



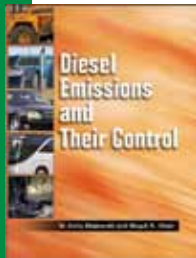
## Particulate Emissions from Vehicles

By Peter Eastwood

Pulling together a wealth of knowledge that is currently only available through journal and conference papers, this book addresses a field of increasing international interest, research activity, and legislation.

ISBN: 978-0-7680-2060-1, 500 pp., Hardbound 2008.

**\$108.00 List Price**  
Product Code R-389



## Diesel Emissions and Their Control

By Magdi K. Khair,  
W. Addy Majewski

This book will assist readers in meeting today's tough challenges of improving diesel engine emissions, diesel efficiency, and public perception of the diesel engine. It can be used as an introductory text, while at the same time providing practical information that will be useful for experienced readers.

ISBN: 978-0-7680-0674-2, 584 pp., Hardbound 2006.

**\$149.95 List Price**  
Product Code R-303

ebook  
available



## Technologies for Near-Zero-Emission Gasoline-Powered Vehicles

By Fuquan Zhao

Written in response to the increasingly stringent emissions legislation, this book provides the reader with a concise introduction to technology developments in near-zero-emission gasoline-powered vehicles.

ISBN: 978-0-7680-1461-7, 480 pp., Hardbound 2006.

**\$119.95 List Price**  
Product Code R-359

ebook  
available



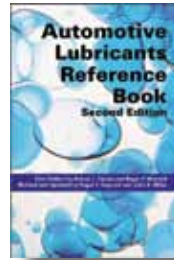
## Handbook of Automotive Engineering

By Ulrich W. Seiffert,  
Hans Hermann Braess

One of the most comprehensive encyclopedias of vehicle systems and design, this book features 1600 pages packed with information on automotive design and applications from over 40 subject matter experts.

ISBN: 978-0-7680-0783-1, 638 pp., Hardbound 2005.

**\$139.95 List Price**  
Product Code R-312



## Automotive Lubricants Reference Book 2nd Edition

By Roger Frederick Haycock,  
Arthur J. Caines, John Hillier

This second edition includes updated and expanded details of the significant changes that the automotive lubricants have undergone since 1996 and provides a solid foundation to this important element of automotive engineering.

ISBN: 978-0-7680-1251-4, 760 pp., Hardbound 2004.

**\$149.95 List Price**  
Product Code R-354



## 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.

ISBN: 978-0-7680-1137-1, 464 pp., Hardbound 2003.

**\$89.99 List Price**  
Product Code R-348



## Improving Air Quality Progress and Challenges for the Auto Industry

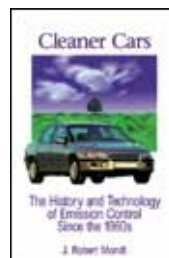
By John K. Pearson

This book describes the present state of knowledge regarding the nature of air pollutants, their sources, and their real and potential effects on health. Featuring in-depth analyses of the air quality improvement programs in both the United States and Europe.

ISBN: 978-0-7680-0236-2, 238 pp., Hardbound 2001.

**\$39.95 List Price**  
Product Code R-232

ebook  
available



## Cleaner Cars The History and Technology of Emission Control Since the 1960s

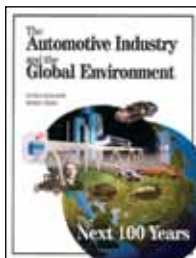
By J. Robert Mondt

This book chronicles the technology that was developed and the progress that was made to achieve the goal of reducing air pollution from automobiles. The author covers both the technological and political aspects of this effort, from the early environmental concerns in California to the Clean Air Acts of the 1960s to the introduction of catalytic converters in 1975. He also covers the revised Clean Air Act of 1990.

0-7680-0222-2, 280 pp., Paperbound 2000.

