Robotics: Theory and Industrial Applications

Robotics: Theory and Industrial Applications is an introduction to the principles of industrial robotics, related systems, and applications. This text is a comprehensive tool in learning the technical aspects of robotics and includes coverage of power supply systems, degrees of freedom, programming methods, sensors, end effectors, implementation planning, and system maintenance. Each chapter begins with an outline of topics, learning objectives, and a listing of technical terms. The key concepts are discussed using a systems approach to enhance student learning.
The second edition is updated with full-color illustrations and photos that reflect changes in both the field of robotics and technology in general. The content has been revised to keep pace with robotic technology and reorganized to maximize student comprehension. Various features throughout the text address special interest topics, including pioneers in the field of robotics, careers in robotics, and exciting applications of robotic technology.

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