

techniques and processes, as well as legal aspects such as contracts and procurement. It has been updated with more than 600 new entries spanning subjects such as sustainability, new technologies, disaster management, and building software. New additions include terms such as Air source heat pump, hydraulic failure, mechanical ventilation with heat recovery, off-site construction, predictive performance, sustainable development, and value engineering. Useful diagrams and web links complement the text, which also includes suggestions for further reading. With contributions from more than 130 experts from around the world, this dictionary is an authoritative resource for engineering students, construction professionals, and surveyors.

Das umfangreich illustrierte deutsch-englische Taschenwörterbuch umfaßt nahezu vollständig das Grundvokabular des Maschinenbauers und bietet speziell dem Ingenieur auf Reisen eine praktische und schnelle Hilfe. Der ausführliche Anhang enthält viele technische Redewendungen und Satzphrasen für Fach- und Alltagsgespräche.

This reference manual provides a list of approximately 300 technical terms and phrases common to environmental engineering which non-English speakers often find difficult to understand in English. Chapter 3 lists the terms and phrases in alphabetical order, followed by a concise English definition, then a translation of the term in French and, finally, an interpretation or translation of the term or phrase in French. Following the French translations section, the columns are reversed in Chapter 4 and reordered alphabetically in French with the English term and translation following the French term or phrase. The objective is to provide a technical term reference manual for non-English speaking students and engineers who are familiar with French, but uncomfortable with English and to provide a similar reference for English speaking students and engineers working in an area of the world where the French language predominates. Complete coverage of all fields of electrical engineering. The book provides workable definitions for practicing engineers, while serving as a reference and research tool for students, and offering practical information for scientists and engineers in other disciplines. Areas examined include applied electrical, microwave, control, power, and digital systems engineering, plus device electronics.

Biomedical engineering is one of the most prominent and rapidly developing engineering fields. It is a discipline that is involved in the development of devices, algorithms, processes, procedures and systems to enhance and improve the medical field. Biomedical engineering has multiple areas of specialization that include: biomechanics, biomaterials, tissue engineering, imaging, and bioinstrumentation. This book serves as a guide to students and professionals seeking to understand commonly used technical terms and phrases in the biomedical engineering field. The content is specifically designed to define technical terms in a general context to facilitate an overall understanding. The author begins by translating terms in English to Arabic then Arabic to English. This text can be used as a tool in the academic or professional environment for both English speaking and non-English speaking individuals alike.

Environmental Engineering Dictionary is a comprehensive reference of more than 14,000 technical and regulatory engineering terms that are used in pollution control technologies, monitoring, risk assessment, sampling and analysis, quality control, and environmental engineering and technology. Not only are many newly created terms included in this edition, but the original definitions have also been thoroughly revised to keep pace with the rapid changes in technology. Fuel cell technology terms, special definitions that focus on environmental management systems, and basic environmental calculations have also been added to this edition. Users of this dictionary will find exact and official Environmental Protection Agency definitions for environmental terms that are statute related, regulation related, science related, and engineering related, including terms from the following legal documents: Clean Air Act; Clean Water Act; CERCLA; EPCRA; Federal Facility Compliance Act; Federal Food, Drug, and Cosmetic Act; FIFRA; Hazardous and Solid Waste Amendment; OSHA; Pollution Prevention Act; RCRA; Safe Drinking Water Act; Superfund Amendments and Reauthorization Act; and TSCA. The terms included in this dictionary feature timesaving citations to the definitions' sources, including the Code of Federal Regulations, the Environmental Protection Agency, and the Department of Energy. A list of the reference source documents is also included.

This dual-language dictionary lists over 20,000 specialist terms in both French and English, covering architecture, building, engineering and property terms. It meets the needs of all building professionals working on projects overseas. It has been comprehensively researched and compiled to provide an invaluable reference source in an increasingly European marketplace.

This book is part of a tri-lingual dictionary of production engineering compiled under the auspices of the International Institution of Production Engineering Research (C.I.R.P.) headquartered in Paris. The first two volumes contain about 3400 terms for metal forming. This volume contains the terminology related to the following chapters: Rolling; Drawing and Extrusion. Definitions are provided for nearly all terms, and illustrations are included where needed. In addition, reference is made to national and international standards. Alphabetical indices in each of the three languages provide easy access to the entries.