**\$29.95 List Price**  
Product Code R-226

ebook  
available



ebook  
available

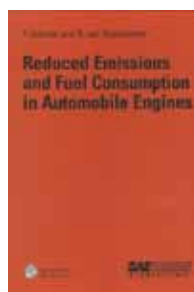
## The Automotive Industry and the Global Environment The Next 100 Years

By William Glaze, Dennis Schuetzle

This book presents an analysis on the potential effects of globalization on the automotive industry and the environment. The authors also present future scenarios for transportation technologies to meet the ever growing global demand for transportation of goods and services while minimizing energy and environmental impacts and maximizing cost, value and widespread acceptance.

ISBN: 978-0-7680-0439-7, 72 pp., Paperbound 1999.

**\$29.95 List Price**  
Product Code R-263



## Reduced Emissions and Fuel Consumption in Automobile Engines

By Fred Schafer,  
Richard van Basshuysen

This book covers the underlying processes which cause pollutant emissions and explores possibilities for their reduction.

ISBN: 978-1-56091-681-9, 206 pp., Hardbound 1995.

**\$5.00 List Price**  
Product Code R-157



ebook  
available

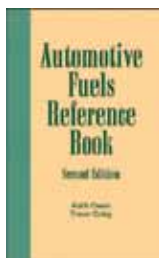
## Emissions and Air Quality

By Christian Cozzarini, Hans P. Lenz

This book evaluates the current worldwide state of knowledge about the interrelationship between emissions and air quality. This study describes the contribution of passenger car and commercial vehicle traffic to local and global emission situations, and the consequences for the environment.

ISBN: 978-0-7680-0248-5, 140 pp., Paperbound 1999.

**\$39.95 List Price**  
Product Code R-237



## Automotive Fuels Reference Book 2nd Edition

By Keith Owen, Trevor Coley

The first edition of this best-selling, widely-used book was published as the Automotive Fuels Handbook in 1990. Since that time, significant progress has been made in fuels technology, and major changes in the industry have occurred.

ISBN: 978-1-56091-589-8, 976 pp., Hardbound 1995.

**\$79.99 List Price**  
Product Code R-151



ebook  
available

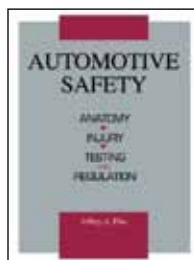
## Emissions From Two-Stroke Engines

By Marco Nuti

In this, the first book devoted entirely to exhaust emissions from two-stroke engines, Nuti examines the technical design issues that will determine how long the two-stroke engine survives into the twenty-first century.

ISBN: 978-0-7680-0215-7, 296 pp., Paperbound 1998.

**\$69.95 List Price**  
Product Code R-223



ebook  
available

## Automotive Safety Anatomy, Injury, Testing, and Regulation

By Jeffrey A. Pike

The increasing importance of safety performance in all aspects of motor vehicle design, development, manufacture and marketing makes it necessary for professionals working in these areas to be more aware of safety considerations.

1-56091-007-0, 184 pp., Paperbound 1990.

**\$79.00 List Price**  
Product Code R-103



ebook  
available

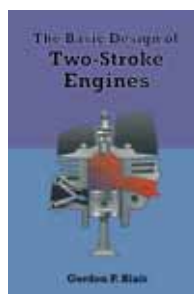
## Scrap Tires Disposal and Reuse

By Robert H. Snyder

This publication details the historical, technological, and economic issues related to the scrap tire industry, and the manner in which the scrap tire problem is addressed. The book provides advice on how scrap tires can be used for fuels, sealants, rubber mats, and more.

ISBN: 978-1-56091-682-6, 166 pp., Paperbound 1998.

**\$29.95 List Price**  
Product Code R-158



ebook  
available

## The Basic Design of Two-Stroke Engines

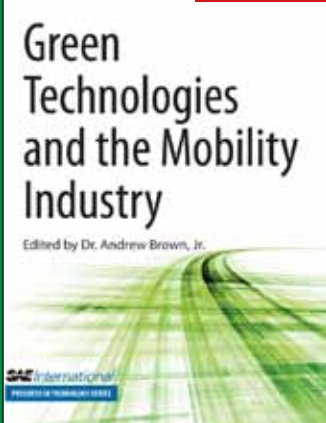
By Gordon P. Blair

This informative publication is a hands-on reference source for the design of two-stroke engines.

