Performance Metrics for Assessing Driver Distraction: The Quest for Improved Road Safety
By Gary L. Rupp
This book focuses on the study of secondary task demands imposed by in-vehicle devices on the driver while driving. It provides a mechanism for researchers to evaluate how in-vehicle devices such as navigation systems – as well as other devices such as cell phones – affect driver distraction and impact safety.
$99.95 List
Product Code: R-402

Vehicle Multiplex Communication: Serial Data Networking Applied to Vehicular Engineering
By Christopher A. Lupeni
The content in this book will help the reader to acquire a basic understanding of vehicle multiplexing systems, primarily from the passenger car and light truck viewpoint. Some discussion of heavy-duty and off-road vehicle multiplexing is presented, along with a look at industrial automation.
$79.99 List
Product Code: R-340

Nonlinear and Hybrid Systems in Automotive Control
By Rolf Johansson, Anders Rantzer
With contributions from leading scientists in the field, this book presents an overview of research in this rapidly-expanding area. New approaches to solving theoretical problems, as well as numerous systems and control research issues, are covered.
$79.99 List
Product Code: R-348

Fundamentals of Crash Sensing in Automotive Air Bag Systems
By Ching-Yao Chan
Drawing upon the wisdom of many pioneers in the field, Chan presents a clear explanation of automotive air bag sensors using easy-to-read charts, tables, and figures. The book also includes a glossary of terms, and exercises for further study.
$59.95 List
Product Code: R-217

Battery Reference Book
By T. R. Crompton
This book guides the reader through the subject in a logical sequence, covering electrochemical theory as it applies to batteries, battery selection, and the theory and practice of battery charging. It includes comprehensive information from battery manufacturers about the performance characteristics of the batteries they supply.
978-1-56091-809-7, 750 pp., 6 Sections, 63 Chapters, Hardbound 1996.
$5.00 List
Product Code: R-167
Automotive E/E Reliability
By John Day

Electrical and electronic reliability is a critical issue for automakers and suppliers as well as car buyers and dealers. The burden of reliability falls most heavily on automotive E/E engineers, system and software developers, component suppliers, and tools vendors. This book explores ways that the automotive industry continues to add E/E features while maintaining if not improving overall reliability.

This book helps executives, decision-makers, and managers to quickly grasp the key drivers associated with E/E reliability in the automotive market. Academics who teach electronics and automotive engineering will also be interested in the book, as well as those in government who legislate and regulate automotive electronics.

Author John Day interviewed nearly 50 experts on all facets of E/E systems and reliability during preparation of this manuscript. In addition, he culled information from press releases and presentations. He synthesized a massive amount of information and data into an easy-to-digest manuscript that gives a clear picture of the current state of E/E reliability and where the technology it is headed.

$199.00 List
Product Code T-126

Automotive 2030—North America
By Bruce Morey

The current rapid rate of innovation in the automotive industry is primarily fueled by the need to improve fuel economy and reduce emissions, increase use of electronics for infotainment and safety, and global development. This full-color book delves into these megatrends to arm decision-makers with information that will help them remain competitive in the North American automotive market for the next 20 years.

The first third of the book covers improvements to existing technologies—engines, transmissions, bodies and materials—for better fuel economy. The second portion of the book delves into alternate fuel sources for vehicles and associated technologies. The focus of the final third of the book is the emergence of the smart car. Readers will come away with a renewed understanding of the complicated set of trends that will affect the automotive industry for the next 20 years, and how to effectively address them.

With more than 20 years of technology development, research, and management experience, author Morey brings a unique forward-looking perspective on these critical topics.

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Hybrid-Powered Vehicles, Second Edition

By John German

This book builds on the original edition’s exploration of hybrid components, system engineering, design constraints, challenges, and opportunities of hybrid vehicles. Since the first edition was published in 2003, hybrid vehicles have seen major technical developments and have gained significant market share.

Hybrid-Powered Vehicles provides the reader with a thorough yet accessible understanding of the latest hybrid technology developments, along with keen insight into the market forces shaping the technology and a look at what lies ahead.

Author John German reviews the development history of hybrid vehicles and the current state of hybrid technology, including battery types and chemistries. He also highlights the cycles of fuel availability, fuel economy, and concern for environmental issues, and profiles government efforts to spur development of more efficient vehicles.

