



Advances in Augmented Reality, Virtual Reality and Computer Graphics

Guest Editor:

Prof. Dr. Athanasios Nikolaidis

Department of Informatics,
Computer and
Telecommunications
Engineering, International
Hellenic University, Thessaloniki
Magnesias Str., 62124 Serres,
Greece

Deadline for manuscript
submissions:

closed (10 February 2022)

Message from the Guest Editor

The terms “virtual reality” (VR) and “augmented reality” (AR), as well as the recently coined “mixed reality” (MR), are collectively called “immersive experiences”. Coupled with the more conventional field of computer graphics, reflect the degree of digital content presented to users as they move from the real world towards a virtual world experience.

Originally, applications of immersive technologies were almost exclusively focused on entertainment and interactive gaming experiences. However, nowadays, research and industry are utilizing these technologies within education, health, manufacturing, telecommunications, human–machine interaction, and robotics, amongst others.

This Special Issue welcomes the submission of papers discussing key issues, new approaches, ideas, open problems, innovative applications, and trends in the following (non-exclusive) areas:

- Virtual/Augmented and mixed reality
- Computer graphics
- Human–computer interaction
- Rendering and textures
- Fluid simulation and control
- Meshes and topology
- Visual simulation and aesthetics
- Applications of VR/AR in medicine/cultural heritage/industry/education





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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)