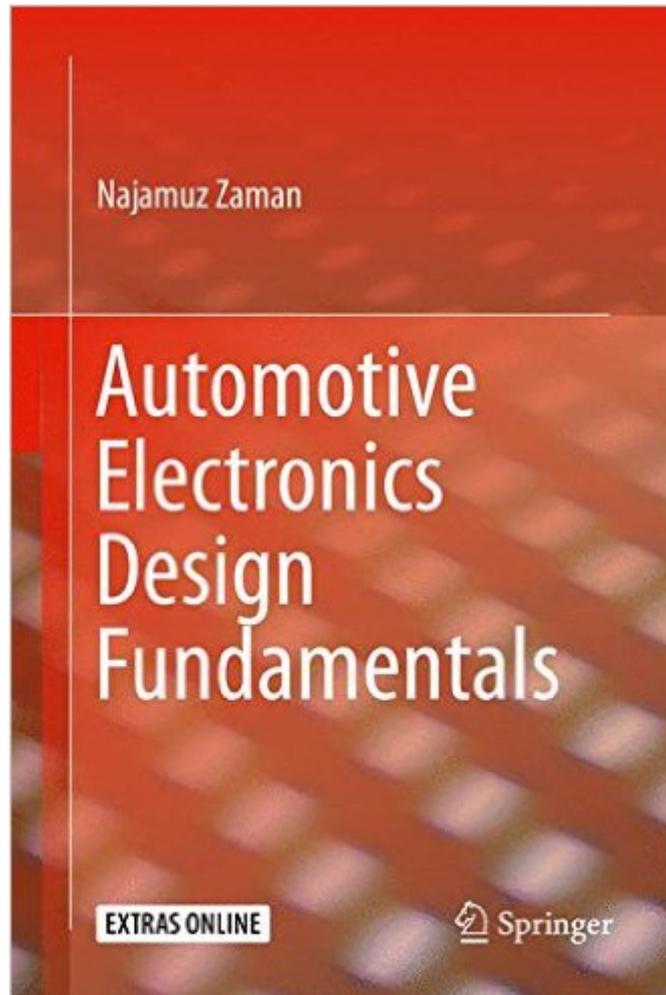


The book was found

# Automotive Electronics Design Fundamentals



## Synopsis

This book explains the topology behind automotive electronics architectures and examines how they can be profoundly augmented with embedded controllers. These controllers serve as the core building blocks of today's vehicle electronics. Rather than simply teaching electrical basics, this unique resource focuses on the fundamental concepts of vehicle electronics architecture, and details the wide variety of Electronic Control Modules (ECMs) that enable the increasingly sophisticated "bells & whistles" of modern designs. A must-have for automotive design engineers, technicians working in automotive electronics repair centers and students taking automotive electronics courses, this guide bridges the gap between academic instruction and industry practice with clear, concise advice on how to design and optimize automotive electronics with embedded controllers.

## Book Information

Hardcover: 262 pages

Publisher: Springer; 1st ed. 2015 edition (August 20, 2015)

Language: English

ISBN-10: 3319175831

ISBN-13: 978-3319175836

Product Dimensions: 7 x 0.8 x 9.5 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars See all reviews (4 customer reviews)

Best Sellers Rank: #322,473 in Books (See Top 100 in Books) #21 in Books > Engineering &

Transportation > Automotive > Repair & Maintenance > Vehicle Design & Construction #31

in Books > Engineering & Transportation > Automotive > Repair & Maintenance > Electrical

Systems #44 in Books > Engineering & Transportation > Engineering > Electrical & Electronics >

Electric Machinery & Motors

## Customer Reviews

This book is aimed at the working professional engineer rather than the novice. The ideal audience would include engineers who have been working in other fields and are now considering a career in automotive, or engineers who are already in one particular automotive electronics specialty but wishing to explore other subsystems. Accordingly, this book provides a comprehensive overview of every vehicle subsystem. It also goes beyond the theoretical to actual case studies of specific vehicles. And the last section of the book is all about Electromagnetic Compliance, which has

become a seemingly never-ending battle given the rapid proliferation of sophisticated digital signal processing and telecommunications in our interconnected world.

This is a fantastic books for automotive electrical engineers. Valuable information can be found in this book. Beautifully explained and depicted thru drawings and inserts where appropriate. Author eloquently and with simplicity presented his thoughts and knowledge in this book. This can be used as text book or as reference book . Many college graduates lack of automotive electrical/electronics aspect in their education. This book will open up their door in automotive electrical/electronics area. I recommend this book for any electrical engineer, working or interested to work in automotive electorol/electronics field.

Wonder full books for student for good understanding Automotive electronics . I recommend this for all automotive electronics design engineers as best basic design book available.

This is an excellent book for teaching. Could not find a better book for my purposes in teaching!!!

[Download to continue reading...](#)

Automotive Electronics Design Fundamentals Shocking! Where Does Electricity Come From?  
Electricity and Electronics for Kids - Children's Electricity & Electronics TechOne: Automotive  
Electricity & Electronics Electronics Fundamentals: Circuits, Devices & Applications (8th Edition)  
Electronics Technology Fundamentals: Conventional Flow Version (3rd Edition) Fundamentals Of  
Medium/Heavy Duty Commercial Vehicle Systems (Jones & Bartlett Learning Cdx Automotive) Six  
Sigma for Electronics Design and Manufacturing (Professional Engineering) Fundamentals of  
Theatrical Design: A Guide to the Basics of Scenic, Costume, and Lighting Design Fundamentals of  
Aircraft and Airship Design: Airship Design and Case Studies (Aiaa Education Series) Design for  
Motion: Fundamentals and Techniques of Motion Design Industrial Electronics 20th Century Classic  
Cars: 100 Years of Automotive Ads Michael Faraday: Father of Electronics Make: Lego and Arduino  
Projects: Projects for extending MINDSTORMS NXT with open-source electronics Electronics for  
Kids: Play with Simple Circuits and Experiment with Electricity! Make: Tech DIY: Easy Electronics  
Projects for Parents and Kids Electronics For Kids For Dummies Maker Projects for Kids Who Love  
Electronics (Be a Maker!) Eyewitness: Electronics Foundation Electronics

[Dmca](#)