



## Advanced Technologies for User-Centered Design and User Experience

Guest Editors:

**Dr. Ilsun Rhiu**

Division of Future Convergence  
(HCI Science Major), Dongduk  
Women's University, Seoul 02748,  
Republic of Korea

**Prof. Dr. Myung Hwan Yun**

Department of Industrial  
Engineering, Seoul National  
University, Seoul 08826, Republic  
of Korea

Deadline for manuscript  
submissions:

**closed (20 October 2024)**

### Message from the Guest Editors

With recent technological advances, high-tech-based products that work with users through various methods such as tactile interfaces, gesture recognition, voice command and motion detection are increasing. It includes innovative technologies ranging from smart devices to AI speakers, virtual reality systems, and augmented reality devices, but the increase of these products has raised concerns about user inconvenience due to lack of consideration of user needs and behavior for design.

This journal covers all topics studied from the user experience (UX) and user-centric design (UCD) perspective, in the context of new high-tech products, devices and services and interactions between users.

In detail, this Special Issue includes the following research topics:

- New user-centered design methodologies;
- Design and evaluation of high-tech based products or smart products;
- New methodologies for gathering user experience data;
- New methodologies for evaluating user experience;
- User experience design for high-tech based products or smart products;
- Review articles related to UCD/UX methodologies, challenges.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## 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.

## 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)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[appls@mdpi.com](mailto:appls@mdpi.com)  
[X@Appls](https://twitter.com/appls)