1-56091-008-9, 692 pp., Hardbound 1990.

**\$85.00 List Price**  
Product Code R-104

**NEW**



ebook  
available

## Green Technologies and the Mobility Industry

By Dr. Andrew Brown, Jr.

*Green Technologies and the Mobility Industry* features 20 SAE technical papers, originally published in 2009 and 2010, which showcase how the mobility industry is developing greener products and staying responsive – if not ahead of – new standards and legal requirements. These papers were selected by SAE International’s 2010 President Dr. Andrew Brown Jr., Executive Director and Chief Technologist for Delphi Corporation.

Authored by international experts from both industry and academia, they cover a wide range of cutting-edge subjects including powertrain electrification, alternative fuels, new emissions standards and remediation strategies, nanotechnology, sustainability, in-vehicle networking, and how various countries are also stepping up to the “green challenge.”

This book also offers additional useful information: the most recent Delphi Worldwide Emissions Standards booklets, which will be shipped with the print version of this title, or as part of the PDF download, if you purchase the ebook version.

### Exclusive Multimedia Package

Watch Dr. Andrew Brown, Jr. describe the new trends in green mobility.

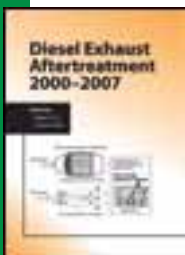
Download a free SAE presentation on green technologies and the mobility industry.

Challenging times: an interview with Dr. Andrew Brown, Jr.

ISBN: 978-0-7680-3494-3, 283 pp., Paperbound 2010.

**\$149.95 List Price**

Product Code PT-146



## Diesel Exhaust Aftertreatment 2000-2007

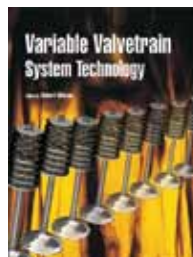
By Federico Millo, Magdi K. Khair

As diesel emission restrictions grow tighter, exhaust aftertreatment technologies must become more efficient and reliable. The 55 SAE technical papers in this compilation will guide engineers in their efforts to meet these new regulations by summarizing the latest diesel exhaust aftertreatment technology for both light- and heavy-duty applications.

ISBN: 978-0-7680-1709-0, 724 pp., Hardbound 2008.

**\$119.95 List Price**

Product Code PT-126



## Variable Valvetrain System Technology

By Robert J. Moran

This reference contains the latest knowledge on vehicle development with CVT powertrains, transmission assembly design and performance, and the design and development of the five major components of CVT technology: launch device, variator systems, geartrains, control systems, and lubrication.

ISBN: 978-0-7680-1685-7, 328 pp., Paperbound 2006.

**\$79.99 List Price**

Product Code PT-122



## Diesel Particulate Filter Technology

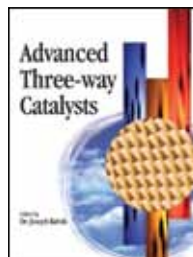
By Timothy V. Johnson

This book covers the latest and most important research in Diesel Particulate Filter (DPF) systems, focusing mainly on the advancements of the years 2002-2006. Editor Timothy V. Johnson selected the top 29 SAE papers covering the most significant research in this technology.

ISBN: 978-0-7680-1707-6, 374 pp., Paperbound 2007.

**\$99.95 List Price**

Product Code PT-124



## Advanced Three-way Catalysts

By Joseph E. Kubsh

The 51 SAE technical papers in this publication include efforts to improve the performance, durability, and cost effectiveness of the catalytic converter systems used on gasoline stoichiometric engines and the integration of these three-way catalysts into sophisticated powertrains capable of operating at near-zero tailpipe emission levels.

ISBN: 978-0-7680-1704-5, 606 pp., Paperbound 2006.

