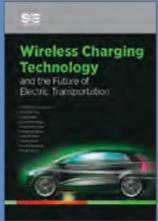


HIGHLIGHTS

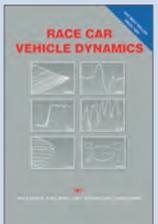


WIRELESS CHARGING TECHNOLOGY And the Future of Electric Transportation

In-Soo Suh
Jul 2015 224pp
9780768081534 Hardback
£79.95 / €110.00

Around the world, the major automakers are developing their strategies for conductive and wireless charging technologies, with concerted efforts to establish technical standards on wireless electric vehicle charging, mainly focused on the safety considerations and inter-operability.

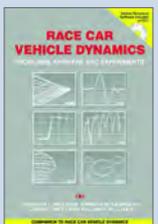
Focusing on the applications of WPT technology to electric vehicle charging and the future green transportation field, *Wireless Charging Technology and the Future of Electric Transportation* was written collaboratively by nine experts in the field, led by Dr. In-Soo Suh, a professor and researcher from the Korean Advanced Institute of Technology (KAIST).



KEY BESTSELLER RACE CAR VEHICLE DYNAMICS

William F. Milliken & Douglas L. Milliken
1995 918pp
9781560915263 Hardback
£75.50 / €99.00

Written for the engineer as well as the race car enthusiast, *Race Car Vehicle Dynamics* includes much information that is not available in any other vehicle dynamics text. Truly comprehensive in its coverage of the fundamental concepts of vehicle dynamics and their application in a racing environment, this book has become the definitive reference on this topic. Although the primary focus is on the race car, the engineering fundamentals detailed are also applicable to passenger car design and engineering.



RACE CAR VEHICLE DYNAMICS Problems, Answers and Experiments

Douglas L. Milliken et al
2003 294pp
9780768011272 Paperback
£67.50 / €95.00

A companion workbook to the original classic book, *Race Car Vehicle Dynamics*. It includes:

- Detailed worked solutions to all of the problems
- Problems for every chapter in *Race Car Vehicle Dynamics*, including many new problems
- The Race Car Vehicle Dynamics Program Suite (for Windows) with accompanying exercises
- Experiments to try with your own vehicle
- Educational appendix with additional references and course outlines
- Over 90 figures and graphs



RACE CAR VEHICLE DYNAMICS BOOK AND PROBLEMS, ANSWERS AND EXPERIMENTS SET

William F. Milliken et al
2003 990pp
9780768001211 Hardback
£135.00 / €190.00

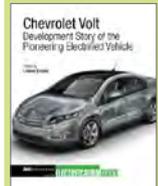
GREEN TECHNOLOGY

ALTERNATIVE CARS IN THE 21ST CENTURY

A New Personal Transportation Paradigm

Robert Q. Riley
2003 514pp
9780768008746 Hardback £25.50 / €36.00

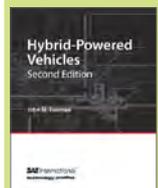
The rapidly changing landscape of alternative car technologies created the need for the second edition of *Alternative Cars in the 21st Century: A New Personal Transportation Paradigm*. This essential publication provides an abundance of critical knowledge for engineering professionals and consumers alike, offering a brighter alternative future through better alternative cars.



CHEVROLET VOLT Development Story of the Pioneering Electrified Vehicle

Lindsay Brooke
2011 224pp
9780768047653 Hardback
£105.00 / €145.00

Presents the most complete design and engineering story available anywhere about this ground breaking vehicle. It also introduces you to the engineering team and how they made the world's first production extended-range electric vehicle a reality.



HYBRID-POWERED VEHICLES Second Edition

John German
2011 140pp
9780768034974 Paperback
£170.00 / €235.00

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.

CHASSIS DESIGN Principles and Analysis

William F. Milliken & Douglas L. Milliken
2002 676pp
9780768008265 Hardback £79.95 / €110.00

Based on Maurice Olley's technical writings, this is the first complete presentation of his life and work, and provides insight into the development of chassis technology and its practical application by a master.

CHRYSLER ENGINES, 1992-1998

Willem L. Weertman
2007 438pp
9780768016420 Hardback £67.50 / €95.00

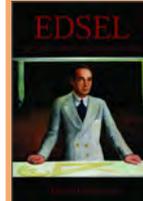
Chronicles over 75 years of engine design, development, and production at Chrysler Corporation, with descriptions, pictures, specifications and timelines provided for every production engine built.

