

# SAE-A PUBLICATIONS ORDER SERVICE

Level 2, 70 Dorcas Street, Southbank Vic 3006  
Tel: (03) 9696 5190 Fax: (03) 9696 5865  
[www.sae-a.com.au](http://www.sae-a.com.au) Email: [rose@sae-a.com.au](mailto:rose@sae-a.com.au)



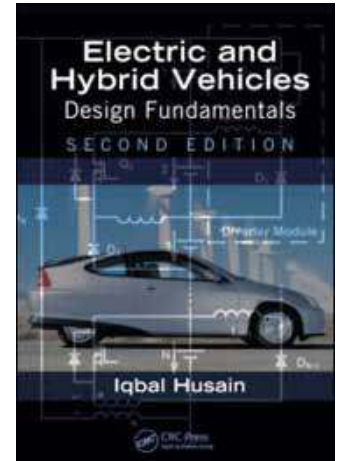
## ELECTRIC & HYBRID VEHICLES: DESIGN FUNDAMENTALS 2<sup>ND</sup> Edition

AUTHOR(S): Iqbal Husain

Order No. B-881

### New Book

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. This new edition of a widely praised, bestselling textbook maintains the comprehensive, systems-level perspective of electric and hybrid vehicles while covering the hybrid architectures and components of the vehicle in much greater detail. The author emphasizes technical details, mathematical relationships, and design guidelines throughout the text.



#### New to the Second Edition:

- New chapters on sizing and design guidelines for various hybrid architectures, control strategies for hybrid vehicles, powertrain component cooling systems, and in-vehicle communication methods
- New sections on modeling of energy storage components, tire-road force mechanics, compressed air-storage, DC/DC converters, emission control systems, electromechanical brakes, and vehicle fuel economy
- Reorganization of power electronics, electric machines, and motor drives sections
- Enhanced sections on mechanical components that now include more technical descriptions and example problems
- An emphasis on the integration of mechanical and electrical components, taking into account the interdisciplinary nature of automotive engineering

Published By: CRC Press, August 2010, 523 pages, Hardbound **List \$141.00 (SAE-A & SAE Joint member \$126.90)**

### ORDER FORM

Mail order to: SAE-A Publications Order Services  
Level 2, 70 Dorcas Street  
Southbank Vic 3006

For enquiries:  
Tel: (03) 9696 5190  
Fax: (03) 9696 5865

Email Order with credit card details to:  
E-mail: [rose@sae-a.com.au](mailto:rose@sae-a.com.au)  
Website: [www.sae-a.com.au](http://www.sae-a.com.au)

Qty	Order No.	Title	Price Each	Total Price
	B-881	Electric & Hybrid Vehicles: Design Fundamentals, 2 <sup>nd</sup> Ed		

Postage and Handling (Australia) \$16.50

Subtotal \_\_\_\_\_

+ Credit card surcharge fee \_\_\_\_\_

**TOTAL** \_\_\_\_\_

**TO PAY BY EFT:** Commonwealth Bank of Australia  
BSB: 063 001 ACCOUNT: 942060  
ACCOUNT NAME: Society of Automotive Engineers A/Asia  
Please fax EFT remittance (03) 9696 5865 or  
email [rose@sae-a.com.au](mailto:rose@sae-a.com.au)

Name..... Membership No.....

Company.....

Address.....

Suburb.....State.....P/Code.....

Phone..... Email.....

Cheque or money order enclosed ( )

Charge my VISA  Mastercard  AMEX  *A credit card surcharge fee of 2% Visa / Mastercard & 3% Amex will be added to total*

Card Number..... Expiry Date.....

Cardholder Name.....Signature.....