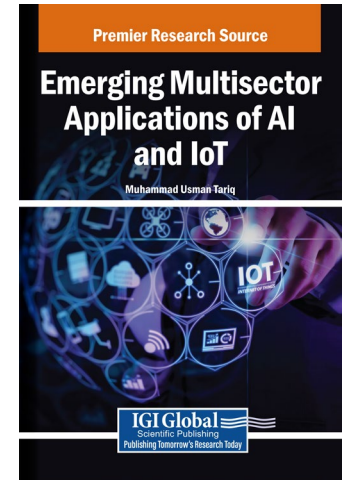


Emerging Multisector Applications of AI and IoT

Muhammad Usman Tariq (Abu Dhabi University, UAE & University College Cork, Ireland)



Description:

Artificial Intelligence (AI) and the Internet of Things (IoT) technologies are reshaping industries and driving innovation across multiple sectors, from healthcare and agriculture to manufacturing and smart cities. These technologies enable real-time data collection, intelligent decision-making, and automation, leading to increased efficiency, cost savings, and improved services. Their integration supports critical advancements such as predictive maintenance, personalized healthcare, and sustainable resource management. As AI and IoT continue to evolve, they are transforming the way society functions, fostering more connected, intelligent, and resilient systems that address pressing global challenges.

Emerging Multisector Applications of AI and IoT examines the numerous uses of AI, IoT, and ML for increasing process efficiency and sustainability across industries. Additionally, it discusses challenges and legal issues related to global governance of AI. Covering topics such as embedded systems, energy management, and authentication mechanisms, this book is an excellent resource for industrial leaders, manufacturers, healthcare practitioners, technologists, computer scientists, engineers, policymakers, regulators, professionals, researchers, scholars, academicians, and more.

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