THE EVOLUTION OF AUTOMOTIVE TECHNOLOGY A Handbook

Gijs Mom
Mar 2015 360pp
9780768080278 Hardback £67.50 / €95.00

Covers 125 years of the automobile, conceived as a cultural history of its technology, aimed at engineering students and all those who wish to have a concise introduction into the basics of automotive technology and its long-term development.

HISTORY & EVOLUTION



EDSEL The Story of Henry Ford's Forgotten Son

Henry L. Dominguez
2002 470pp
9780768009200 Hardback
£33.95 / €48.00

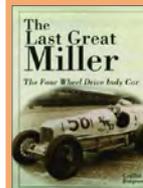
Carefully crafted from thousands of Ford archives, written interviews, and first-hand accounts told by people who knew the man.



HALL-SCOTT The Untold Story of a Great American Engine Maker

Ric A. Dias & Francis H. Bradford
2007 416pp
9780768016604 Hardback
£33.95 / €48.00

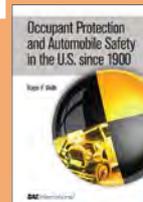
Author Francis Bradford, a former Hall-Scott engineer, provides valuable resources and insight not available to any other Hall-Scott researcher. Well-illustrated with numerous photos, drawings, and memos, this fascinating book will be of interest to history buffs in the areas of aviation, rail, marine, trucks, buses, fire equipment, and industrial engines, and to World War and military historians.



THE LAST GREAT MILLER The Four-Wheel-Drive Indy Car

G. Clarke Borgeson
2000 346pp
9780768005004 Hardback
£33.95 / €48.00

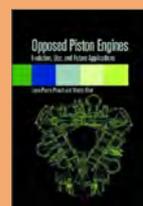
Utilizing an extraordinary historical archive, this book contains more than one hundred photos, as well as the text of over one hundred original letters (many written by Miller himself) about the car's development. *The Last Great Miller* brings to life the history of this unique model of race car.



OCCUPANT PROTECTION AND AUTOMOBILE SAFETY IN THE U.S. SINCE 1900

Roger F. Wells
2012 256pp
9780768035292 Hardback
£50.50 / €71.00

Provides a historical review of safety features appearing on passenger cars that have been produced for sale in the U.S. from 1900 to the present. A main theme throughout is the impact the automobile has made on society, with particular emphasis on accidents and loss of life; another is the technological advances that have contributed to safer driving.



OPPOSED PISTON ENGINES Evolution, Use, and Future Applications

Jean-Pierre Pirault & Martin Flint
2009 576pp
9780768018004 Hardback
£75.95 / €110.00

Explores the opposed piston (OP) engine, a model of power and simplicity, and provides the first comprehensive description of most opposed piston (OP) engines from 1887 to 2006. Design and performance details of the major types of OP engines in stationary, ground, marine, and aviation applications are explored and their evolution traced.



ANALYSIS TECHNIQUES FOR RACECAR DATA ACQUISITION
Second Edition

Jorge Segers
2014 534pp
9780768064599 Hardback
€92.50 / €130.00

Examines techniques for analyzing data recorded by any vehicle's data acquisition system. It details how to measure the performance of the vehicle and driver, what can be learned from it, and how this information can be used to advantage next time the vehicle hits the track. Such information is invaluable to racing engineers and managers, race teams, and racing data analysts in all motorsports.

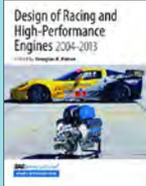


CHEVROLET - RACING? Fourteen Years of Raucous Silence! 1957-1970

Paul Van Valkenburgh
2000 330pp
9780768005295 Hardback
€16.95 / €24.00 / €19.99

The sole published expose of one of racing's most famous secret activities.

Originally published in 1972, *Chevrolet-Racing?* reveals the inside story of Chevrolet's early surreptitious involvement in racing, from 1957-1970.



DESIGN OF RACING AND HIGH-PERFORMANCE ENGINES 2004-2013

Douglas Fehan
2013 146pp
9780768079838 Paperback
€92.50 / €130.00

A collection of technical papers from the SAE archive that will inspire readers to use race engine development as an important tool in the future of transportation. He focuses on several topics that are important to future race engine design: electrification, materials and processes, and improved technology.

