

Special Issue

Modelling and Simulation in the Metaverse

Message from the Guest Editors

This special issue seeks to publish original research, applications, and review surveys focusing on established and emerging topics within the Metaverse umbrella. We invite submissions that include, but are not limited to, the following:

- The design and development of realistic and interactive simulations;
- The development of immersive tools and applications using eXtended Reality (XR) to create meaningful and engaging experiences;
- Creative and useful development and application of gamified and virtual environments;
- Development of Serious Games that address real-world challenges;
- Integration of IoT in simulation, e.g., to create responsive models, environments, or data-driven gameplay;
- Utilization of simulation, games, and virtual environments as playgrounds for AI training;
- State-of-the-art 3D visualization techniques, digital recreations, and the development of high-fidelity Digital Twins;
- Digital threads for modeling and simulations in real-world applications;
- Security, privacy and trust in the metaverse;
- Economic models, social and ethical implications of metaverse applications;
- Interoperability and need for standards.

Guest Editors

Dr. Georgios Pappas

Dr. Josh Siegel

Dr. Sriram Krishnan

Deadline for manuscript submissions

30 June 2025



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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
modelling@mdpi.com

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About the Journal

Message from the Editorial Board

Editors-in-Chief

Prof. Dr. Alfredo Cuzzocrea

1. DISPES Department, University of Calabria, 87036 Rende, Italy
2. Institute of High Performance Computing and Networking, Italian National Research Council, Via P. Bucci, 7/11C, 87036 Rende, Italy

Prof. Dr. Wei Gao

School of Civil and Environmental Engineering, Faculty of Engineering,
University of New South Wales, Sydney, NSW 2052, Australia

Author Benefits

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