A Dictionary Of Computer Science 7e Oxford Quick Reference

Computer Science and Communications DictionaryThe Facts on File Dictionary of Computer ScienceThink JuliaBlackie's Dictionary of Computer ScienceDictionary of Information Science and TechnologyA Dictionary of ScienceMcGraw-Hill Dictionary of Electrical and Computer EngineeringDictionary of Computer and Internet TermsThe Dictionary of Computer Graphics and Virtual RealityDictionary of Computer Science, Engineering and TechnologyDiscovering Computer Science--Future Communication, Information and Computer ScienceDictionary of Computer and Internet TermsEncyclopedia of Computer ScienceDictionary for Library and Information ScienceDictionary of the History of ScienceDictionary of Information Science and TechnologyDictionary of Computing. Peter Collin Publishing.A Dictionary of Computer ScienceThe Facts on File Dictionary of Computer ScienceA Dictionary of Computer ScienceDictionary of Computer and Internet TermsLaw for Computer Scientists and Other FolkThe Penguin Dictionary of Information TechnologyThe Computer and Information Science and Technology Abbreviations and Acronyms DictionaryA Dictionary of Electronics and Electrical EngineeringA Dictionary of ComputingDictionary of ComputingThe Second Age of Computer ScienceA Dictionary of the InternetIllustrated Computer Dictionary for DummiesThe Information Security DictionaryConcise Encyclopedia of Computer ScienceComputer Science: A Very Short IntroductionCRC Dictionary of Agricultural SciencesA Dictionary of Information Technology and Computer ScienceBits and BytesPython ProgrammingDictionary of XML Technologies and the Semantic Web

Computer Science and Communications Dictionary

If you're just learning how to program, Julia is an excellent JIT-compiled, dynamically typed language with a clean syntax. This hands-on guide uses Julia 1.0 to walk you through programming one step at a time, beginning with basic programming concepts before moving on to more advanced capabilities, such as creating new types and multiple dispatch. Designed from the beginning for high performance, Julia is a general-purpose language ideal for not only numerical analysis and computational science but also web programming and scripting. Through exercises in each chapter, you'll try out programming concepts as you learn them. Think Julia is perfect for students at the high school or college level as well as self-learners and professionals who need to learn programming basics. Start with the basics, including language syntax and semantics Get a clear definition of each programming concept Learn about values, variables, statements, functions, and data structures in a logical progression Discover how to work with files and databases Understand types, methods, and multiple dispatch Use debugging techniques to fix syntax, runtime, and semantic errors Explore interface design and data structures through case studies

The Facts on File Dictionary of Computer Science

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.

Think Julia

This book is suitable for use in a university-level first course in computing (CS1), as well as the increasingly popular course known as CS0. It is difficult for many students to master basic concepts in computer science and programming. A large portion of the confusion can be blamed on the complexity of the tools and materials that are traditionally used to teach CS1 and CS2. This textbook was written with a single overarching goal: to present the core concepts of computer science as simply as possible without being simplistic.

Blackie's Dictionary of Computer Science

This is the first textbook introducing law to computer scientists. The book covers privacy and data protection law, cybercrime, intellectual property, private law liability and legal personhood and legal agency, next to introductions to private law, public law, criminal law and international and supranational law. It provides an overview of the practical implications of law, their theoretical underpinnings and how they affect the study and construction of computational architectures. In a constitutional democracy everyone is under the Rule of Law, including those who develop code and systems, and those who put applications on the market. It is pivotal that computer scientists and developers get to know what law and the Rule of Law require. Before talking about ethics, we need to make sure that the checks and balances of law and the Rule of Law are in place and complied with. Though it is focused on European law, it also refers to US law and aims to provide insights into what makes law, law, rather than brute force or morality, demonstrating the operations of law

in a way that has global relevance. This book is geared to those who have no wish to become lawyers but are nevertheless forced to consider the salience of legal rights and obligations with regard to the construction, maintenance and protection of computational artefacts. This is an open access title available under the terms of a CC BY-NC-ND 4.0 International licence. It is offered as a free PDF download from OUP and selected open access locations.

