Special Issue

IoT, Robots, and Generative Al in Clinical Engineering: Developments and Applications

Message from the Guest Editor

By covering a wide range of topics, including theoretical advancements, practical applications, case studies, and ethical considerations, this Special Issue aims to provide an in-depth exploration of how these cutting-edge technologies are being implemented in clinical settings and their broader implications for the field, offering a comprehensive overview of the current state and future potential in clinical engineering, ultimately aiming to advance healthcare innovation. Keywords

- IoT
- robotics
- generative AI
- natural language processing
- artificial intelligence
- clinical engineering
- health technology management
- health technology assessment
- decision support
- biomedical engineering

Guest Editor

Dr. Alessio Luschi

Department of Medical Biotechnologies, University of Siena, 53100 Siena, Italy

Deadline for manuscript submissions

closed (20 September 2025)



Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



mdpi.com/si/214490

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

mdpi.com/journal/applsci





Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



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)

