



# Engineering Your Future: An Australasian Guide

*By David Dowling, Anna Carew, Roger Hadgraft*

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Engineering Your Future: An Australasian Guide is the ideal text for undergraduate students beginning their Engineering studies, as the following testimonials from academia and industry reveal:

"Alone among introductory texts, this book will engage the undergraduate engineering student directly with what it means to be a contemporary engineer in Australia and New Zealand. There is a strong and practical emphasis on developing the range of communication and decision-making skills that are essential for tackling engineering problems. Throughout the text and its accompanying exercises and problems, students are encouraged to reflect on - and thereby improve - their learning practices. The book, and a course based on it, would be very valuable for every engineering student."

**Emeritus Professor Robin King, author of 'Engineers for the Future', the report of the 2007-8 review of Australian engineering education, undertaken on behalf of the Australian Council of Engineering Deans.**

"This is a superb text for the increasing number of courses in Australasian first year engineering programmes aimed at introducing students to engineering and the characteristics of the 'engineering method'. The well researched, topical, and regionally focussed examples graphically demonstrate the role and responsibilities of a professional engineer, whilst simultaneously conveying fascination and enthusiasm for the profession. The depth of coverage of the content, particularly on ethics, project management and sustainability enhance the relevance of this text throughout the degree programme."

**Elizabeth Godfrey Ph D, CIPENZ, President, Australasian Association for Engineering Education**

"This is an excellent textbook that every aspiring and current undergraduate engineering student in the Australasian region should read. Its scope spans from explaining what engineering actually is, to what skills students need to develop to be a practicing engineer, through to the future for engineering and engineers. Many contemporary examples of engineering projects are highlighted across the

broad range of engineering disciplines, with an emphasis on sustainability, ethical practice and effective communication. Numerous exercises and project activities will encourage students to put the principles the text outlines into practice."

**Professor Doug Hargreaves** Head of School of Engineering Systems,  
Queensland University of Technology and Deputy National President of  
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