

Special Issue

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

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

Guest Editors

Prof. Dr. Constantine Stephanidis

1. Foundation for Research and Technology–Hellas (FORTH), Institute of Computer Science, 70013 Heraklion, Greece

2. Department of Computer Science, University of Crete, 70013 Heraklion, Greece

Dr. George Margetis

Institute of Computer Science, Foundation for Research and Technology–Hellas (FORTH), 70013 Heraklion, Greece

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

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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

Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

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