

## Special Issue

# Virtual/Augmented Reality and Its Applications

### Message from the Guest Editor

Extended Reality (XR) encompasses technologies that allow humans or physical objects to interact with computer-generated virtual imagery in real-time. In Virtual Reality (VR), the user is completely immersed in a virtual environment, while Augmented Reality (AR) overlays virtual content on the real world. Mixed Reality (MR) goes beyond that and can anchor such virtual content in the real world. Past XR research applications have mainly focused on:

- Education: works regarding education, learning, training, and other related areas
- Health: works regarding medicine, physiotherapy, phobia treatments, and other related areas
- Industry: works regarding improvement in industrial production, quality of processes in manufacturing processes, and other related areas
- Games: works targeting games and entertainment related areas.

This Special Issue calls for interesting studies, applications, and experiences that will open up new uses of XR. In addition to research that has steadily improved existing issues, we welcome research papers that present new possibilities of VR, AR, and MR.

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### Guest Editor

Dr. João Marcelo Teixeira  
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### Deadline for manuscript submissions

closed (20 January 2025)



## 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

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