



Human Centered Artificial Intelligence: Putting the Human in the Loop for Implementing Sensors Based Intelligent Environments

Guest Editors:

**Prof. Dr. Constantine
Stephanidis**

1. Foundation for Research and
Technology Hellas (FORTH),
Institute of Computer Science
(ICS), Human Computer
Interaction Laboratory (HCI Lab),
GR-70013 Heraklion, Greece
2. Department of Computer
Science, University of Crete, GR-
70013 Heraklion, Greece

cs@ics.forth.gr

Dr. George Margetis

Foundation for Research and
Technology Hellas (FORTH),
Institute of Computer Science
(ICS), Human Computer
Interaction Laboratory (HCI Lab),
Heraklion, GR-70013 Crete,
Greece

gmarget@ics.forth.gr

Deadline for manuscript
submissions:

31 December 2021



mdpi.com/si/71765

Message from the Guest Editors

This Special Issue aims to solicit original and high quality research articles that consider the current evolvement of AI approaches under a human-centric approach in the development of intelligent environments. Authors of such submissions will be required to provide a clear indication of the new contributions and explain how this work extends the previously published contributions.

Topics may include, but are not limited to, the following:

- Active machine learning
- Adaptive personal AI systems
- Explainable, accountable, transparent, and fair AI
- Explanatory user interfaces and HCI for explainable AI
- Federated learning and cooperative intelligent information systems and tools
- Gradient-based interpretability
- Interaction modalities and devices: visual, 2D/3D, augmented reality, simulations, digital twin, conversational interfaces, and multimodal interfaces
- Interactive machine learning
- Interpretability in reinforcement learning
- Human–AI interactions and intelligent user interfaces
- Usability of human–AI interfaces



sensors



an Open Access Journal by MDPI

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

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.

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](#), [Embase](#), [Ei Compendex](#), [Inspec](#), and many other databases.

Journal Rank: [JCR - Q1](#) (*Instruments & Instrumentation*) / [CiteScore - Q1](#) (*Instrumentation*)

Contact Us

Sensors
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

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