

Special Issue

Cobots to Chatbots: Intelligent Bots in Healthcare Transformation

Message from the Guest Editors

“Intelligent Bots” are both physical and virtual, and range across a diversity of manifestations such as robotic surgery, mobile robot, service robots, and collaborative robots (cobots) in the physical domain, and conversational agents (chatbots), process automation bots, and personal smartphone assistants in the virtual domain. However, there are critical gaps and numerous challenges to be addressed. It is imperative that original research is undertaken to address these challenges in response to the expanding need for intelligent bots in healthcare transformation. This Special Issue invites original research articles on the design, development, evaluation and deployment of intelligent bots, both virtual and physical, in healthcare transformation. This Special Issue will focus on (but not be limited to) the following topics:

- Innovative practices of intelligent bots in healthcare transformation;
- Sensors and vision of intelligent bots in healthcare transformation;
- Applications and empirical studies of intelligent bots in healthcare;
- Formal methods for intelligent bot design and development;

Guest Editors

Prof. Dr. Daswin De Silva

Centre for Data Analytics and Cognition, La Trobe University, Bundoora, VIC 3086, Australia

Dr. Tamra Ranasinghe

Department of Neurology, Wake Forest School of Medicine, Atrium Health Wake Forest Baptist, Medical Center Boulevard, Winston-Salem, NC 27106, USA

Deadline for manuscript submissions

closed (30 June 2023)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/151721

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

mdpi.com/journal/sensors





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



[mdpi.com/journal/
sensors](https://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)