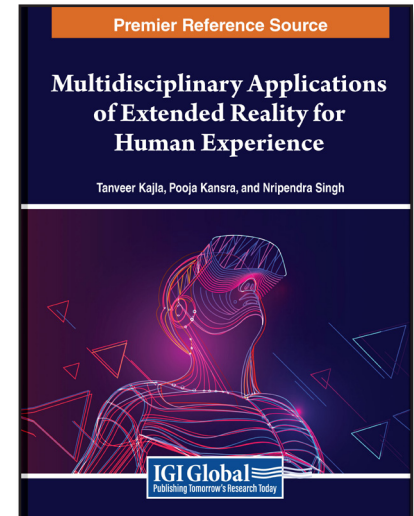# Multidisciplinary Applications of Extended Reality for Human Experience

Part of the Advances in Computational Intelligence and Robotics Book Series

Tanveer Kajla (Department of Management Studies NALSAR University of Law, India), Pooja Kansra (Lovely Professional University, India) and Nripendra Singh (Pennsylvania Western University, Clarion, USA)

Description:

In today's rapidly evolving digital landscape, extended reality (XR) technologies have emerged as transformative tools that blur the boundaries between the physical and digital worlds. However, with this innovation comes a host of complex challenges. From ethical considerations in virtual reality research to legal and regulatory hurdles in extended reality, navigating this dynamic terrain requires a deep understanding of technology and human behavior. The lack of comprehensive resources that bridge these disciplines poses a significant barrier to those seeking to harness the full potential of immersive technologies.

Multidisciplinary Applications of Extended Reality for Human Experience addresses this critical gap by offering a multidisciplinary exploration of XR's impact on society. Through expert contributions from diverse fields, including psychology, sociology, design, and culture, this book provides a comprehensive understanding of how XR technologies are reshaping human perceptions and interactions. It serves as a foundational text for academics, researchers, and industry professionals seeking to navigate the complexities of immersive technologies and their profound implications for human life.

By delving into topics such as the psychological effects of immersive experiences, the design principles guiding XR content creation, and the transformative potential of these technologies in various fields, this book equips readers with the knowledge and insights needed to harness XR's full potential. Whether you are a researcher exploring the ethical dimensions of virtual reality or a technologist developing immersive applications, this book offers practical guidance and scholarly analysis to help you navigate the evolving landscape of extended reality.

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