Future enhancements, including more sophisticated hybrid control strategies and integrating additional electrical components to improve efficiency, are also featured. Cost reduction, being a major barrier to mass market adoption, is also discussed. Finally, future sales and market forecasts are offered, including the belief that hybrid sales will rapidly increase after approximately 2020 and will capture about 75% of the market by about 2030.


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Product Code T-125
Green Technologies and Connectivity in the Mobility Industry SET

By Dr. Andrew Brown, Jr.

This set includes two books, edited by Delphi’s Chief Technology Officer Dr. Andrew Brown, Jr., which explore some of the most significant challenges currently facing the automotive industry—building greener and more connected vehicles. Both books each include 20 SAE technical papers on their respective topics, originally published from 2009 through 2011.

Green Technologies and the Mobility Industry
Showcases how the mobility industry is developing greener products and staying responsive—if not ahead of—new standards and legal requirements.

Connectivity and the Mobility Industry
Covers such topics as vehicle-to-vehicle communications, telematics, and autonomous driving. It also includes three original articles on automotive connectivity, written by various industry experts.

Buy a Combination of Books and Save!
These books are part of a trilogy that can be purchased in other two-book combinations as follows:
- Green Technologies and Active Safety in the Mobility Industry
- Active Safety and Connectivity in the Mobility Industry

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Active Safety and Connectivity in the Mobility Industry SET

By Dr. Andrew Brown, Jr.

This set includes two books, edited by Delphi’s Chief Technology Officer Dr. Andrew Brown, Jr., which explore some of the most significant challenges currently facing the automotive industry—building safer and more connected vehicles. These books each include 20 SAE technical papers on their respective topics, originally published from 2009 through 2011.

Active Safety and the Mobility Industry
Details the latest innovations and trends in active safety technology and driver distraction prevention techniques.

Connectivity and the Mobility Industry
Covers such topics as vehicle-to-vehicle communications, telematics, and autonomous driving. It also includes three original articles on automotive connectivity, written by various industry experts.

Buy a Combination of Books and Save!
These books are part of a trilogy that can be purchased in other two-book combinations as follows:
- Green Technologies and Active Safety in the Mobility Industry
- Green Technologies and Connectivity in the Mobility Industry

Buy the Entire Trilogy and Save the Most!
Green, Safe & Connected: The Future of Mobility

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Product Code PT-147_148.SET
Green Technologies and Active Safety in the Mobility Industry
By Dr. Andrew Brown, Jr.
This set includes two books, edited by Delphi’s Chief Technology Officer Dr. Andrew Brown, Jr., which explore some of the most significant challenges currently facing the automotive industry—building green and safer vehicles. Both books each include 20 SAE technical papers on their respective topics, originally published from 2009 through 2011.

Green Technologies and the Mobility Industry
Covers a wide range of subjects showcasing how the industry is developing greener products and keeping up with—if not staying ahead of—new standards and regulations.
Active Safety and the Mobility Industry
Details the latest innovations and trends in active safety technology and driver distraction prevention techniques.

Green, Safe & Connected: The Future of Mobility
By Dr. Andrew Brown, Jr.
This three-volume set includes explores the new paradigm “green, safe and connected” in the automotive industry. These books have been compiled for those looking for an integrated view of how the driving experience will develop within these boundaries, and what emerging technologies are likely to be successful in the upcoming years.

Green Technologies and the Mobility Industry
Covers a wide range of subjects showcasing how the industry is developing greener products and keeping up with—if not staying ahead of—new standards and regulations.
Active Safety and the Mobility Industry
Details the latest innovations and trends in active safety technology and driver distraction prevention techniques.
Connectivity and the Mobility Industry
Covers such topics as vehicle-to-vehicle communications, telematics, and autonomous driving. It also includes three original articles on automotive connectivity, written by various industry experts.

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Connectivity and the Mobility Industry
By Dr. Andrew Brown, Jr.
Part of the new paradigm of “green, safe and connected,” this book features 20 SAE technical papers published in 2010 and 2011 on such topics as vehicle-to-vehicle communications, telematics, and autonomous driving. This book also includes three original articles on automotive connectivity, written by various industry experts.
$119.95 List
Product Code: PT-148
X-By-Wire Automotive Systems
By Ronald K. Jurgen
This book contains 46 papers covering the past ten years (1999-2008) of research on various by-wire systems, looking at the challenges faced by design engineers as traditional hydraulic or mechanical linkages are replaced by electronic control systems.
Hardbound 2009.
$89.95 List
Product Code: PT-140

