

Special Issue

Human-Centered Artificial Intelligence

Message from the Guest Editor

Human-centered artificial intelligence (HCAI) is an emerging discipline that places people at the center of efforts to develop AI-based systems. Its broad scope encompasses the design of new learning algorithms through to evaluating existing systems, with particular attention to the human factors involved in their development. This line of research promotes the development of algorithms, methods, metrics, and new methodologies for designing AI systems which prevent the reproduction of disparities that affect people, mitigating bias and discriminatory treatment. This Special Issue is devoted to HCAI methods. Our aim is to disseminate the most recent advances in this discipline, promoting new methodologies to approach the human-centered design and evaluation of AI systems. The collection will include topics on new algorithms and models capable of mitigating harmful bias, model evaluation and validation methodologies, fairness evaluation metrics and systems, human-centered AI and human-computer interaction (HCI), ethics and AI, algorithmic transparency, explainability, and model interpretability.

Guest Editor

Dr. Marcelo Mendoza

Department of Computer Science, Pontificia Universidad Católica de Chile, Santiago 8320000, Chile

Deadline for manuscript submissions

closed (31 December 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/151763

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

mdpi.com/journal/

[appls-ci](https://appls-ci.mdpi.com)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



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)