Special Issue

Deep Learning-Based Soft Sensors

Message from the Guest Editors

Contributes are invited on the following topics: -Data-driven methods for Soft Sensor (SS) design;
  -Deep belief networks for SS design;
  -Autoencoders for SS design;
  -Long- and short-term memory networks for SS design;
  -Convolution neural networks for SS design;
  -Ensemble methods;
  -Model structure selection;
  -Small and large dataset;
  -Semisupervised learning;
  -Model validation;
  -Hyperparameters design;
  -Learning methods;
  -Computational complexity;
  -Feature selection in SS design;
  -Soft Sensors (SSs) for industrial applications;
  -SSs for inferential control;
  -SSs for monitoring and fault detection.
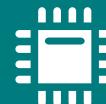
Guest Editors

Prof. Dr. Salvatore Graziani

Department of Electrical, Electronics and Computer Engineering (DIEEI), University of Catania, Viale Andrea Doria 6, 95125 Catania, Italy

Prof. Dr. Maria Gabriella Xibilia

Department of Engineering, University of Messina, 98166 Messina, Italy

Deadline for manuscript submissions

closed (30 June 2020)

Sensors

mdpi.com/si/24872

mdpi.com/journal/
sensors

Sensors

mdpi.com/journal/
sensors

About the Journal

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

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), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:
JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)