Automotive Microcontrollers, Volume 2
By Ronald K. Jurgen
This book contains 49 papers covering the past eight years (2000-2007) of research on automotive microcontrollers, providing a look at innovative design trends and the latest applications. Topics covered include: Microcontroller Design Concepts; Microcontroller Networking; System Testing/Diagnosis; and Implementation Examples.
978-0-7680-2067-0, 443 pp., Hardbound 2008.
$69.99 List
Product Code: PT-137

Event Data Recorders
A Decade of Innovation
By H. Clay Gabler, John A. Hinch, John Steiner
This book contains 28 landmark papers, providing a comprehensive look at event data recorder (EDR) technology for cars, light trucks, and heavy vehicles.
$79.99 List
Product Code: PT-139

Distributed Automotive Embedded Systems
By Ronald K. Jurgen
This book contains 88 papers covering the past seven years (2001-2007) of research on the varying aspects of distributed embedded systems.
$49.99 List
Product Code: PT-136

Infotainment Systems
By Ronald K. Jurgen
This book contains 87 papers covering the past eight years (2000-2007) of engineering developments related to infotainment systems. Topics covered include: Enabling technologies; Software; Communications; Voice recognition; Speech synthesis; Displays; Radio systems; Driver assistance systems; Navigation; Lane departure warning; and more.
$49.99 List
Product Code: PT-135

Object Detection, Collision Warning and Avoidance Systems, Volume 2
By Ronald K. Jurgen
This book contains 51 papers covering the past eight years (1999-2006) of research on object detection, collision warning, and collision avoidance.
$49.99 List
Product Code: PT-133

Adaptive Cruise Control
By Ronald K. Jurgen
This book contains 63 papers covering the past 11 years (1996-2006) of research on the progress and challenges in the design of Adaptive Cruise Control (ACC) systems and components.
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Product Code: PT-132

Safety-Critical Automotive Systems
By Juan R. Pimentel
The book contains 40 SAE technical papers from 2001-2006 with focus on the vehicle’s most important subsystems: sensors, actuators, electronic control units (ECUs), communication systems, and software (application, middleware, drivers, etc.).
$69.99 List
Product Code: PT-103

Automotive Software
By Ronald K. Jurgen
This book details the need for rapid software development necessitated by the ever increasing complexity of automotive electronics. The book contains 73 papers grouped into 8 different categories, including various aspects of software development, methodology, application and more.
$69.99 List
Product Code: PT-127

Multiplexing and Networking, Volume 2
By Ronald K. Jurgen
This book contains 63 papers covering six years of research (from 2000-2005) on multiplexing and networking trends and technology. Topics include: Multiplexing and Networking Systems; Protocols; Gateways and Middleware; Network/Protocol Testing; and Viewpoints on Future Trends.
$19.99 List
Product Code: PT-128
Emission Control and Fuel Economy for Port and Direct Injected SI Engines
By John H. Johnson
This book is a collection of 45 SAE technical papers that covers the fundamentals of gasoline direct injection (DI) engine emissions and fuel economy, design variable effects on HC emissions, and advanced emission control technology and modeling approaches.
$19.99 List
Product Code: PT-91

Electronic Engine Control Technologies, 2nd Edition
By Ronald K. Jurgen
In this second edition, the latest advances and technologies of electronic engine control are explored in a collection of 99 technical papers, none of which were included in the first edition.
$69.99 List
Product Code: PT-110

Sensors and Transducers, Second Edition
By Ronald K. Jurgen
The editor offers an informative introduction clearly explaining the overall format and layout of the book that groups 105 papers by the parameters they measure, rather than their corresponding applications.
$29.99 List
Product Code: PT-105

Design of Racing and High-Performance Engines 1998-2003
By Daniel J. Holt
The 53 technical papers in this book show the improvements and design techniques that researchers have applied to performance and racing engines. They provide an insight into the top improvements needed to advance engine technology.
$99.95 List
Product Code: PT-100

The 42-Volt Electrical System
By Daniel J. Holt
This informative collection contains 43 technical papers that explore the possible benefits and challenges of including 42-volt systems in automobiles.
$9.99 List
Product Code: PT-99

Automotive Electronics Reliability
This book contains 63 technical papers and articles that substantiate the progress that has been made in this area. The book features four sections which cover the many changes in all areas of automotive electronics reliability.
$39.99 List
Product Code: PT-82