Dictionary of Information Science and Technology

This bestselling dictionary contains more than 9,500 entries on all aspects of chemistry, physics, biology (including human biology), earth sciences, computer science, and astronomy. This fully revised edition includes hundreds of new entries, such as bone morphogenetic protein, Convention on Biological Diversity, genome editing, Ice Cube experiment, multi-core processor, PhyloCode, quarkonium, and World Wide Telescope, bringing it fully up to date in areas such as nanotechnology, quantum physics, molecular biology, genomics, and the science of climate change. Supported by more than 200 diagrams and illustrations the dictionary features recommended web links for many entries, accessed and kept up-to-date via the Dictionary of Science companion website. Other features include short biographies of leading scientists, full page illustrated features on subjects such as the Solar System and Genetically Modified Organisms, and chronologies of specific scientific subjects including plastics, electronics, and cell biology. With concise entries on an extensive list of topics, this dictionary is both an ideal reference work for students and a great introduction for non-scientists.

A Dictionary of Science

The emerging Second-Generation Web is based entirely on XML and related technologies. It is intended to result in the creation of the Semantic Web, on which computers will be able to deal with the meaning ("semantics") of Web data and hence to process them in a more effective and autono mous way. This new version of the Web introduces a multitude of novel concepts, terms, and acronyms. Purpose, Scope and Methods This dictionary is an effort to specify the terminological basis of emerging XML and Semantic Web technologies. The ultimate goal of this dictionary is even broader than just to define the meaning of newwords - itaims to develop aproper understandingofthese leading-edge technologies. To achieve this, comprehensible definitions of technical terms are supported by numerous diagrams and code snippets, clearly annotated and explained. The main areas covered in this dictionary are: (1) XML syntax and core technologies, such as Namespaces, Infoset and XML Schema; (2) all the major membersofthe XML family oftechnologies, such as XSLT, XPath and XLink; (3) numerous XML-based domain-specific languages, such as NewsML (News Markup Language); (4) the concept and architecture of the Semantic Web; (5) key Semantic Web technologies,such as RDF (Resource Description Framework), RDF Schema and OWL (Web Ontology Language); and (6) Web services, including WSDL (Web Services Description Lan guage) and SOAP (Simple Object Access Protocol).

McGraw-Hill Dictionary of Electrical and Computer Engineering

The 2014 International Conference on Future Communication, Information and Computer Science (FCICS 2014) was held May 22-23, 2014 in Beijing, China. The objective of FCICS 2014 was to provide a platform for researchers, engineers and academics as well as industrial professionals from all over the world to present their research results and developm

Dictionary of Computer and Internet Terms

Computer terminology is constantly expanding, and the brand-new edition of this dictionary has been updated to keep pace with the latest important innovations in computer science and technology. Emphasis is on helpful information for non-technical home computer users. The book presents more than 3,200 computer-related terms with clear and succinct definitions. Revised features include up-to-date information on Windows Vista, networking, data storage, video, computer security and ethics, and personal computer hardware. Tables, charts, graphs, photos, and line illustrations.

The Dictionary of Computer Graphics and Virtual Reality

Covering both computer science and communications technology, this dictionary features over 20,000 entries. It covers the technology trends in computer science, communications, networking, supporting protocols, and the internet. It is suitable for students and professionals in computer science and communications.

Dictionary of Computer Science, Engineering and Technology

This popular dictionary, formerly published as the Penguin Dictionary of Electronics, has been extensively revised and updated, providing more than 5,000 clear, concise, and jargon-free A-Z entries on key terms, theories, and practices in the areas of electronics and electrical science. Topics covered include circuits, power, systems, magnetic devices, control theory, communications, signal processing, and telecommunications, together with coverage of applications areas such as image processing, storage, and electronic materials. The dictionary is enhanced by dozens of equations and nearly 400 diagrams. It also includes 16 appendices listing mathematical tables and other useful data, including essential graphical and mathematical symbols, fundamental constants, technical reference tables, mathematical support tools, and major innovations in electricity and electronics. More than 50 useful web links are also included with appropriate entries, accessible via a dedicated companion website. A Dictionary of Electronics and Electrical Engineering is the most up-to-date quick reference dictionary available in its field, and is a practical and wide-ranging resource for all students of electronics and of electrical engineering.

