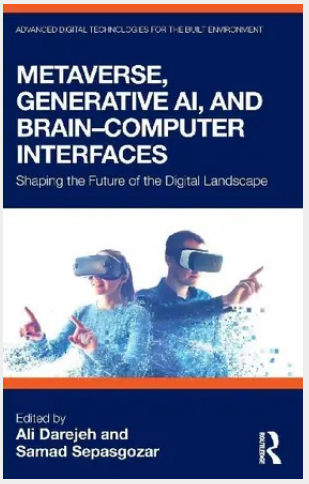
Darejeh / Sepasgozar

Metaverse, Generative AI, and Brain-Computer Interfaces

Shaping the Future of the Digital Landscape



This compelling exploration delves into the heart of cutting-edge technologies, specifically the metaverse, brain–computer interfaces (BCIs), and generative artificial intelligence (AI). The authors unravel their transformative applications in shaping the future and contemplate how the next generation of virtual environments will manifest, as well as how the digital landscape can be affected. This book encompasses various examples of the metaverse, BCIs, and generative AI across diverse fields, including education, engineering, and medical science. In the dynamic realm of the metaverse, where virtual realities converge, this book showcases how these innovations can transform the way we learn, interact, and build. Through BCIs, users can directly interface with technology using neural signals, opening up new avenues for communication and control. Additionally, generative AI algorithms empower us to create immersive virtual environments and generate content with unprecedented creativity. Whether you're a student, educator, or industry professional, this book is your ticket to understanding and harnessing the power of the future. It provides a pathway for those who believe in the limitless possibilities that the metaverse, BCIs, and generative AI can bring to our daily experiences.

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