

## Special Issue

# Digital Signal Processing, Computational Methods and Sensor Networks for Engineering Application

### Message from the Guest Editors

Micro-electro-mechanical systems (MEMS) technology has undergone tremendous evolution in recent decades. Mobile sensor networks are capable of joining different data coming from different sources in order to gather a more complete understanding of a diagnostic context; therefore, such sensors networks provide advanced monitoring solutions. Data for such computation are usually fuzzy, and, using artificial intelligence and numerical methods, it is possible to solve many problems.

The scope of this Special Issue is focused on digital signal processing and sensor networks as well as engineering applications in all kinds of applied scientific and practical problems, such as in signal processing, engineering, physics, biology, economics, etc. The aim is to present different types of applications of soft computations, mathematical modeling and digital signal processing.

**Keywords:** sensor networks, mobile sensor networks, digital signal processing in sensor networks, digital signal processing, mathematical modeling, optimization problems, numerical methods, inverse problems, heuristic algorithms, artificial intelligence, fuzzy logic

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### Guest Editors

Dr. Giacomo Capizzi  
Dr. Grazia Lo Sciuto  
Dr. Luca Di Nunzio

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### Deadline for manuscript submissions

closed (30 November 2023)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

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*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.

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### 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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