Discovering Computer Science

A dictionary of computer terms explaining parts, functions, and useful jargon.

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"Havill's problem-driven approach introduces algorithmic concepts in context and motivates students with a wide range of interests and backgrounds." -- Janet Davis, Associate Professor and Microsoft Chair of Computer Science, Whitman College "This book looks really great and takes exactly the approach I think should be used for a CS 1 course. I think it really fills a need in the textbook landscape." -- Marie desJardins, Dean of the College of Organizational, Computational, and Information Sciences, Simmons University "Discovering Computer Science is a refreshing departure from introductory programming texts, offering students a much more sincere introduction to the breadth and complexity of this ever-growing field." -- James Deverick, Senior Lecturer, The College of William and Mary "This unique introduction to the science of computing guides students through broad and universal approaches to problem solving in a variety of contexts and their ultimate implementation as computer programs." -- Daniel Kaplan, DeWitt Wallace Professor, Macalester College Discovering Computer Science: Interdisciplinary Problems, Principles, and Python Programming is a problem-oriented introduction to computational problem solving and programming in Python, appropriate for a first course for computer science majors, a more targeted disciplinary computing course or, at a slower pace, any introductory computer science course for a general audience. Realizing that an organization around language features only resonates with a narrow audience, this textbook instead connects programming to students' prior interests using a range of authentic problems from the natural and social sciences and the digital humanities. The presentation begins with an introduction to the problem-solving process, contextualizing programming as an essential component. Then, as the book progresses, each chapter guides students through solutions to increasingly complex problems, using a spiral approach to introduce Python language features. The text also places programming in the context of fundamental computer science principles, such as abstraction, efficiency, testing, and algorithmic techniques, offering glimpses of topics that are traditionally put off until later courses. This book contains 30 well-developed independent projects that encourage students to explore questions across disciplinary boundaries, over 750 homework exercises, and 300 integrated reflection questions engage students in problem solving and active reading. The accompanying website — https://www.discoveringcs.net — includes more advanced content, solutions to selected exercises, sample code and data files, and pointers for further exploration.

Future Communication, Information and Computer Science

This dictionary contains over 32,000 terms that are specific to Computers and the Internet. Each term includes a definition /

description. With more than 750 pages, this dictionary is one of the most comprehensive resources available.Terms relate to applications, commands, functions, operating systems, image processing and networking.No other dictionary of computing terms even comes close to the breadth of this one. It is designed to be used by everyone from the novice seeking the most basic information to the mainframe systems programmer and MIS professional looking for sophisticated and hard-to-find information that's not available in most reference books. It's all here in one indispensable reference source. * artificial intelligence. * computer-integrated manufacturing* data communication* databases* distributed data processing* fiber optics* fundamental terms* local area networks* multimedia* office automation* open systems interconnection* peripheral equipment* personal computing* processing units* programming* system development* text processing This dictionary is ideal not only for students of computing but for those studying the related fields of Information Technology, mathematics, physics, media communications, electronic engineering, and natural sciences.We also publish a companion volume (Vol.2) of Computer Acronyms and Abbreviations with an additional 4,500 terms. Volume 2 also includes a section on file name extensions showing the most commonly used extensions and their association with various software systems.This dictionary is available in more than 100 languages. See our website for pricing and availability.http://www.wordsrus.info/catalog/computer_dictionary.html

Dictionary of Computer and Internet Terms

This work facilitates the cross-use terms from the various contributing sub-areas of information science. With definitions of 1,000 terms, in alphabetical order, the volume provides a unified, integrated and concise guide to the field. Each term is annotated by one or more references to the literature. Where possible, the first reference directs the user to a basic or seminal discussion of the term and subsequent references show its usage in an information science-related application. This work will be an indispensable reference for students, researchers, and professionals.

Encyclopedia of Computer Science

Defines more than 2,400 terms and phrases related to computers, programming, data processing, and the Internet.

