AI-Enabled Social Robotics in Human Care Services

Part of the Advances in Computational Intelligence and Robotics Book Series
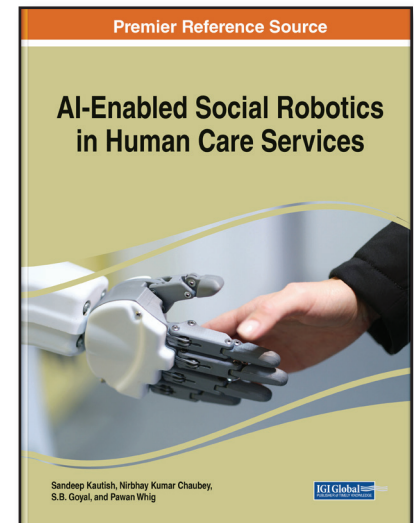
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IGI Global

Description:

As social robots and the artificial intelligence (AI) that powers them become more advanced, they will likely take on more social and work roles. There is a variety of ways social robots can be engaged in human life, and they can leave an impact in terms of ease of use, productivity, and human support. The interactivity and receptivity of social robots can encourage humans to form social relationships with them. But now robots are intended to perform socially intelligent and interactive services like reception, guidance, emotional companionship, and more, which makes social human-robot interaction essential to help improve aspects of quality of life as well as to improve the efficiency of human care services.

AI-Enabled Social Robotics in Human Care Services addresses recent advances in the latest technologies, new research results, and developments in the area of social robotics and AI and the latest developments in the field and future directions that can be beneficial to human society and human care services. Covering topics such as agriculture waste management systems, elder care, and facial emotion recognition, this premier reference source is an essential resource for AI professionals, computer scientists, robotics engineers, human care professionals, students and educators of higher education, librarians, researchers, and academicians.

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Hardcover: $270.00   **Softcover: $205.00**   **E-Book: $270.00**   **Hardcover + E-Book: $325.00**

Topics Covered:

- Agriculture Waste Management Systems
- Artificial Intelligence (AI)
- Autonomous Navigation
- Computation Psychometrics
- Deep Learning
- Elder Care
- Facial Emotion Recognition
- Fused Deposition Modelling (FDM)
- Industrial Robotics
- Machine Learning
- Spatial Research

Subject: Computer Science and IT

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners