issue

Advanced Signal and Image Processing for Applied Engineering

Message from the Guest Editor

The rapid advancements in signal and image processing techniques are driving innovation across diverse engineering fields. These technologies enable the extraction of meaningful information from complex datasets, offering transformative solutions for challenges in sectors such as healthcare, communication, manufacturing, automotive, and energy systems. This Special Issue will focus on the development and application of cutting-edge signal and image processing methods tailored to real-world engineering problems. It will gather contributions that demonstrate novel algorithmic approaches and computational frameworks, as well as their integration into applied systems, highlighting both theoretical advancements and practical implementations, including more recent artificial intelligence-based approaches.

- signal processing
- image processing
- algorithmic approaches
- computational frameworks
- healthcare
- communication
- manufacturing
- automotive
- energy systems
- biomedical image processing
- machine learning
- computer-aided diagnosis
- pattern recognition

Guest Editor

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Deadline for manuscript submissions

20 April 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/225687

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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