

Novel Design and Applications of Robotics Technologies

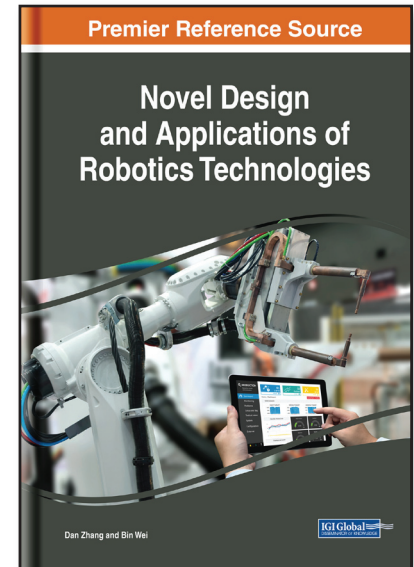
Part of the Advances in Computational Intelligence and Robotics Book Series

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Bin Wei (York University, Canada)

Description:

Through expanded intelligence, the use of robotics has fundamentally transformed a variety of fields, including manufacturing, aerospace, medical, social services, and agriculture. Providing successful techniques in robotic design allows for increased autonomous mobility, which leads to a greater productivity level.

Novel Design and Applications of Robotics Technologies provides innovative insights into the state-of-the-art technologies in the design and development of robotic technologies and their real-world applications. The content within this publication represents the work of interactive learning, microrobot swarms, and service robots. It is a vital reference source for computer engineers, robotic developers, IT professionals, academicians, and researchers seeking coverage on topics centered on the application of robotics to perform tasks in various disciplines.



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Topics Covered:

- Exoskeletons
- Internet of Things
- Kinematic Control
- Microrobot Swarms
- Multi-Agent Organizations
- Particle Swarm Optimization
- Reinforcement Learning
- Robotic Manipulators
- Service Robots
- Social Media
- Wireless Sensor Networks

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