

Exploring the Future: Metaverse and Artificial Intelligence Integration in Interior Architecture Profession

Markus Wilsing *

Faculty of Fine Arts and Design, IZMIR University of Economics, İzmir, Türkiye

Elfin Nur Taşkin

IZMIR University of Economics, İzmir, Türkiye

Ece Yalçın

IZMIR University of Economics, İzmir, Türkiye

Abstract:

This research seeks to highlight some current developments and implications in the world of Metaverse, as well as its relationship with the artificial intelligence (AI), its possible impact and implications on the interior design profession. Under these considerations, it seems that virtual and physical spaces are becoming increasingly intertwined. Therefore, the study explores how design processes are in overall transformed, perceived, and affected by them. In addition, human-AI collaboration seems to promote a new understanding of design, not only through research on immersive virtual environments in interior design, but also through the development of artificial intelligence algorithms for design decision making. In that context the research also gives a general exploration of how metaverse may improve the sustainability of interiors through user experience. Finally, the analysis draws its attention to the ethical issues that may or may not arise with the adoption of current and future AI developments. In overall, this analysis aims to explore the future of the design industry while assessing the possibilities of integrating metaverse and artificial intelligence in the field of interior design.

Keywords:

Artificial intelligence (AI), interior architecture, metaverse, design, immersive virtual spaces.