Addressing Environmental Challenges With AI, Robotics, and Augmented Reality

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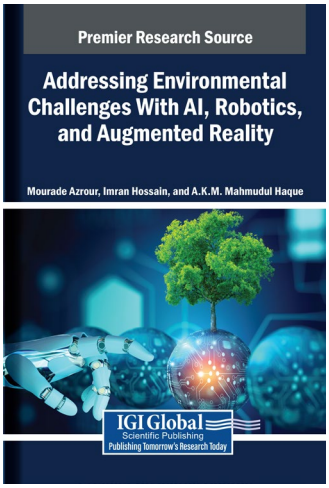

Description:

Addressing environmental challenges requires innovative, interdisciplinary solutions using technologies like artificial intelligence (AI), robotics, and augmented reality (AR). These advanced tools enhance monitoring and response to environmental changes while enabling proactive intervention strategies across ecosystems, industries, and communities. From AI-driven climate modeling and robotic reforestation to AR-enhanced environmental education and disaster response, these technologies reshape the understanding and protection of the natural world. Further research into issues like climate change, pollution, and biodiversity loss, may improve the integration of AI, robotics, and AR to offer a path toward sustainability.

Addressing Environmental Challenges With AI, Robotics, and Augmented Reality explores the transformative role of emerging technologies in advancing sustainable development. It examines how innovations such as robotics, blockchain, AI, and augmented reality shape industries, addressing environmental challenges, and contributing to the achievement of the United Nations' Sustainable Development Goals (SDGs). This book covers topics such as policymaking, smart cities, and electric vehicles, and is a useful resource for engineers, government officials, urban developers, academicians, researchers, and environmental scientists.

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Topics Covered:

- Artificial Intelligence
- Blockchain
- Disaster Management
- Electric Vehicles
- Environmental Monitoring
- Environmental Science
- Machine Learning
- Policymaking
- Pollution Monitoring
- Renewable Energy
- Robotics
- Smart Cities
- Sustainability
- Sustainable Agriculture
- Urban Infrastructure
- Virtual and Augmented Reality
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