

## Special Issue

# Human-Centred Design in Ergonomics

### Message from the Guest Editor

Since its origins, ergonomics has focused on optimizing the interaction between humans and systems to improve safety, comfort, and performance. This Special Issue aims to collect innovative research, methodologies, and applications that advance the understanding and implementation of HCD in modern ergonomics. Contributions are welcome from academia and industry, addressing both theoretical insights and practical solutions that promote usability, accessibility, safety, and sustainability in products, workplaces, and environments.

Topics of interest include (but are not limited to) the following:

- Human-centred and participatory design methods;
- Digital Twins for ergonomic analysis and design optimization;
- AI-driven human–system interaction and adaptive interfaces;
- Cognitive, emotional, and safety ergonomics;
- Inclusive and accessible design;
- Human–robot collaboration and Industry 5.0 applications.

We invite researchers and practitioners to contribute to shaping the next generation of safe, human-centred, AI-supported ergonomic systems.

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### Guest Editor

Dr. Rosaria Califano

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### Deadline for manuscript submissions

30 June 2026



## Applied Sciences

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## 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.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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