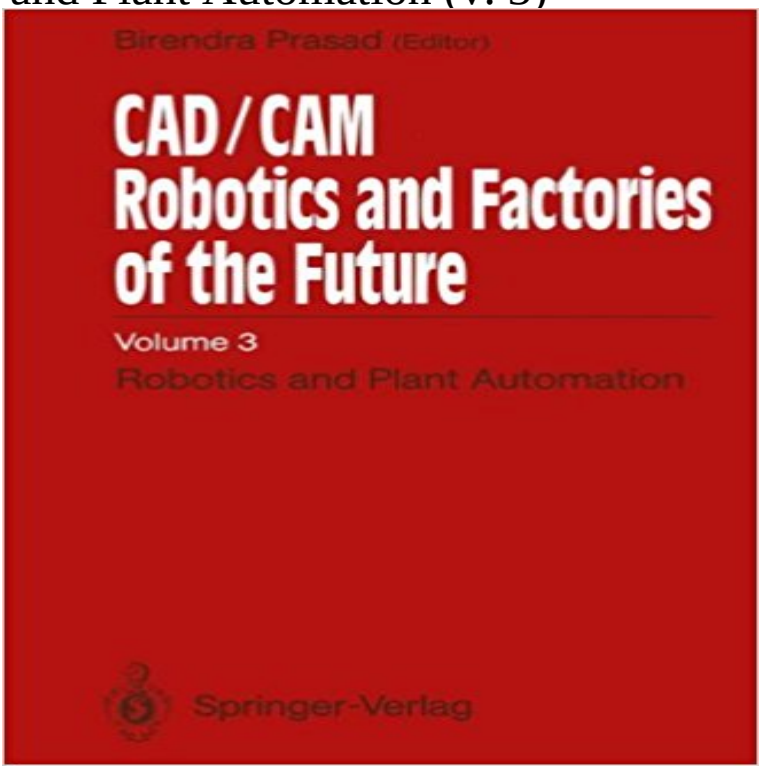
CAD/CAM Robotics and Factories of the Future: Volume III: Robotics and Plant Automation (v. 3)



The complete shop floor automation - a lights out factory, where workers initially set up all machines, turn off the lights, lock the door and the machine churns up the parts - remains an unfulfilled dream. Yet when we look at the enormity of the process of automation and integration even for the most simply conceived part factory, we can recognize that automation has been applied and is being applied, more so when it made sense from a cost/benefit standpoint. It is our nature to be dissatisfied with near term progress, but when we realize how short a time the tools to do that automation have been available, the progress is clearly noteworthy - considering the multitudes of factors and the environment we have to deal with. Most of the automa tion problems we confront in todays environment are multidisciplinary in nature. They require not just the knowledge and experience in various distinct fields but good cooperation from different disci plined organizations to adequately comprehend and solve such problems. In Volume III we have many examples that reflect the current state of the art techniques of robotics and plant automation. The papers for Volume III have been arranged in a logical order of automation planning, automated assembly, robot programming and simula tion, control, motion coordination, communication and networking to factories of the future.

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V: Object Recognition, Imaging and Sensors: Introduction. Development of 3-D Imaging Systems for Postal Automation. **CAD/CAM Robotics And Factories Of The Future: Volume III** This volume is based on the proceedings of the 28th International made in the field of robotics, CAD/CAM and the future predication of emerging factories modeling and simulation, automation, robotics and handling systems, supply chain .. ISBN 978-81-322-2740-3 Digitally watermarked, DRM-free Included format: **A Multiview Image Acquisition System for Postal Parcels - Springer CAD/CAM, Robotics and Factories of the Future - Dipak Kumar** CAD/CAM Robotics and Factories of the Future and Factories of the Future Book Subtitle: Volume III: Robotics and

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