**\$69.99 List Price**

Product Code PT-123



## Combustion & Emission Control for SI Engines Modeling and Experimental Studies

By John H. Johnson

*Combustion & Emission Control for SI Engines: Modeling and Experimental Studies* is a collection of 45 SAE technical papers that covers advanced emission measurements, combustion, exhaust after-treatment systems, fuel and lubricant effects on emissions, modeling of in-cylinder processes, and particle control and measurement.

ISBN: 978-0-7680-1545-4, 693 pp., Paperbound 2005.

**\$29.99 List Price**

Product Code PT-121



## Emission Control and Fuel Economy for Port and Direct Injected SI Engines

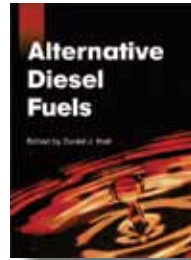
By John H. Johnson

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.

ISBN: 978-0-7680-1121-0, 689 pp., Paperbound 2005.

**\$29.99 List Price**

Product Code PT-91



## Alternative Diesel Fuels

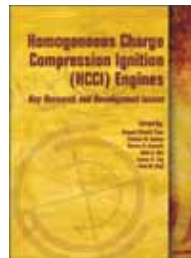
By Daniel J. Holt

With interest in the diesel engine increasing, the challenge lies in accomplishing greenhouse gas reductions while still maintaining the engine's durability. The 25 technical papers in this book discuss the findings and testing procedures used to evaluate alternative fuels and blends.

ISBN: 978-0-7680-1331-3, 320 pp., Paperbound 2004.

**\$49.99 List Price**

Product Code PT-111



## Homogeneous Charge Compression Ignition (HCCI) Engines

By Fuquan Zhao, Thomas N. Asmus, Dennis N. Assanis, John E. Dec, James A. Eng, Paul M. Najt

This book gathers contributions from experts in both industry and academia, providing a basic introduction to the state-of-the-art of HCCI technology, a critical review of current HCCI research and development efforts, and perspective for the future. Each chapter also features select SAE papers (a total of 41 are included in the book), as well as a comprehensive list of references related to the subjects.

ISBN: 978-0-7680-1123-4, 646 pp., Hardbound 2003.

**\$69.99 List Price**

Product Code PT-94

### Buy the Set and Save!

PT-91

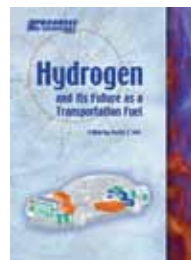
## Emissions Control and Fuel Economy for Port and Direct Injected SI Engines

PT-121

## Combustion & Emission Control for SI Engines

**\$49.99 List Price**

Product Code PT-91.SET



## Hydrogen and Its Future as a Transportation Fuel

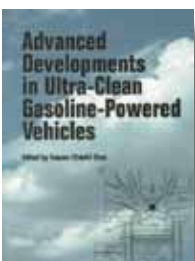
By Daniel J. Holt

This book collects 43 SAE technical papers covering the five years (1998-2002) of research on the uses of hydrogen as a transportation fuel. Contents Include: Hydrogen Issues, internal Combustion Engines, Diesel Engines, Hybrid Vehicles, Fuel Cells and Hydrogen Storage and Generation.

ISBN: 978-0-7680-1128-9, 200 pp., Paperbound 2003.

**\$79.99 List Price**

Product Code PT-95



## Advanced Developments in Ultra-Clean Gasoline-Powered Vehicles

By Fuquan Zhao

This book is organized into 14 chapters and contains 53 technical papers. Each chapter begins with an overview of the chapter topic authored by an expert in the subject field, followed by the related SAE technical papers.

ISBN: 978-0-7680-1420-4, 700 pp., Hardbound 2004.

**\$9.99 List Price**

Product Code PT-104



## 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.

ISBN: 978-0-7680-4851-3, 1,266 pp., Paperbound 2011.

