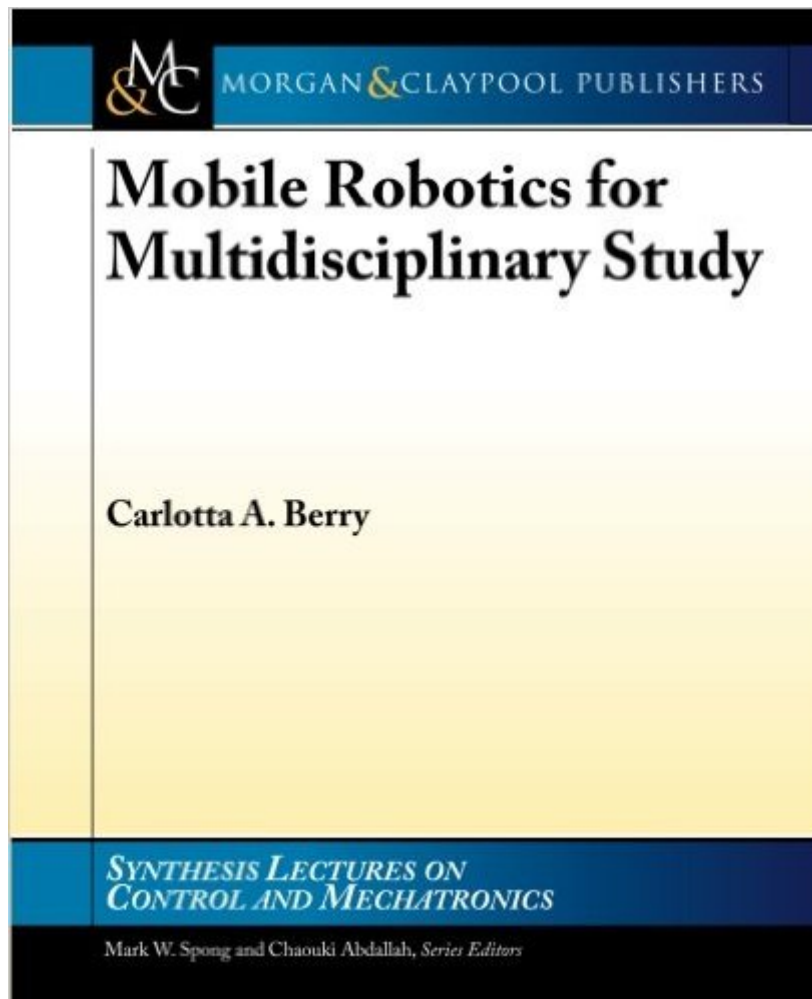


The book was found

Mobile Robotics For Multidisciplinary Study (Synthesis Lectures On Control And Mechatronics)



Synopsis

This lecture provides an introduction to the field of mobile robotics and the intersection between multiple robotics-related disciplines including electrical, mechanical, computer, software engineering and computer science. It is intended for an upper-level undergraduate or first-year graduate students interested in mobile robotics and artificial intelligence with some experience in object-oriented programming and controls. Focus areas will include robotics history, hardware, control and software. Specific topics include robot components, effectors and actuators, locomotion, kinematics, sensors, feedback control, control architectures, representation, navigation, localization and mapping. The end of each chapter includes review questions as well as exercises to provide applications for the concepts as well as opportunities for further study. Table of Contents:

Introduction / Hardware / Control / Software

Book Information

Series: Synthesis Lectures on Control and Mechatronics

Paperback: 100 pages

Publisher: Morgan & Claypool Publishers; 1 edition (April 2, 2012)

Language: English

ISBN-10: 1608457982

ISBN-13: 978-1608457984

Product Dimensions: 7.5 x 0.2 x 9.2 inches

Shipping Weight: 7.2 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #5,470,141 in Books (See Top 100 in Books) #98 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Logic #2307 in Books > Computers & Technology > Computer Science > Robotics #3724 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Robotics & Automation

[Download to continue reading...](#)

Mobile Robotics for Multidisciplinary Study (Synthesis Lectures on Control and Mechatronics)

Robotics: Everything You Need to Know About Robotics From Beginner to Expert (Robotics 101, Robotics Mastery)

Essentials of Game Theory: A Concise, Multidisciplinary Introduction (Synthesis Lectures on Artificial Intelligence and Machine Learning)

Mobile Apps Made Simple: The Ultimate Guide to Quickly Creating, Designing and Utilizing Mobile Apps for Your Business - 2nd Edition

(mobile application, ... programming, android apps, ios apps) Probabilistic Robotics (Intelligent Robotics and Autonomous Agents series) Robotics: The Beginner's Guide to Robotic Building, Technology, Mechanics, and Processes (Robotics, Mechanics, Technology, Robotic Building, Science) Robotics: Everything You Need to Know About Robotics from Beginner to Expert Robotics: Discover The Robotic Innovations Of The Future - An Introductory Guide to Robotics Mechatronics: Electronic Control Systems in Mechanical Engineering (2nd Edition) Introduction to Autonomous Mobile Robots (Intelligent Robotics and Autonomous Agents series) Invitation to Topological Robotics (Zurich Lectures in Advanced Mathematics) Mobile Design and Development: Practical concepts and techniques for creating mobile sites and web apps (Animal Guide) Mobile App Marketing And Monetization: How To Promote Mobile Apps Like A Pro: Learn to promote and monetize your Android or iPhone app. Get hundreds of thousands of downloads & grow your app business Mobile Computing Principles: Designing and Developing Mobile Applications with UML and XML Embedded Computing and Mechatronics with the PIC32 Microcontroller Designing Mobile Payment Experiences: Principles and Best Practices for Mobile Commerce Apps: Make Your First Mobile App Today- App Design, App Programming and Development for Beginners (ios, android, smartphone, tablet, apple, samsung, App ... Programming, Mobile App, Tablet App Book 1) The Bike Doctor's Mobile Bicycle Repair Manual: How to Start and Run A Mobile Bicycle Repair Shop Mechatronics for Beginners: 21 Projects for PIC Microcontrollers Mechatronics: A Foundation Course

[Dmca](#)