



# Advanced Motion Control and Sensing for Intelligent Vehicles

By Li Li, Fei-Yue Wang

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This book provides the latest information in intelligent vehicle control and intelligent transportation. Detailed discussions of vehicle dynamics and ground-vehicle interactions are provided for the modeling, simulation and control of vehicles. It includes an extensive review of past and current research achievements in the intelligent vehicle motion control and sensory field, and the book provides a careful assessment of future developments.

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## **Advanced Motion Control and Sensing for Intelligent Vehicles** By Li Li, Fei-Yue Wang **Bibliography**

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### Editorial Review

Review

From the reviews:

"The state of the art summary (9 chapters, 1371 references, 224 figures) of research activities in ground vehicle motion control and sensing is provided, and a multi-disciplinary perspective in this field is offered. ... The book is intended for graduate and postgraduate students, engineers and researchers who are interested in the past and current research on intelligent ground vehicles." (Ingmar Randvee, Zentralblatt MATH, Vol. 1113 (15), 2007)

From the Back Cover

**Advanced Motion Control and Sensing for Intelligent Vehicles** provides the latest information in intelligent vehicle control, sensing, and intelligent transportation. It addresses the growing need for safe, comfortable, time and energy-efficient modes of transportation with emphasis on the latest key findings, current trends, and likely future developments in this rapidly expanding field.

Highlights:

- Discusses individual vehicle dynamics, sensory and multiple ground-vehicle interactions
- Includes systematic review of past and current research achievements
- Presents case studies in cutting-edge directions such as vehicle steering motion, vehicle vision systems, cooperative driving, intersection safety, and tire pressure monitoring
- Assesses the likely future developments of this field

This book is useful for both practicing engineers and researchers in the automotive industry.

### Users Review

From reader reviews:

**Rebecca Kurtz:**

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**Mark Nixon:**

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