

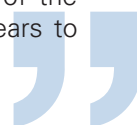
encyclopedia of **automotive** engineering



It is an honour to have the opportunity to introduce the world's first *Encyclopedia of Automotive Engineering* on behalf of FISITA, the world body for automotive engineers.

With more than 200 articles spread across nine parts, this ambitious reference work reflects the extraordinary diversity of technologies, techniques and engineering competencies which go into the development of today's automobiles.

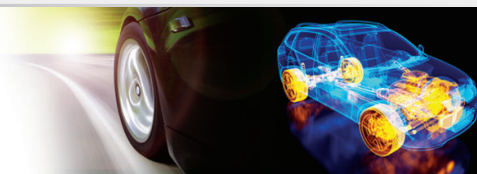
Our sincere thanks go to every author, editor and member of the FISITA and Wiley teams who worked for more than three years to bring this project to fruition.



Ian Dickie

Former Chief Executive, FISITA
London

encyclopedia of **automotive** engineering



The *Encyclopedia of Automotive Engineering* provides for the first time a large, unified knowledge base laying the foundation for advanced study and in-depth research. Through extensive cross-referencing and search functionality it provides a gateway to detailed but scattered information on best industry practice, engendering a better understanding of interrelated concepts and techniques that cut across specialized areas of engineering. Beyond traditional automotive subjects the Encyclopedia addresses green technologies, the shift from mechanics to electronics, and the means to produce safer, more efficient vehicles within varying economic restraints worldwide.

The work comprises nine main parts:

1. Engines: Fundamentals
2. Engines: Design
3. Hybrid and Electric Powertrains
4. Transmission and Driveline
5. Chassis Systems
6. Electrical and Electronic Systems
7. Body Design
8. Materials and Manufacturing
9. Intelligent Transport Systems

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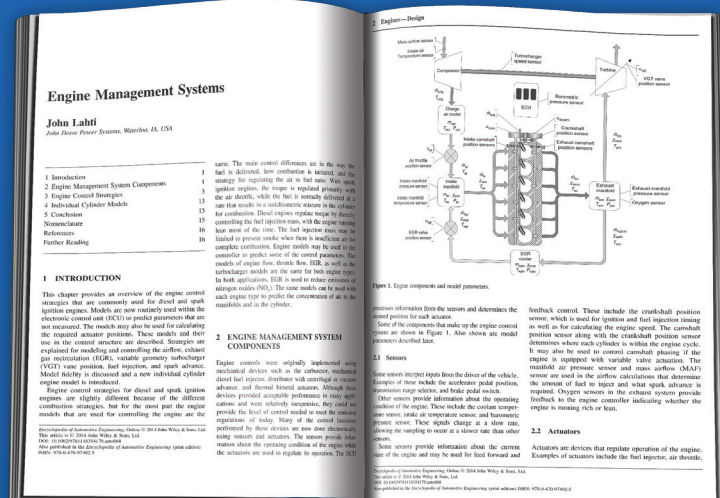




- Authoritative coverage of the wide-ranging specialist topics encompassed by automotive engineering
- An accessible point of reference for entry level engineers and students who require an understanding of the fundamentals of technologies outside of their own expertise or training
- Invaluable guidance to more detailed texts and research findings in the technical literature
- Developed in conjunction with FISITA, the umbrella organisation for the national automotive societies in 37 countries around the world and representing more than 185,000 automotive engineers
- Available both as a fully searchable, updating online resource, and in a print edition (publishing January 2015) comprising six volumes and over 4,000 pages

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