Dictionary for Library and Information Science

Dictionary of the History of Science

Over the past sixty years, the spectacular growth of the technologies associated with the computer is visible for all to see

and experience. Yet, the science underpinning this technology is less visible and little understood outside the professional computer science community. As a scientific discipline, computer science stands alongside the likes of molecular biology and cognitive science as one of the most significant new sciences of the post Second World War era. In this Very Short Introduction, Subrata Dasgupta sheds light on these lesser known areas and considers the conceptual basis of computer science. Discussing algorithms, programming, and sequential and parallel processing, he considers emerging modern ideas such as biological computing and cognitive modelling, challenging the idea of computer science as a science of the artificial. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Dictionary of Information Science and Technology

Superblack, superblock, supercase, superquadric, supersampling, superred, supergreen, and superblue are just a few of the words which make up the language of computer graphics. This new edition of a widely acclaimed dictionary provides a guide to this fast-moving subject for both relative novices and professionals working in the field. The main changes have been to add new terminology relating to virtual reality and the related topics of robotics and networked simulation. This dictionary covers the software, hardware, and applications of computer graphics and contains hundreds of terms not found elsewhere. Definitions are clear and concise, with special attention given to alternate spellings and meanings. Acronyms are decoded, and pronunciation of the seemingly unpronounceable is given, from WYSIWYG (whizzy-wig) to NAPLPS (nap-lips).

Dictionary of Computing. Peter Collin Publishing.

This updated edition includes the most recent terms relating to constantly expanding computer and internet technology. More than 3,200 terms and definitions deal with: Practical guidance for business software users Computer security, law, and ethics Computer programming, with examples in several computer languages Internet culture and latest developments Previous editions of this user-friendly book have proved especially helpful to readers who feel intimidated by computer technicians' jargon. The authors clarify technical terminology while keeping to the highest standards of accuracy. One grateful reader called this book the "Rosetta Stone" for deciphering computer terms. Features many line illustrations and tables.

A Dictionary of Computer Science

In clear and technically precise definitions, this newly compiled dictionary covers all aspects of information technology and computer science for the newcomer and the computer specialist, underpinned by a set of key terms applied consistently throughout. The dictionary covers: personal computing and office automation -- key programming terms, concepts and methods -- common abbreviations and acronyms -- underlying technologies from silicon chips to networks -- how the computer industry operates -- many aspects of data processing.

The Facts on File Dictionary of Computer Science

Now available for the first time in print, the dictionary is the most comprehensive and reliable English-language resource for terminology used in all types of libraries. With more than 4,000 terms and cross-references (last updated January, 2003), the dictionary's content has been carefully selected and includes terms from publishing, printing, literature, and computer science where, in the author's judgment, they are relevant to both library professionals and laypersons.

A Dictionary of Computer Science

Previously named A Dictionary of Computing, this bestselling dictionary has been renamed A Dictionary of Computer Science, and fully revised by a team of computer specialists, making it the most up-to-date and authoritative guide to computing available. Containing over 6,500 entries and with expanded coverage of multimedia, computer applications, networking, and personal computer science, it is a comprehensive reference work encompassing all aspects of the subject and is as valuable for home and office users as it is indispensable for students of computer science. Terms are defined in a jargon-free and concise manner with helpful examples where relevant. The dictionary contains approximately 150 new entries including cloud computing, cross-site scripting, iPad, semantic attack, smartphone, and virtual learning environment. Recommended web links for many entries, accessible via the Dictionary of Computer Science companion website, provide valuable further information and the appendices include useful resources such as generic domain names, file extensions, and the Greek alphabet. This dictionary is suitable for anyone who uses computers, and is ideal for students of computer science and the related fields of IT, maths, physics, media communications, electronic engineering, and natural sciences.

Dictionary of Computer and Internet Terms

The second edition of this very successful title offers the combination of humor, cartoon illustration and plain English insights that have made it the fastest selling computer book series. This new edition offers more than 200 new illustrations and features 300 all new terms.