Passenger Safety and Convenience Systems
This book is made up of 61 technical papers and articles written in the last decade covering a variety of electronic systems for driver and passenger safety and convenience. Many papers in this book could arguably be considered in both categories because they provide the driver/passenger with multiple functions of safety and convenience.
$5.00 List
Product Code: PT-83

Electronic Transmission Controls
This book contains 68 technical papers from SAE and other international organizations written since 1995 on this rapidly growing area of automotive electronics.
$5.00 List
Product Code: PT-79

Multiplexing and Networking
This book contains 70 landmark papers on multiplexing, networking considerations, and protocols. These papers address the many concerns associated with designing and choosing an electronic network including: media bandwidth, electromagnetic (EMC) compatibility, fault tolerance, serviceability, environmental requirements, network architecture, and cost.
$19.99 List
Product Code: PT-78

Navigation and Intelligent Transportation Systems
This book contains 40 papers covering the technical and functional aspects of these systems including: 3D mapping, route guidance, cellular phone access, electronic compasses, and the history and future of navigation systems.
$5.00 List
Product Code: PT-72
Object Detection, Collision Warning and Avoidance Systems

The 30 papers included in this book cover the pros and cons of each of the three systems plus the technological, cost, legal, and public acceptance obstacles these systems face before widespread adoption can occur.
$5.00 List
Product Code: PT-70

Automotive Microcontrollers

The early uses of microprocessors and microcontrollers to control emissions and fuel economy have now been supplemented by applications in braking, transmissions, displays, body control, radios, navigation systems, cruise control and more. Automotive Microcontrollers covers the rapid changes in technology that have taken place from 1988 to 1998.
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Product Code: PT-75

SAE 42V Exterior and Interior Lighting Cooperative Research Program Final Report

This research report documents the findings, the effects, and limitations of 42 volt electrical system architecture on vehicle exterior and interior lighting systems.
$999.99 List
Product Code: RR-018

IDB-C Data Bus Report on Studies for Modeling, Simulation, and Signal Analysis; and EMC/EMI Measurements and Testing

By Daniel J. Guzman
This report provides an analysis of the IDB-C network at the Subsystem level and at the vehicle level, using data comparison between modeling and simulation of the network and measurement and analysis on physical systems.
$5.00 List
Product Code: RR-014

42 Volt Systems Technology Implications for the Automotive Industry

By Daniel J. Holt
This report addresses the technical challenges engineers face, including the issues of storage devices, generation of the 42 volts, and distribution of power. It contains information on all of the critical aspects related to the adoption of this technology.
$5.00 List
Product Code: RR-008

Controller Area Network Projects

By Dogan Ibrahim
This book is written for students, engineers, and anyone else who may be interested to learn more about the CAN bus and its applications. It teaches the basic principles of CAN networks, as well as the development of microcontroller-based projects using the CAN bus.
$47.60 List
Product Code: B-922

Bosch Automotive Handbook, 8th Edition

This new edition of the best-selling, reference book includes more than 580 pages of new and revised content covering topics such as: hybrid drives, fuel cells, chassis control, active safety, and automotive electronics. Covering hundreds of automotive subjects, this handbook also contains more than 1,000 illustrations, diagrams, tables, and sectional drawings.
$32.50 List
Product Code: BOSCH8

Ultracapacitor Applications

By Dr. Porter Mitchell, Dr. John Miller, PE
This book takes a critical look at the physical storage of electricity in the devices known collectively as electrochemical capacitors and particularly as ultracapacitors.
978-1-84919-071-8, 424 pp., 2011.
$100.00 List
Product Code: B-IET-002

Honda R&D Technical Review: April 2011

The latest technical review from Honda features cutting-edge developments from the company’s worldwide R&D team documented in 17 papers technical papers on both new and established technologies. Highlights include advancements in fuel cells, driver assistance systems, and electronic control AWD systems, among others.
$100.00 List
Product Code: B-HON-009

Autonomous Ground Vehicles

By Umit Ozguner, Keith A. Redmill, Tankut Acarman
Providing you with a practical understanding of this technology area, this innovative resource focuses on basic autonomous control and feedback for stopping and steering ground vehicles.
978-1-60807-192-0, 324 pp., 2011.
$129.00 List
Product Code: B-918
**Commercial Vehicle Accident Reconstruction and Investigation**

**2nd Edition**

By Rick W. Varner, Roy F. Sutphen

If you are interested in reconstructing or investigating commercial vehicle accidents, or if you are already involved in this but would like a better understanding of the issues, this book will prove to be valuable tool. The authors of this text discuss in great detail the unique aspects of commercial vehicle operation, performance and regulations, as well as human factors.

