



Selected Papers from the 2024 AHFE International Conference on Human Factors in Design, Engineering, and Computing (AHFE 2024 Hawaii Edition)

Guest Editors:

Dr. Tareq Ahram

College of Engineering and
Computer, University of Central
Florida, Orlando, FL 32816, USA

Prof. Dr. Waldemar Karwowski

Institute for Advanced Systems
Engineering, University of Central
Florida, Orlando, FL 32816, USA

Deadline for manuscript
submissions:

30 September 2025

Message from the Guest Editors

The 2024 AHFE International Conference on Human Factors in Design, Engineering, and Computing (AHFE 2024 Hawaii Edition) is an international forum for the dissemination and exchange of scientific information on theoretical, generic, and applied areas of human factors and ergonomics. This will be accomplished through the following six modes of communication: keynote presentation, parallel sessions, demonstration and poster sessions, tutorials, exhibitions, and meetings of special interest groups.

Suitable topics for this Special Issue include, but are not limited to, the following:

- Human-centered Design;
- Computation and Intelligent Design;
- Augmented, Virtual and Mixed Reality Simulation;
- Wearable Technologies, Social and Affective Computing;
- Human–computer Interaction;
- Training and Learning Sciences;
- Applications of Technologies in Healthcare and Medicine;
- Human Technology and Future of Work;
- Emerging Technologies and Business Applications;
- Artificial Intelligence and Social Computing;
- Application of Emerging Technologies;
- Applications for Interservice and Industry.





an Open Access Journal by MDPI

Editor-in-Chief

**Prof. Dr. Antonio J. Marques
Cardoso**

CISE - Electromechatronic
Systems Research Centre,
University of Beira Interior,
Calçada Fonte do Lameiro, P-
6201-001 Covilhã, Portugal

Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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)*, *Inspec*, and other databases.

Journal Rank: JCR - Q2 (Engineering, Mechanical) / CiteScore - Q1 (Control and Optimization)

Contact Us

Machines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/machines
machines@mdpi.com
[X@Machines_MDPI](https://www.x.com/Machines_MDPI)