

Special Issue

Machine Learning and AI for Medical Data Analysis

Message from the Guest Editors

The Special Issue aims to gather recent research focusing on AI and ML methodologies specialized in medical data. Of particular interest are submissions regarding attempts to solve issues surrounding the scarcity and imbalance of medical data (including, but not limited to, data-efficient domain adaption, transfer learning, synthetic data generation, and data augmentation). However, contributions concerning image/signal/natural language processing in medical data are also welcomed.

- ML and AI for biomedical applications
- Biomedical image/signal processing
- Biomedical image reconstruction
- Sensing, detection and recognition in biomedical signals
- Medical data acquisition, cleaning and integration using AI methodologies
- Data-efficient domain adaptation and transfer learning
- Synthetic data generation and data augmentation for biomedical applications
- Natural language processing and knowledge discovery in medical documents
- Drug effect/side effect prediction using AI or knowledge engineering
- Automated/computer-aided diagnosis using artificial intelligence or knowledge engineering

Guest Editors

Prof. Dr. Sang-Woong Lee

Dr. O-Joun Lee

Dr. Muhammad Adnan Khan

Dr. Ngoc Dung Bui

Deadline for manuscript submissions

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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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