**\$49.95 List Price**

Product Code: BOSCH8



## Diesel Nitrogen Oxide Emissions Landmark Research 1995-2001

By John H. Johnson

Diesel Nitrogen Oxide Emissions: Landmark Research 1995-2001 is based on extensive SAE literature from the past six years and is the first SAE Progress in Technology book published on the topic of measurement and control of diesel nitrogen oxide emissions. The 45 papers in this book have been chosen as the most valuable on this topic.

ISBN: 978-0-7680-1067-1, 552 pp., Paperbound 2002.

**\$5.00 List Price**

Product Code PT-89



## Diesel Particulate Emissions Landmark Research 1994-2001

By John H. Johnson

Diesel Particulate Emissions: Landmark Research 1994-2001 contains the latest research and development findings that will help guide engineers to achieve low particulate emissions from future engines. Based on extensive SAE literature from the past seven years, the 45 papers in this book have been selected from the SAE Transactions Journals.

ISBN: 978-0-7680-0998-9, 550 pp., Hardbound 2002.

**\$5.00 List Price**

Product Code PT-86

### Buy the Set and Save!

PT-86

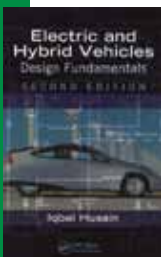
**Diesel Particulate Emissions**

PT-89

**Diesel Nitrogen Oxide Emissions**

**\$9.99 List Price**

Product Code PT-89.SET



## Electric & Hybrid Vehicles: Design Fundamentals 2nd Edition

By Iqbal Husain

Thoroughly updated to encompass the significant technological advances since the publication of the first edition, this second edition presents the design fundamentals, component sizing, and systems interactions of alternative vehicles. The author emphasizes technical details, mathematical relationships, and design guidelines throughout the text.

ISBN: 978-1-4398117-5-7, 523 pp., Hardbound 2010.

**\$99.95 List Price**

Product Code B-881



## Plastics and the Environment

By Francis Gardiner,  
Eleanor Garmson

This book provides readers with a look into the environmental issues of plastics products throughout the complete product lifecycle, from material selection to product design to recycling. Written by some of the leading researchers and practitioners on this topic, it is a distinctive look at how to maximize profitability through environmental compliance in the plastics supply chain.

ISBN: 978-1-84735-491-4, 142 pp., Hardbound 2010.

**\$165.00 List Price**

Product Code B-RAP-004



## 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.

ISBN: 978-0-7680-5730-0, 207 pp., 2010.

ebook  
only

**\$100.00 List Price**

Product Code B-HON-002



## Honda R&D

**Technical Review: October 2009**

The 25 papers included in this e-book chronicle the best of Honda's documented technical advancements from April through October 2009 and cover automotive, motorcycle, power products, and other fundamental technologies. Full-color diagrams complement the text.

ISBN: 978-0-7680-5728-7, 181 pp., 2009.

ebook  
only

**\$100.00 List Price**

Product Code B-HON-001



## 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.

ISBN: 978-1-4200539-8-2, 557 pp., Hardbound 2009.

**\$129.95 List Price**

Product Code B-884



## Honda R&D Technical Review: April 2009

This unique book gives rare insight into the work 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.

ISBN: 978-0-7680-2162-2, 246 pp., Paperbound 2009.

ebook  
only

**\$49.95 List Price**  
Product Code B-HON-007



## Honda R&D Technical Review: April 2008

This unique book chronicles the top Honda technical developments from October 2007 through March 2008. The 25 papers included give rare insight into the Honda's worldwide R&D team, and cover automotive, motorcycle, power products, and other fundamental technologies. Full-color diagrams complement the text.

ISBN: 978-0-7680-2068-7, Paperbound 2008.

ebook  
only

**\$49.95 List Price**  
Product Code B-HON-005



## System Innovation for Sustainability 2

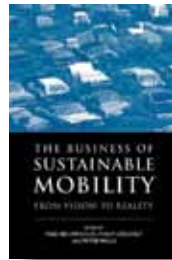
*By Theo Geerken, Mads Borup*

This book focuses on the movement towards sustainable personal mobility, using case studies analyzed from a system perspective to examine the changes required to increase sustainability. Three major problem areas are considered: carbon emissions and the growing contribution of mobility to the climate change crisis, congestion, and casualties.