Law for Computer Scientists and Other Folk

The Concise Encyclopedia of Computer Science has been adapted from the full Fourth Edition to meet the needs of students, teachers and professional computer users in science and industry. As an ideal desktop reference, it contains shorter versions of 60% of the articles found in the Fourth Edition, putting computer knowledge at your fingertips. Organised to work for you, it has several features that make it an invaluable and accessible reference. These include: Cross references to closely related articles to ensure that you don't miss relevant information Appendices covering abbreviations and acronyms, notation and units, and a timeline of significant milestones in computing have been included to ensure that you get the most from the book. A comprehensive index containing article titles, names of persons cited, references to sub-categories and important words in general usage, guarantees that you can easily find the information you need. Classification of articles around the following nine main themes allows you to follow a self study regime in a particular area: Hardware Computer Systems Information and Data Software Mathematics of Computing Theory of Computation Methodologies Applications Computing Milieux. Presenting a wide ranging perspective on the key concepts and developments that define the discipline, the Concise Encyclopedia of Computer Science is a valuable reference for all computer users.

The Penguin Dictionary of Information Technology

This dictionary provides thousands of terms related to the Web, software technology, jargon, e-commerce, security, and the technical and organizational infrastructure of the Internet. There are also useful links to relevant websites.

The Computer and Information Science and Technology Abbreviations and Acronyms Dictionary

For readers interested in the development of major scientific concepts and the role of science in the western world, here is the first conceptually organized historical dictionary of scientific thought. The purpose of the dictionary is to illuminate this history by providing a concise, single volume reference book of short historical accounts of the important themes, ideas, and discoveries of science. Its conceptual approach differentiates the dictionary from previous reference works such as books of scientific biography and makes it a convenient manual both for the general reader and for scientists interested in the origin of concepts in their own and other scientific fields. Originally published in 1982. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to

the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.

A Dictionary of Electronics and Electrical Engineering

Contemporary agriculture is a wide-ranging field with its own unique language. As an aid for improving scientific communication for everyone from students to public decision-makers, the CRC Dictionary of Agricultural Sciences provides a comprehensive guide to the terminology of agriculture. It includes every area of agriculture, from traditional farming to environmental sciences to the latest developments in biotechnology and genetics. The dictionary provides: Approximately 15,000 terms Extensive cross-referencing of closely related entries Definitions include often-used variants of the principal meaning More than just a compendium of terms, this dictionary presents clear, concise definitions in traditional dictionary entry format. From agroecology to wildlife biology, the CRC Dictionary of Agricultural Sciences establishes common ground between the various practitioners involved in agriculture, making interdisciplinary communications easier and more precise. About the author: Dr. Lewis is a world-class scientist and renowned author and editor of numerous scientific papers and books written in English and German. His contributions include research and applications in ecology and agro-ecology; environmental science; environmental and agricultural technology; endocrinology; air pollution sciences; and environmental monitoring and specimen banking. Dr. Lewis has been an academic and government administrator in the United States and Germany and has developed and coordinated several programs of research that were national or international in scope.

A Dictionary of Computing

This quick-find resource provides thousands of definitions of words and phrases encountered in the fields of electrical and computer engineering. Additional features include a pronunciation guide for every term, acronyms, cross-references, abbreviations, and appendices with valuable tables.

Dictionary of Computing

"The 2nd edition of the Dictionary of Information Science and Technology is an updated compilation of the latest terms and definitions, along with reference citations, as they pertain to all aspects of the information and technology field"--Provided by publisher.

The Second Age of Computer Science

A Dictionary of the Internet

Defines more than 2,400 terms and phrases related to computers, programming, data processing, and the Internet.

Illustrated Computer Dictionary for Dummies

By the end of the 1960s, a new discipline named computer science had come into being. A new scientific paradigm--the 'computational paradigm'--was in place, suggesting that computer science had reached a certain level of maturity. Yet as a science it was still precociously young. New forces, some technological, some socio-economic, some cognitive impinged upon it, the outcome of which was that new kinds of computational problems arose over the next two decades. Indeed, by the beginning of the 1990's the structure of the computational paradigm looked markedly different in many important respects from how it was at the end of the 1960s. Author Subrata Dasgupta named the two decades from 1970 to 1990 as the second age of computer science to distinguish it from the preceding genesis of the science and the age of the Internet/World Wide Web that followed. This book describes the evolution of computer science in this second age in the form of seven overlapping, intermingling, parallel histories that unfold concurrently in the course of the two decades. Certain themes characteristic of this second age thread through this narrative: the desire for a genuine science of computing; the realization that computing is as much a human experience as it is a technological one; the search for a unified theory of intelligence spanning machines and mind; the desire to liberate the computational mind from the shackles of sequentiality; and, most ambitiously, a quest to subvert the very core of the computational paradigm itself. We see how the computer scientists of the second age address these desires and challenges, in what manner they succeed or fail and how, along the way, the shape of computational paradigm was altered. And to complete this history, the author asks and seeks to answer the question of how computer science shows evidence of progress over the course of its second age.

