



## Modeling and Control of Vehicular and Robotic Systems

By Sisil Kumarawadu

Alpha Science International Ltd. Hardback. Book Condition: new. BRAND NEW, Modeling and Control of Vehicular and Robotic Systems, Sisil Kumarawadu, "Modeling and Control of Vehicular and Robotic Systems" provides a comprehensive coverage of mathematical modeling and model-based control of autonomous vehicular and robotic systems based on three broad application areas, namely, rigid robot systems (with special emphasis on active vision heads, which are rare in contemporary literature), ground vehicles, and surface vehicles. Two main drawbacks of classical methods of model based controller synthesis and implementation, i.e. the need of an accurate knowledge of the dynamics that is a strong requirement in practice and velocity feedback of all degrees-of-freedom are thoroughly addressed. To overcome these deficiencies, design and implementation issues of online adaptive neural networks-based dynamic compensators and controller-observer systems have been included. The related issues of modeling, controller design, stability analysis, sensor requirements and options, and numerical simulations are also presented.

[DOWNLOAD](#)



[READ ONLINE](#)

[ 4.22 MB ]

### Reviews

*Complete guideline! Its this type of great read through. it absolutely was written quite perfectly and helpful. I am very happy to explain how this is basically the best book i actually have read through during my personal life and can be the very best book for at any time.*

-- **Joshua Gerhold PhD**

*A very awesome book with perfect and lucid reasons. It really is basic but shocks within the 50 percent of the book. Its been designed in an exceptionally easy way and is particularly merely right after i finished reading this ebook where in fact changed me, change the way i think.*

-- **Meagan Roob**

## Related eBooks

---



### [Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers](#)

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original...

---



### [California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package](#)

Pearson, United States, 2015. Loose-leaf. Book Condition: New. 10th. 249 x 201 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for...

---



### [Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package](#)

Pearson, United States, 2015. Book. Book Condition: New. 10th. 250 x 189 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for...

---



### [Who am I in the Lives of Children? An Introduction to Early Childhood Education](#)

Pearson Education (US), United States, 2015. Paperback. Book Condition: New. 10th Revised edition. 254x201 mm. Language: English . Brand New Book. Note: This is the bound book only and does not include access to the Enhanced Pearson eText. To order...

---



### [Who Am I in the Lives of Children? an Introduction to Early Childhood Education with Enhanced Pearson Etext -- Access Card Package](#)

Pearson, United States, 2015. Paperback. Book Condition: New. 10th. 251 x 203 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for...

---



### [The Forsyte Saga \(The Man of Property; In Chancery; To Let\)](#)

Scribner Paperback Fiction. PAPERBACK. Book Condition: New. 0743245024 12+ Year Old paperback book-Never Read-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE tracking!!!! \* I am...