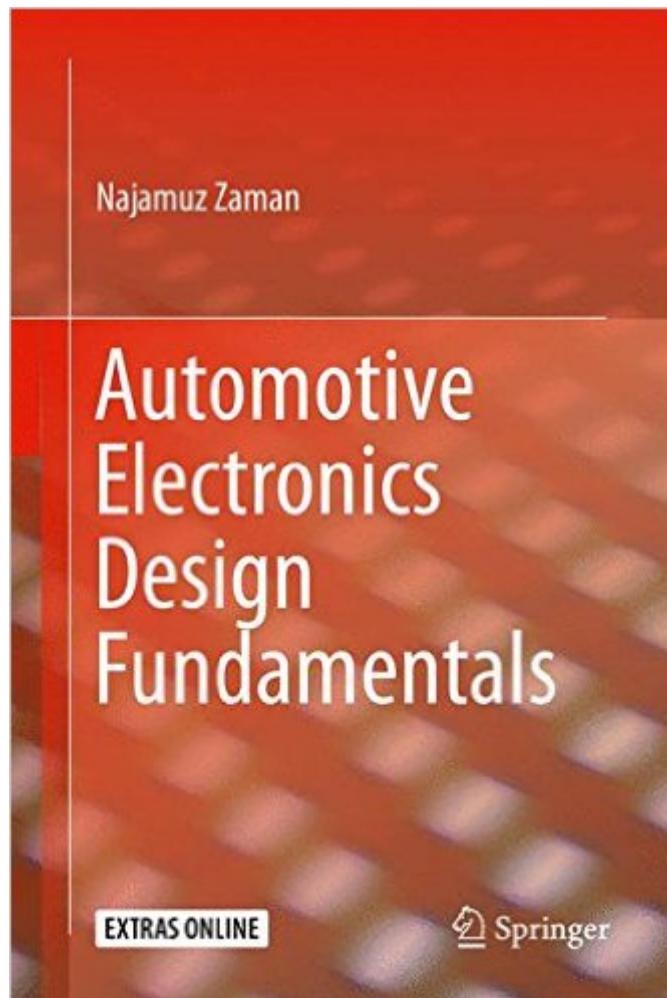


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# Automotive Electronics Design Fundamentals



## 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

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## 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 electoral/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!!!

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