978-1-933264-83-7, 448 pp., 2010.

**$109.00 List**

Product Code: B-883

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**Project Management of Complex and Embedded Systems**

By Jon M. Quigley, Kim H. Pries

There are many books on project management and many on embedded systems, but few address the project management of embedded products from concept to production. This book uses proven Project Management methods, as well as elements of IEEE embedded software development techniques, to explain how to deliver a reliable complex system to market.

978-1-420072051, 376 pp., Hardbound 2010.

**$84.00 List**

Product Code: B-875

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**Honda R&D Technical Review:**

**April 2010**

The 27 papers included in this volume chronicle the best of Honda’s documented technical advancements from October 2009 through April 2010 and cover automotive, motorcycle, power products, and other fundamental technologies. Full-color diagrams complement the text.


**$100.00 List**

Product Code: B-HON-002

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**Power Electronics in Motor Drives**

By Martin Brown

This book is aimed at people who want to understand how AC inverter drives work and how they are used in industry. This book covers the practical design and application of drives rather than the mathematical principles behind them. Key principles of power electronics are described, as well as the basics of both DC and AC motors and the electronics of both drives.


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Product Code: B-886

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**Battery Management Systems for Large Lithium-Ion Battery Packs**

By Davide Andrea

This timely book provides you with a solid understanding of battery management systems (BMS) in large Li-ion battery packs, describing the important technical challenges in this field and exploring the most effective solutions.

978-1-60807-104-3, 290 pp., 2010.

**$139.00 List**

Product Code: B-919

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**Telematics Communication Technologies and Vehicular Networks:**

**Wireless Architectures and Applications**

By Yuh-Shyan Chen, Chung-Ming Huang

This book examines critical issues involved with telematics such as vehicular network infrastructure, vehicular network communication protocols, and vehicular services and applications.


**$180.00 List**

Product Code: B-IGI-003

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**Propulsion Systems for Hybrid Cars,**

**2nd Edition**

By John M. Miller

Completely updated with the most current topics of interest on plug-in hybrid and battery electrics, this new book provides comprehensive coverage on all aspects of the hybrid vehicle design—from its power plant and energy storage systems, to supporting chassis subsystems necessary for realizing hybrid modes of operation.


**$110.00 List**

Product Code: B-IET-001

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**Cooperative Communications for Improved Wireless Network Transmission:**

**Framework for Virtual Antenna Array Applications**

By Murat Uysal

This book details the principles of cooperative communication. Containing research from leading international experts, this premier reference source offers readers diverse findings and exposes underlying issues in the analysis, design, and optimization of wireless systems.


**$180.00 List**

Product Code: B-IGI-004

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**Dictionary of Automotive Engineering**

By Ingo Stuben

Unlike standard dictionaries, this specialized dictionary provides valuable aid to the expert (engineer or mechanic), student, and other interested parties who seek a better understanding of technical terms and precise definitions specific to automobiles. A number of conversion tables for the units used in the various measuring systems supplement the dictionary.

978-3-8169-2941-3, 328 pp., Paperbound 2010.

**$54.00 List**

Product Code: B-891

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**Automotive Antenna Design and Applications**

By Nikolai Alexandrov, Victor Rabinovich, Basim Alkhateeb

This book thoroughly examines traditional and advanced automotive antennas, including the principles, designs, and techniques used to reduce antenna dimensions without significant degradation of communication quality.

978-1-4398040-7-0, 330 pp., Hardbound 2010.

**$129.95 List**

Product Code: B-880

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**Telematics Communication Technologies and Vehicular Networks:**

**By Yuh-Shyan Chen, Chung-Ming Huang**

This book examines critical issues involved with telematics such as vehicular network infrastructure, vehicular network communication protocols, and vehicular services and applications.


