

HANDBOOK OF VEHICLE SUSPENSION CONTROL SYSTEMS

HONGHAI LIU, HUIJUN GAO & PING LI (EDS.)

Surveys the state-of-the-art in advanced suspension control theory and applications with contributions from a selection of international researchers. This book would be ideal reading for academic researchers and industrial practitioners in control engineering, particularly those working on applications for the automotive industry.

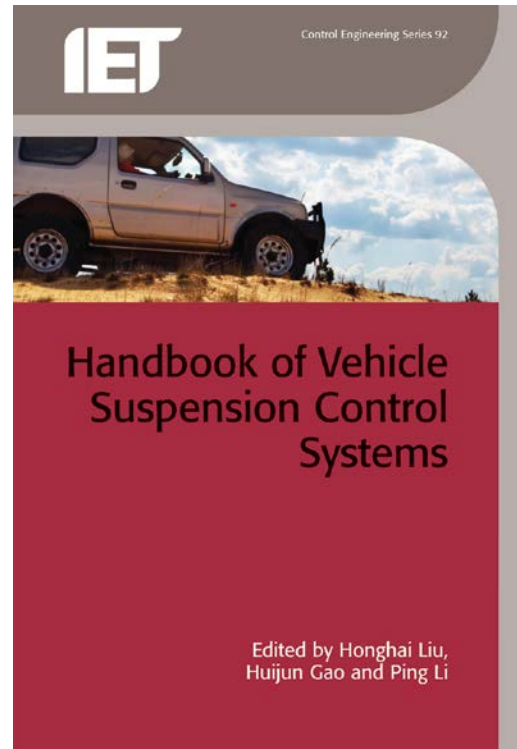
- An overview of intelligent vehicle suspension control systems, intelligence-based vehicle active suspension adaptive control systems and robust active control of an integrated suspension system.
- Topics covered include; an interval type-II fuzzy controller for vehicle active suspension systems, active control for actuator uncertain half-car suspension systems and active suspension control with finite frequency approach.
- Via the fuzzy control approach, fault-tolerant control for uncertain vehicle suspension systems is discussed along with H-infinity fuzzy control of suspension systems with actuator saturation.
- The authors apply an LMI approach to vibration control of vehicle engine-body systems with time delay.

READERSHIP

With contributions from an international selection of researchers, this book will find a place on the bookshelves of academic researchers and industrial practitioners in control engineering especially within the automotive industry.

AUTHOR INFORMATION

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