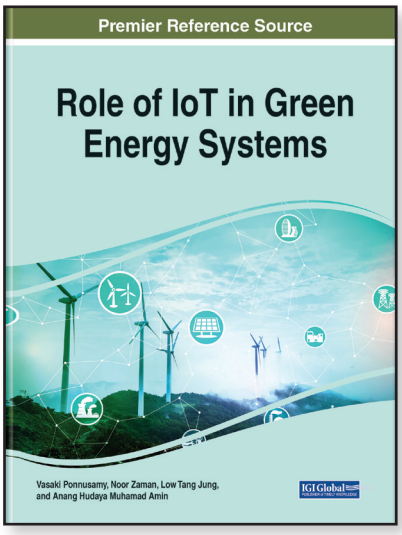
Role of IoT in Green Energy Systems



Part of the Advances in Environmental Engineering and Green Technologies Book Series

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Description:

In the era of Industry 4.0, the world is increasingly becoming smarter as everything from mobile phones to cars to TVs connects with unique addresses and communication mechanisms. However, in order to enable the smart world to be sustainable, ICT must embark into energy efficient paradigms. Green ICT is a moving factor contributing towards energy efficiency by reducing energy utilization through software or hardware procedures.

Role of IoT in Green Energy Systems presents updated research trends in green technology and the latest product and application developments towards green energy. Covering topics that include energy conservation and harvesting, renewable energy, and green and underwater internet of things, this essential reference book creates further awareness of smart energy and critically examines the contributions of ICT towards green technologies. IT specialists, researchers, academicians, and students in the area of energy harvesting and energy management, and/or those working towards green energy technologies, wireless sensor networks, and smart applications will find this monograph beneficial in their studies.

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Topics Covered:

- Blockchain Technology
- Energy Conservation
- Energy Harvesting
- Green Building Management
- Green Computational Grid
- Green Internet of Things
- Internet of Underwater Things
- Renewable Energy
- Smart Grid
- Wireless Sensor Network

Subject: Environmental, Agricultural, and Physical Sciences

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