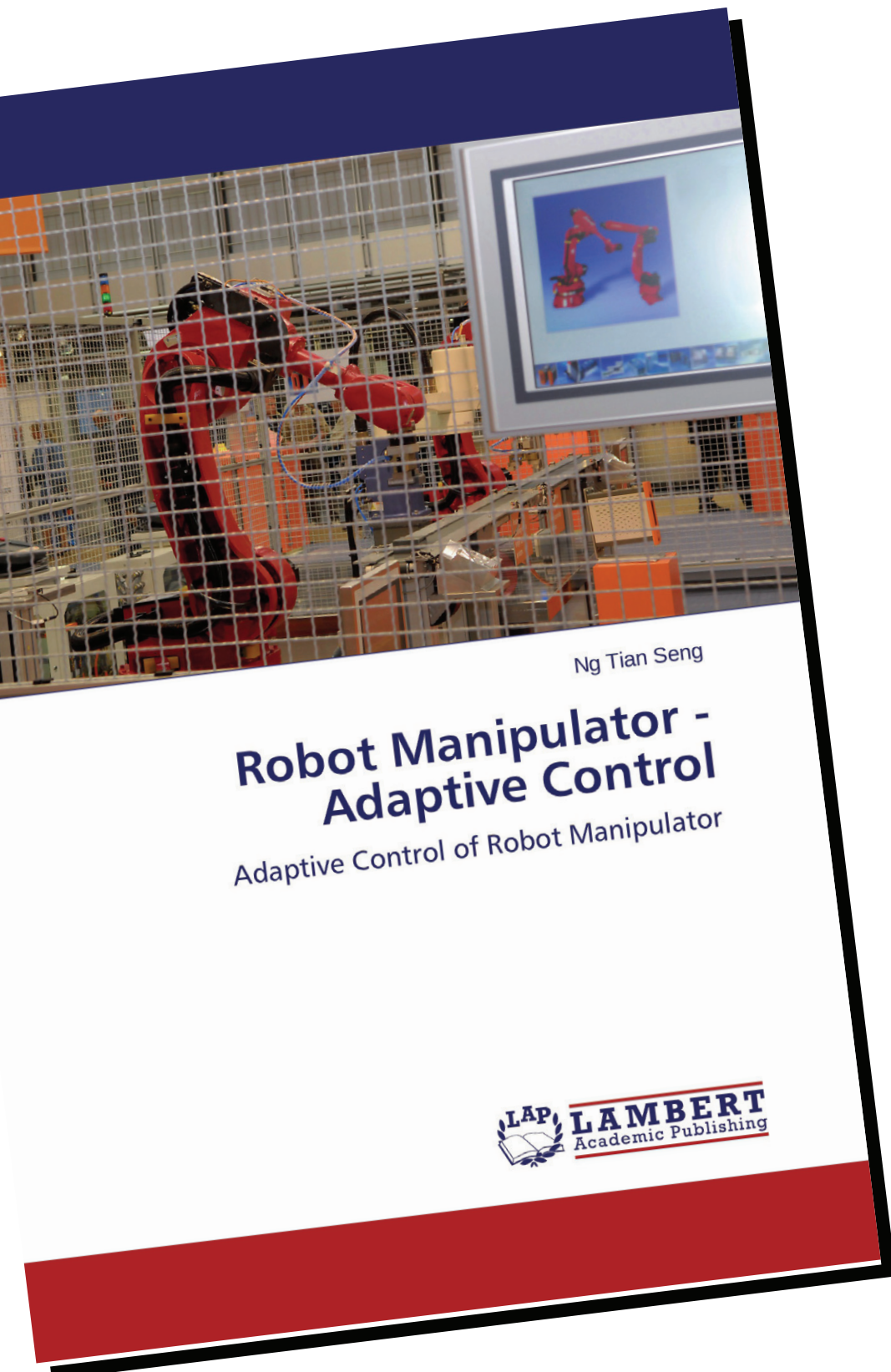


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# Robot Manipulator - Adaptive Control

Adaptive Control of Robot Manipulator  
von Ng Tian Seng

ISBN: 978-3-659-53430-0

Robots are widely implemented in modern heavy industries for the purpose of car assemblies, ship building, construction and aerospace. The technological advancement of these robots depend on research and development. This book covers many different controlling methods which is applied to the industrial robot manipulator. The most significant feature of the edition is the control of robot manipulator with unknown depth. The theoretical background for the study of the robot manipulator is expressed in the form of equations. Two different types of analysis for the robot had been conducted base on the gravity. In the context, various analysis of the adaptive control is used for the design of the robot controller. The controllers are implemented in real-time. The materials presented in the book is based on an experimental basis research. The experimental results are all illustrated in graphical form. The book provides an insight to readers the modern control techniques available, such as vision-based control of the robot. The book is useful for professionals, academics and engineers in the field of robotics and control engineering.



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