Special Issue

Application of Neural Networks in Sensors and Microwave Antennas

Message from the Guest Editors

Over the last few years, neural network applications have thrived in almost every domain of modern science and technology. For this Special Issue, we invite submissions exploring recent advances in the application of neural networks in sensors and microwave antennas. Topics of interest for this Special Issue include, but are not limited to, the following:

- Sensor data processing;
- Implementation of neural networks in sensor devices;
- Machine-learning-based sensor calibration;
- Artificial-intelligence-driven antenna design and optimization;
- Neural-network-based smart antenna arrays;
- Application of neural networks in MIMO antenna systems.

Works that validate the proposed methods at the experimental level will be especially welcome.

Guest Editors

Dr. Marcin Kolakowski

Dr. Paolo Tripicchio

Dr. Ljubomir Jovanov

Deadline for manuscript submissions

closed (30 July 2025)

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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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