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AI Applications

for Clean Energy and Sustainability

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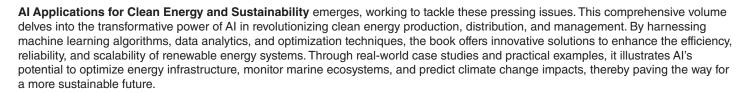
Part of the Practice, Progress, and Proficiency in Sustainability Book Series

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Description:

The global demand for clean energy solutions the urgency of addressing climate change continue to intensify, and as such, the need for innovative approaches becomes increasingly paramount. However, navigating the complex landscape of clean energy production and

sustainability presents significant challenges. Traditional methods often fall short in efficiently optimizing renewable energy systems and mitigating environmental impacts. Moreover, the integration of artificial intelligence (AI) into the energy sector remains underexplored, despite its potential to revolutionize operations and drive sustainable development.



Designed for researchers, policymakers, industry professionals, and students alike, this book serves as a roadmap towards a greener and more resilient world. By providing insights into cutting-edge AI technologies and their applications in the energy sector, the book empowers stakeholders to address the challenges of climate change and advance sustainability goals. With its interdisciplinary approach and emphasis on practical solutions, this book inspires collaboration and innovation, driving meaningful progress towards a cleaner and more sustainable energy future.

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Topics Covered:

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- Clean Energy Solutions
- Climate Change Mitigation
- Data Analytics in Energy
- Environmental Sustainability

(Research Recommended)

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- Marine Ecosystem Monitoring
- Optimization Techniques
- Renewable Energy Systems
- Sustainable Development Goals

Subject: Environment & Agriculture Classification: Edited Reference

Readership Level: Advanced-Academic Level Research Suitable for: Advanced Undergraduate

Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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