ISBN: 978-1-907643-16-3, 184 pp., 2009.

ebook  
only

**\$65.00 List Price**  
Product Code B-GRE-001



## The Business of Sustainable Mobility From Vision to Reality

*By Paul Nieuwenhuis, Philip Vergragt, Peter Wells*

This book brings together a range of views representing both leading-edge thinking and best practices in the mobility sector, with the individual expert contributions framing a broader vision of future mobility. This book breaks through the conventional boundary between engineering and the social sciences, and the contributors represent both sides of this divide.

ISBN: 978-1-907643-15-6, 258 pp., 2006.

ebook  
only

**\$75.00 List Price**  
Product Code B-GRE-002



## Journals

The Journal Set included these seven titles:

- SAE International Journal of Aerospace
- SAE International Journal of Commercial Vehicles
- SAE International Journal of Engines
- SAE International Journal of Fuels and Lubricants
- SAE International Journal of Materials and Manufacturing
- SAE International Journal of Passenger Cars – Mechanical Systems
- SAE International Journal of Passenger Cars – Electronic and Electrical Systems

[sae.org/journals](http://sae.org/journals)

**SAE International**

P100523



## Tyre Recycling

By V. L. Shulman

This is an expert overview on the topic of tire recycling. It summarizes current practices and the factors that have contributed to their growth and efficacy as viable, economically and environmentally sound methods of dealing with post-consumer tires. The report, primarily based upon information from the EU, also explores innovative alternatives available to simply disposing of tires.

ISBN: 978-1-85957-489-8, 144 pp., Paperbound 2004.

**\$153.00 List Price**

Product Code B-RAP-003



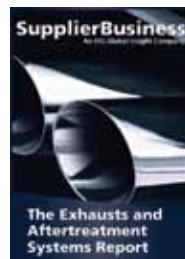
## Motorcycles Vehicle Inspection Handbook

Written by the American Association of Motor Vehicle Administrators (AAMVA), in partnership with the Canadian Council of Motor Transport Administrators (CCMTA), this book is now available through the SAE International Bookstore. Published by American Association of Motor Vehicle Administrators. Distributed by SAE International.

34 pp., Paperbound 1999.

**\$29.99 List Price**

Product Code B-840



## The Exhausts and After Treatment Systems Report

This report looks at the current drivers and future trends in this crucial sector. The current state of the market is examined along with global emissions control regulations and an equipment overview of exhausts and after-treatment systems. The report profiles 18 of the key players in this market segment. Published by Supplier Business Ltd.

132 pp., 2010.

**\$1835.00 List Price**

Product Code MR-SB-062

ebook  
only



## Passenger Vehicles and Light Trucks Vehicle Inspection Handbook

Written by the American Association of Motor Vehicle Administrators (AAMVA), in partnership with the Canadian Council of Motor Transport Administrators (CCMTA). Published by American Association of Motor Vehicle Administrators. Distributed by SAE International.

74 pp., Paperbound 1999.

**\$19.99 List Price**

Product Code B-837



## Trucks, Buses, & Trailers Vehicle Inspection Handbook

Written by the American Association of Motor Vehicle Administrators (AAMVA), in partnership with the Canadian Council of Motor Transport Administrators (CCMTA), this handbook is now available through the SAE International Bookstore. Published by American Association of Motor Vehicle Administrators. Distributed by SAE International.

170 pp., Paperbound 1999.

**\$39.99 List Price**

Product Code B-838

## Interviews of Leading SAE Authors

Listen to interesting and insightful conversations with new and best-selling SAE International book authors.

Watch the videos to hear their insight behind the books they wrote and gain more of their expertise on the topic.



View the latest Author Interviews at  
<http://books.sae.org/resources/authorinterviews.htm>

**SAE International**

P110452

Stop back regularly as more interviews are added!