This dictionary includes over 550 new entries on all aspects of mechanical engineering, in the core areas of design, stress analysis, dynamics, thermodynamics, and fluid mechanics, together with newly extended coverage of materials engineering. It is an invaluable guide for students, and for professionals in the field.

The French-English volume of this highly acclaimed set consists of some 100,000 keywords in both French and English, drawn from the whole range of modern applied science and technical terminology. Covers over 70 subject areas, from engineering and chemistry to packaging, transportation, data processing and much more.

This biographical reference work looks specifically at the lives, works and careers of those individuals involved in civil engineering whose careers began before 1830.

Illustrated Dictionary of Mechanical Engineering English, German, French, Dutch, Russian Springer

This reference manual provides a list of approximately 300 technical terms and phrases common to environmental and civil engineering which non-English speakers often find difficult to understand in English. The manual provides the terms and phrases in alphabetical order, followed by a concise English definition, then a translation of the term in Thai and, finally, an interpretation or translation of the term or phrase in Thai. Following the Thai translations section, the columns are reversed and reordered alphabetically in Thai with the English term and translation following the Thai term or phrase. The objective is to provide a

technical term reference manual for non-English speaking students and engineers who are familiar with Thai, but uncomfortable with English and to provide a similar reference for English speaking students and engineers working in an area of the world where the Thai language predominates.

A complete lexicon of technical information, the Dictionary of Computer Science, Engineering, and Technology provides workable definitions, practical information, and enhances general computer science and engineering literacy. It spans various disciplines and industry sectors such as: telecommunications, information theory, and software and hardware systems. If you work with, or write about computers, this dictionary is the single most important resource you can put on your shelf. The dictionary addresses all aspects of computing and computer technology from multiple perspectives, including the academic, applied, and professional vantage points. Including more than 8,000 terms, it covers all major topics from artificial intelligence to programming languages, from software engineering to operating systems, and from database management to privacy issues. The definitions provided are detailed rather than concise. Written by an international team of over 80 contributors, this is the most comprehensive and easy-to-read reference of its kind. If you need to know the definition of anything related to computers you will find it in the Dictionary of Computer Science, Engineering, and Technology.

Plants, so predictable, stay where they are. And yet, like all living things, they also move: they grow, adapt, shed leaves and bark, spread roots and branches, snare pollinators, and reward cultivators. This book, the first to thoroughly explore the subject since Darwin's 1881 treatise on movements in plants, is a comprehensive, up-to-date account of the mechanisms and the adaptive values that move plants. Drawing on examples across the spectrum of plant families—including mosses, ferns, conifers, and flowering plants—the author opens a window on how plants move: within cells, as individual cells, and via organs. Opening with an explanation of how cellular motors work and how cells manage to move organs, Dov Koller considers the movement of roots, tubers, rhizomes, and other plant parts underground, as well as the more familiar stems, leaves, and flowers. Throughout, Koller presents information at the subcellular and cellular levels, including the roles of receptors, signaling pathways, hormones, and physiological responses in motor function. He also discusses the adaptive significance of movements. His book exposes the workings of a world little understood and often overlooked, the world of restless plants and the movements by which they accomplish the necessary functions of their lives.

This book brings together over 1,100 quotes pertinent and illuminating to engineering, technology and architecture. It includes extensive author and subject indexes for locating quotations. The book can be read for entertainment or used as a handy reference by students and professional engineers.

This essential reference defines the principle and most commonly used terms found in engineering documents and drawings across multiple disciplines and explains them in plain, unambiguous English. Concise Dictionary of Engineering: A Guide to the Language of Engineering also distinguishes how some terms take on different meanings in different engineering contexts—critical knowledge when working on collaborative projects with diverse elements and colleagues. Based on an edition developed for researchers and technicians at Lockheed Martin, each entry in this volume is written in clear, everyday English without confusing jargon and “techno-speak.” The book is ideal for students, professional engineers, industrial personnel, managers and anyone else who requires a solid understanding of the language of engineers.

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