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**Movement - Aware Applications for Sustainable Mobility: Technologies and Approaches**  
*By Monica Wachowicz*  
This book focuses on the use of location sensing technology and its wider applicability in supporting sustainable mobility, and presents current research on developing innovative approaches for gathering, representing, storing and analyzing movement data sets generated from location sensing technology.  
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Product Code: B-IGI-005

**Advances in Vehicular Ad-Hoc Networks: Developments and Challenges**  
*By Mohamed Watfa*  
The flexibility of Vehicular Ad Hoc Networks (VANETs) opens the door to a myriad of applications; this book tackles the prevalent research challenges that hinder a fully deployable vehicular network. This unique reference presents a unified treatment of the various aspects of VANETs and is essential for researchers working in the automobile industry.  
978-1-61520-914-9, 384 pp., PDF Only 2010.  
**$180.00 List**  
Product Code: B-IGI-006

**Modern Electric, Hybrid Electric, and Fuel Cell Vehicles**  
Fundamentals, Theory, and Design,  
*Second Edition*  
*By Mehrdad Ehsani, Ali Emadi, Yimin Gao*  
Building on the foundation of the bestselling first edition, this second edition updates and expands its detailed coverage of the vehicle technologies that offer the most promising solutions to these issues affecting the automotive industry.  
978-1-4200539-8-2, 557 pp., Hardbound 2009.  
**$129.95 List**  
Product Code: B-884

**Honda R&D Technical Review: April 2009**  
This unique book gives rare insight into the world of Honda’s worldwide R&D team, covering technical developments from October 2008 through March 2009.  
With special focus on fuel cell vehicles, the 33 papers included also cover other automotive topics, as well as motorcycle, power products, and other fundamental technologies.  
**$49.95 List**  
Product Code: B-HON-007

**Handbook on Advancements in Smart Antenna Technologies for Wireless Networks**  
*By Chen Sun, Takashi Chiba, Jun Cheng*  
This book is the most comprehensive reference source on smart antenna technologies, offering in-depth descriptions of terminologies, concepts, methods, and applications related to smart antennas in various wireless systems.  
978-1-59904-989-2, 584 pp., PDF Only 2009.  
**$195.00 List**  
Product Code: B-IGI-001

**Automotive Informatics and Communicative Systems: Principles in Vehicular Networks and Data Exchange**  
*By Huaqun Guo*  
This book introduces vehicular networks and advanced information technologies applied in the automotive arena, including advanced research on secure remote monitoring and control of vehicles.  
**$195.00 List**  
Product Code: B-HON-002

**Honda R&D Technical Review: October 2008**  
This unique book gives chronicles the top Honda technical developments from April through September 2008. The 21 papers included give rare insight into the Honda’s worldwide R&D team, and cover automotive, motorcycle, power products, and other fundamental technologies.  
**$49.95 List**  
Product Code: B-HON-006

**Forensic Vision with Application to Highway Safety with CD-ROM, 3rd Edition**  
*By Marc Green, Merrill Allen, Bernard S. Abrams, Leslie Weintraub, J. Vernon Odom*  
Written for attorneys, law enforcement personnel, optometrists, highway engineers, automobile manufacturers, legislators, expert witnesses, and other related professionals, this book is your reference for accident cases with a vision component.  
978-1-033264-54-3, 496 pp., 2008.  
**$129.00 List**  
Product Code: B-885

**Intelligent Transport Systems in Europe: Opportunities for Future Research**  
*By Vito Mauro, Richard Hall, Mike McDonald, Oliver Falkler, Job Klijnhout, Angela Spence, Christoph Hecht, Hartmut Koller*  
This book provides valuable insight and critical appraisal of key areas of intelligent transport systems (ITS) for land transport in Europe. The material draws on over four years of study by the ROSETTA project — part of the European Commission 5th Framework Program.  
**$202.00 List**  
Product Code: B-WSP-003

**Introduction to Modern Navigation Systems**  
*By Esmat Bekir*  
This book lays the analytical foundation for understanding and implementing the navigation equations. It also shows how to enhance the performance of the inertial system when aided by the Global Positioning System.  
**$134.00 List**  
Product Code: B-WSP-004
Death Rays, Jet Packs, Stunts and Supercars: The Fantastic Physics of Film’s Most Celebrated Secret Agent

By Barry Parker

Using entertaining sketches and nontechnical language, this book explains the basic physics behind the gadgets, cars, and stunts in a number of Bond films, from the jet packs in Thunderball to the dynamics of daredevil bungee jumping in GoldenEye.


