Special Issue

New Applications of Deep Learning in Health Monitoring Systems

Message from the Guest Editor

With a massive influx of multimodality data, data analytics play an increasingly important role in health informatics in the last decade. This also prompts rapidly growing research in the analytical method and data-driven models based on machine learning in health informatics. Deep learning, a technique with its foundation in artificial neural networks, is emerging in recent years as a powerful tool for machine learning. Considering the capability of addressing large-scale data and learning multi-scale/multi-level/hierarchical representation, deep learning can be a powerful and effective solution for health monitoring systems. Therefore, this Special Issue aims to present researchers and engineers with a global view of this hot and active topic on novel deep learning-based health monitoring system applications. Subjects that will be discussed in this Special Issue will focus not only on modern methods and data-driven approaches based on deep learning, but also on the applications and their properties in health monitoring systems.

Guest Editor

Dr. Lei Zhang

Department of Precision Instrument Engineering, Tianjin University, Tianjin 300072, China

Deadline for manuscript submissions

closed (30 December 2024)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/122753

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)