

Special Issue

Integration of AI in Signal and Image Processing

Message from the Guest Editors

The Special Issue titled “Integration of AI in Signal and Image Processing” delves into the cutting-edge methodologies and innovative applications that are reshaping the landscape of signal and image processing. Key themes explored in this Special Issue include the following: 1. Enhanced algorithms: This Special Issue highlights novel algorithms designed to improve the accuracy and efficiency of signal and image processing tasks. 2. Machine learning and AI integration: The integration of machine learning and artificial intelligence (AI) has revolutionized signal and image processing. 3. Medical imaging: One of the standout applications discussed is in the field of medical imaging. 4. Real-time processing: The demand for real-time processing capabilities is ever-increasing. 5. Multidimensional signal processing: Expanding beyond traditional 2D images, this Special Issue examines processing techniques for multidimensional data, including 3D and even higher-dimensional data sets. 6. Emerging applications: This Special Issue also looks at emerging applications of signal and image processing in fields such as remote sensing, environmental monitoring, and multimedia.

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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.

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