From typical metrology parameters for common wireless and microwave components to the implementation of measurement benches, this introduction to metrology contains all the key information on the subject. Using it, readers will be able to:

- Interpret and measure most of the parameters described in a microwave component's datasheet
- Understand the practical limitations and theoretical principles of instrument operation
- Combine several instruments into measurement benches for measuring microwave and wireless quantities.

Several practical examples are included, demonstrating how to measure intermodulation distortion, error vector magnitude, S-parameters and large signal waveforms. Each chapter then ends with a set of exercises, allowing readers to test their understanding of the material covered and making the book equally suited for course use and for self-study.

Lightweight Electric/Hybrid Vehicle Design, covers the particular automotive design approach required for hybrid/electrical drive vehicles. There is currently huge investment world-wide in electric vehicle propulsion, driven by concern for pollution control and depleting oil resources. The radically different design demands of these new vehicles requires a completely new approach that is covered comprehensively in this book. The book explores the rather dramatic departures in structural configuration necessary for purpose-designed electric vehicle including weight removal in the mechanical systems. It also provides a comprehensive review of the design process in the electric hybrid drive and energy storage systems. Ideal for automotive engineering students and professionals Lightweight Electric/Hybrid Vehicle Design provides a complete introduction to this important new sector of the industry. comprehensive coverage of all design aspects of electric/hybrid cars in a single volume packed with case studies and applications in-depth treatment written in a text book style (rather than a theoretical specialist text style)
Concentrated treatment of all aspects of technology and handling directly related to the products of electrolysis. Thoroughly up to date and should become the standard reference in its field.

Cognitive Task Analysis (CTA) helps researchers understand how cognitive skills and strategies make it possible for people to act effectively and get things done. CTA can yield information people need—employers faced with personnel issues, market researchers who want to understand the thought processes of consumers, trainers and others who design instructional systems, health care professionals who want to apply lessons learned from errors and accidents, systems analysts developing user specifications, and many other professionals. CTA can show what makes the workplace work—and what keeps it from working as well as it might. Working Minds is a true handbook, offering a set of tools for doing CTA: methods for collecting data about cognitive processes and events, analyzing them, and communicating them effectively. It covers both the "why" and the "how" of CTA methods, providing examples, guidance, and stories from the authors' own experiences as CTA practitioners. Because effective use of CTA depends on some conceptual grounding in cognitive theory and research—on knowing what a cognitive perspective can offer—the book also offers an overview of current research on cognition. The book provides detailed guidance for planning and carrying out CTA, with chapters on capturing knowledge and capturing the way people reason. It discusses studying cognition in real-world settings and the challenges of rapidly changing technology. And it describes key issues in applying CTA findings in a variety of fields. Working Minds makes the methodology of CTA accessible and the skills involved attainable.
Each new edition lists approximately 43,000 libraries in more than 200 countries with details of their current addresses and an inventory of their present holdings.

This book provides an overview and analysis of current tensions, debates and key issues within OECD nations, particularly Australia, the USA, Canada and the UK, with regard to where education is and should be going. Using a broad historical analysis, it investigates ideas and visions about the future that are increasingly evoked to support arguments about the imminent demise of the dominant modern educational model. Focusing neither on prediction nor prescription, this text suggests the goal is an analysis of the ways in which the notion of the future circulates in contemporary discourse. Five specific discourses are explored: globalisation; new information and communications technologies; feminist; indigenous; and spiritual. The book demonstrates the connections between particular approaches to time, visions of the future, and educational visions and practices. The author asserts that every approach to educational change is inherently based on an underlying image of the future.