$28.00 List

Product Code: B-916

Automotive Applications of Thermoelectric Systems

This new briefing introduces thermoelectric technology gives an automotive industry overview of TE applications, looking at examples of current R&D and real-world applications, including the latest developments from GM, Faurecia, Purdue University, BMW and Ford. SupplierBusiness BRIEFINGS provide concise, focused information on industry hot topics.

21 pp., PDF Only 2011.

$740.00 List

Product Code: MR-SB-111

Vehicle Security & Access Systems

This exclusive new report looks at the ways in which the market for passive entry and other related technologies have developed. In particular, the report looks at the development of smart keys and additional features that have been added to door latches and locking systems.

40 pp., PDF Only 2009.

$767.00 List

Product Code: MR-AB-003

Infotainment Report 2011

This report assesses key trends in infotainment, and considers many of the market drivers and barriers for the various participants in the infotainment eco-system. It also includes a comprehensive review of infotainment sub-systems and technology, including satellite radio, DAB, HD radio, internet radio, Bluetooth, navigation, telematics, voice recognition and smartphone integration strategies.

142 pp., PDF Only 2011.

$1830.00 List

Product Code: MR-SB-096

Advanced Driver Assistance Systems

This insightful report considers the technologies, applications and OEM implementations that define Advanced Driver Assistance Systems – ADAS. It also examines sensor technologies, liaisons and co-operators around ADAS applications, and new features that are improving road safety.

180 pp., PDF Only 2011.

$1830.00 List

Product Code: MR-SB-123

Cockpits & Dashboards Report

This new briefing introduces thermoelectric technology gives an automotive industry overview of TE applications, looking at examples of current R&D and real-world applications, including the latest developments from GM, Faurecia, Purdue University, BMW and Ford. SupplierBusiness BRIEFINGS provide concise, focused information on industry hot topics.

21 pp., PDF Only 2011.

$740.00 List

Product Code: MR-SB-111

Automotive at CES 2011

This report summarises the key automotive trends at the Consumer Electronics Show, including interviews with key product development heads at Ford, BMW, GM, Mercedes-Benz. In addition, the report looks at the Connected Car market, key areas of development, the trends likely to take hold in 2011, and issues and challenges in the industry.

54 pp., PDF Only 2011.

$740.00 List

Product Code: MR-SB-107

The Hybrids and Plug-In Vehicles Report 2011 Edition

This report looks at current market drivers and includes detailed sections on incentives, hybrid technology, grid technology and charging infrastructures, key OEM strategies, battery technology and energy storage. It also includes detailed profiles of 26 of the leading battery and motor suppliers.

273 pp., PDF Only 2011.

$2110.00 List

Product Code: MR-SB-080


The 2011 edition of this report discusses the key issues currently facing the advanced automotive energy storage sector. It also looks at the evolution of energy storage technologies, analyses major advanced battery suppliers, and discusses market drivers, market development issues, strategic issues. Profiles of 47 key industry suppliers are also included.

259 pp., PDF Only 2011.

$2110.00 List

Product Code: MR-SB-104

Connected Car Report - North America

This report provides a detailed study of the industry including market drivers and barriers, business models and connected car deployment timelines. A review of key OEM implementations by Audi, BMW, Chrysler, Ford, General Motors, Mercedes-Benz, Toyota / Lexus and Volkswagen is also included.

117 pp., PDF Only 2010.

$1830.00 List

Product Code: MR-SB-088

Infotainment Report 2011

This report assesses key trends in infotainment, and considers many of the market drivers and barriers for the various participants in the infotainment eco-system. It also includes a comprehensive review of infotainment sub-systems and technology, including satellite radio, DAB, HD radio, internet radio, Bluetooth, navigation, telematics, voice recognition and smartphone integration strategies.

142 pp., PDF Only 2011.

$1830.00 List

Product Code: MR-SB-096
Automotive Electric and Electronics Systems Report
Automotive electronics offer the single largest growth area for suppliers in the future. This report provides detailed coverage of the market drivers along with in-depth analysis of the latest technologies. Contents cover hardware, software, domain architecture, and outlook. Also included are 40 company profiles. Published by Supplier Business Ltd.
187 pp., PDF Only 2010.
$1830.00 List
Product Code: MR-SB-073

Japanese Battery Suppliers
Analysts are projecting that upwards of 15% of global vehicle demand will be hybrids and EVs by 2020. This SupplierBusiness Briefing looks at current projects at Japanese battery manufacturers, as well as giving a glimpse into the challenges that 2020 may hold for this industry.
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