

Special Issue

Adaptive Filters in Signal Processing for IoT-Enabled Sensing Systems

Message from the Guest Editor

This Special Issue seeks to highlight innovative research and developments in adaptive filtering techniques and their integration with IoT-enabled sensing systems. Topics of interest include but are not limited to the following:

- Adaptive filtering algorithms and their applications in IoT systems;
- Machine learning integration with adaptive signal processing for enhanced performance;
- Real-time adaptive filtering in IoT devices and networks;
- Noise cancellation and signal separation in IoT-enabled sensing systems;
- Biomedical signal processing using adaptive filters in IoT healthcare applications;
- Industrial IoT and adaptive filtering for process monitoring and control;
- Environmental monitoring with adaptive signal processing in IoT networks;
- Smart cities and adaptive filtering for efficient data processing;
- Federated learning and adaptive filtering integration for privacy and scalability in IoT systems;
- Adaptive antenna technologies for IoT connectivity and interference management;
- Matérn kernel adaptive filtering for efficient data processing in IoT systems;
- Smart sensor integration in structural health monitoring and IoT-enabled safety systems.

Guest Editor

Prof. Dr. Ying-Ren Chien

Department of Electronic Engineering, National Taipei University of Technology, 1, Sec. 3, Zhongxiao E. Rd., Taipei 10608, Taiwan

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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