

Advanced Robotics and Intelligent Automation in Manufacturing

Part of the Advances in Computational Intelligence and Robotics Book Series

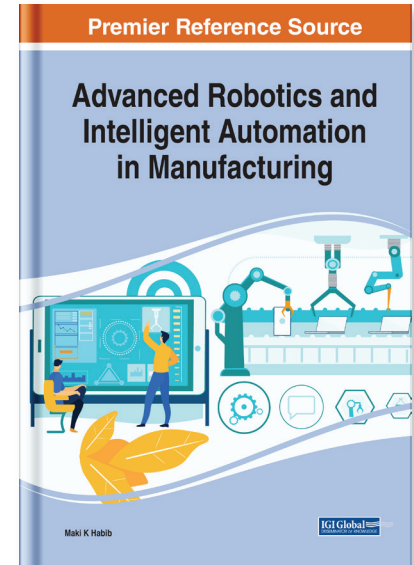
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Description:

While human capabilities can withstand broad levels of strain, they cannot hope to compete with the advanced abilities of automated technologies. Developing advanced robotic systems will provide a better, faster means to produce goods and deliver a level of seamless communication and synchronization that exceeds human skill.

Advanced Robotics and Intelligent Automation in Manufacturing

is a pivotal reference source that provides vital research on the application of advanced manufacturing technologies in regards to production speed, quality, and innovation. While highlighting topics such as human-machine interaction, quality management, and sensor integration, this publication explores state-of-the-art technologies in the field of robotics engineering as well as human-robot interaction. This book is ideally designed for researchers, students, engineers, manufacturers, managers, industry professionals, and academicians seeking to enhance their innovative design capabilities.



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Topics Covered:

- Agile Manufacturing
- Artificial Intelligence
- Flexible Systems
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- Image Processing
- Industrial Communication
- Industry 4.0
- Quality Management
- Sensor Integration
- Smart Technology

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