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### Automotive Control Systems Springer

Automotive Control Systems Book Subtitle For Engine, Driveline, and Vehicle Authors. Uwe Kiencke; Lars Nielsen; Copyright 2005 Publisher Springer-Verlag Berlin Heidelberg Copyright Holder Springer-Verlag Berlin Heidelberg eBook ISBN 978-3-540-26484-2 DOI 10.1007/b137654 Hardcover ISBN 978-3-540-23139-4 Softcover ISBN 978-3-642-06211-7 Edition Number 2 Number of Pages

### Automotive Control Systems - Springer

Nonlinear and Hybrid Systems in Automotive Control will enable researchers, control engineers and automotive engineers to understand the engine and whole-vehicle models necessary for control. A new generation of control strategies has become necessary because of the increasingly rigorous requirements of vehicle and engine control systems for accuracy, ride comfort, safety, complexity, functionality and emission levels.

### Nonlinear and Hybrid Systems in Automotive Control - Springer

He is the editor of two earlier LNCS volumes on automotive control: Identification for Automotive Systems (978-1-4471-2220-3) and Automotive Model Predictive Control (978-1-84996-070-0) Ilya Kolmanovskiy is a Professor of Aerospace Engineering at the University of Michigan with research interests in control applications to automotive and ...

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Automotive Control Systems are an application area of Automatic Control Science with increasing importance. A generation ago, vehicles were mainly designed by mechanical engineers. Today, about 1/3 of a vehicle's added value is electronics. Customer-relevant vehicle functions are more and more determined by information and automation technology.

### Automotive Control Systems

Automotive Control Systems For Engine, Driveline, and Vehicle. Uwe Kiencke Lars Nielsen Automotive Control Systems For Engine, Driveline, and Vehicle Second edition With 345 figures and 13 tables. Library of Congress Control Number: 2005922217 ISBN 3-540-23139-0 Springer Berlin Heidelberg New York This work is subject to copyright. All rights ...

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5.7 Chapter Summary. This chapter provided an introduction to several longitudinal control systems, including standard cruise control, adaptive cruise control, collision avoidance, longitudinal control for operation of vehicles in platoons and anti lock brake systems.

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A survey of contemporary embedded distributed control systems in vehicles. Tech-nical Report ISSN 1400-1179, ISRN KTH/MMK-04/xx-SE. Dept. of Machine Design, KTH, 2004. Google Scholar

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Automotive Control Systems: For Engine, Driveline, and Vehicle (Hardback) Uwe Kiencke, Lars Nielsen Published by Springer-Verlag Berlin and Heidelberg GmbH & Co. KG, Germany (2005)

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