DEVELOPMENTS IN MODERN RACECAR DRIVER CRASH PROTECTION AND SAFETY-ENGINEERING BEYOND PERFORMANCE

John W. Melvin & J. Kirk Russell
2013 180pp
9780768080261 Paperback €92.50 / €130.00

Comprises selected technical papers that document the development and implementation of key motorsports safety technologies now in use. It is intended to provide racing professionals and enthusiasts with a concise overview of the significant engineering developments in motorsports driver safety that has occurred during the past two decades.

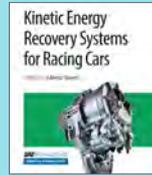
ENGINE DESIGN CONCEPTS FOR WORLD CHAMPIONSHIP GRAND PRIX MOTORCYCLES

Alberto Boretti
2012 80pp
9780768077995 Paperback €75.50 / €110.00

Developed especially for racing enthusiasts by motorsports engineering expert Dr. Alberto Boretti, this provides a broad view of World Championship Grand Prix motorcycle racing and vehicles, but is primarily focused on the design of four-stroke engines for the MotoGP class.

FORMULA 1 TECHNOLOGY

Peter G. Wright & Tony Matthews
2001 454pp
9780768002348 Hardback €50.00 / €71.00
Identifies and outlines five parameters - Power, Weight, Tire Grip, Drag and Lift - and shows how each can be maximized. The author describes the variety of technologies that are involved in the makeup of Formula 1 cars, the component manufacturing, systems testing and the actual racing.



KINETIC ENERGY RECOVERY SYSTEMS FOR RACING CARS

Alberto Boretti
2013 56pp
9780768079944 Paperback
€33.95 / €48.00

A kinetic energy recover system (KERS) captures the kinetic energy that results when brakes are applied to a moving vehicle. The recovered energy can be stored in a flywheel or battery and used later, to help boost acceleration. This book details the theory behind the KERS concept.

THE RACING AND HIGH-PERFORMANCE TIRE Using the Tires to Tune for Grip and Balance

Paul W. Haney
2003 286pp
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Based on 15 years of research, this book provides new insight into topics such as the complexity of rubber, how a pneumatic tire generates grip, and how to tune grip and balance using the load sensitivity of tires.

TIRES, SUSPENSION AND HANDLING Second Edition

John C. Dixon
1996 636pp
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Provides coverage of the theory and practice of vehicle cornering and handling, and includes unique information on suspension analysis, understeer/oversteer, bump steer and roll steer, roll centers, limit handling, and aerodynamics.

WE WERE THE RAMCHARGERS Inside Drag Racing's Legendary Team

David Rockwell
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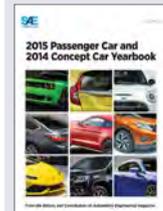
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2016 PASSENGER CAR AND 2015 CONCEPT CAR YEARBOOK

From the Editors and Contributors of Automotive Engineering magazine
Jan 2016 220pp
9780768082745 Paperback €35.95 / €48.00
Carmakers release new models every year with advanced technology to attract consumer interest and to satisfy increasingly stringent government regulations. Some of these technologies are firsts or leading-edge, and they start trends that more companies will soon follow. Snapshots of the direction of the automotive industry, along with OEM and supplier perspectives, are presented in these articles that have been collected by the Editors of Automotive Engineering whose aim is to provide the reader with a complete overview of the key advances that took place over the course of one model year.



2015 PASSENGER CAR AND 2014 CONCEPT CAR YEARBOOK

From the Editors and Contributors of Automotive Engineering magazine
2014 178pp
9780768081589 Paperback
€53.95 / €48.00

Explores the newest and most technically interesting production vehicles released for the 2015 model year. In addition, it also includes a recap of the concept cars revealed in 2014.



2014 PASSENGER CAR YEARBOOK AND CONCEPT CAR YEAR IN REVIEW: 2013

Two Volume Set
The Editors of Automotive Engineering International
2014 268pp

9780768081121 Paperback €31.50 / €45.00
Details the key engineering developments in the passenger vehicle industry in the past year and provides insight to the key ideas that were introduced in concept and prototype cars during that year.



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2014 354pp
9780768081107 Paperback
€31.95 / €45.00

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