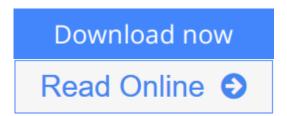


# **Automotive Electronics Handbook**

By Ronald K. Jurgen



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# Bestselling auto electronics bible

Brimming with the latest advances in auto electronics, *Automotive Electronics Handbook, Second Edition* makes you an instant expert on today's leading edge technologies--stability control, object detection, collision warning, adaptive cruise control, and more. Plus, you get under-the-hood engineering details on automotive antitheft systems, navigation aids, and intelligent vehicle-highway systems--completely updated for 21st century vehicle design.

Nearly 50 well-known auto electronics gurus at firms ranging from Chrysler to Motorola hand you ready-to-use templates and powerful on-the-job shortcuts, taking you far beyond basic sensors and actuators for schematic-level working explanations of everything from front and side airbags, smart instrument displays and sleep warning systems to seat occupancy detectors, all-electric vehicles, electric hybrids and more. With hundreds of all-new design secrets and previews of emerging digital technologies, this exhaustive guide is the most comprehensive of its kind.



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#### About the Author

Ronald K. Jurgen was formerly a senior editor at IEEE Spectrum, where he specialized in automotive and consumer electronics writing and editing. Jurgen is the editor of the Digital Consumer Electronics Handbook (McGraw-Hill, 1997), the Society of Automotive EngineersÕ (SAE) Progress in Technology series of books on automotive electronics (now being published), and their three-volume history of automotive electronics (1998). He is also an assistant editor of the Electronics EngineersÕ Handbook, 4e (McGraw-Hill, 1998). His memberships include SAE, the Institute of Electrical and Electronics Engineers, Inc., where he is a Life Senior member, and the IEEE

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