The Information Security Dictionary

Concise Encyclopedia of Computer Science

The Encyclopedia of Computer Science is the definitive reference in computer science and technology. First published in 1976, it is still the only single volume to cover every major aspect of the field. Now in its Fourth Edition, this influential work provides an historical timeline highlighting the key breakthroughs in computer science and technology, as well as clear and concise explanations of the latest technology and its practical applications. Its unique blend of historical perspective, current knowledge and predicted future trends has earned it its richly deserved reputation as an unrivalled reference

classic. What sets the Encyclopedia apart from other reference sources is the comprehensiveness of each of its entries. Encompassing far more than mere definitions, each article elaborates on a topic giving a remarkable breadth and depth of coverage. The visual impact of the volume is enhanced with a 16 page colour insert spotlighting advanced computer applications and computer-generated graphics technology. In addition, the text is enlivened with figures, tables, diagrams, illustrations and photographs. With contributions from over 300 international experts, the 4th Edition contains over 100 completely new articles ranging from artificial life to computer ethics, data mining to Java, mobile computing to quantum computing and software safety to the World Wide Web. In addition, each of the more than 600 articles have been extensively revised, expanded and updated to reflect the latest developments in computer science and technology. Intelligently and thoughtfully organised, all the articles are classified around 9 main themes Hardware Software Computer Systems Information and Data Mathematics of Computing Theory of Computation Methodologies Applications Computing Milieux Within each of these major headings are a wealth of articles that provide the reader with concise yet thorough coverage of the topic. In addition, cross-references are included at the beginning of each article, directing the reader immediately to related material. In addition the Encyclopedia contains useful appendices including: An expanded glossary of major terms in English, German, Spanish and Russian A revised list of abbreviations and acronyms An updated list of computer science and engineering research journals A list of articles from previous editions not included in the 4th edition A Name Index listing almost 3500 individuals cited in the text A comprehensive General Index with 7000 entries A chronology of significant milestones Computer Society & Academic Computer Science Department Listings Numerical Tables, Mathematical Notation and Units of Measure Highly-regarded as an essential resource for computer professionals, engineers, mathematicians, students and scientists, the Encyclopedia of Computer Science is a must-have reference for every college, university, business and high-school library.

Computer Science: A Very Short Introduction

Written for the professional and the layman, the book provides the meanings of important and interesting acronyms in the broad area of computing and information science and technology. The acronyms and abbreviations contained in this book were created by the men and women of the computer and information age to save time and space and eliminate unnecessary repetition and wordage. The book is of value to engineers, scientists, technologists, executives and managers in technical fields, programmers, systems analysts, writers, and computer owners or potential buyers.

CRC Dictionary of Agricultural Sciences

With 10,000 entries, this dictionary is the most complete of its kind. It is a major contribution to more accurate sharing of scientific and technological information.

A Dictionary of Information Technology and Computer Science

Something for Everyone If this book is to succeed and help readers, its cardinal virtue must be to provide a simple reference text. It should be an essential addition to an information security library. As such it should also serve the purpose of being a quick refresher for terms the reader has not seen since the days when one attended a computing science program, information security course or workshop. As a reference work, THE INFORMATION SECURITY DICTIONARY provides a relatively complete and easy-to-read explanation of common se- rity, malware, vulnerability and infrastructure protection terms, without causing much damage to the usually slim student pocketbook. This dictionary can help non-specialistreaders better understand the infor- tion security issues encountered in their work or studying for their certification examination or whilst doing a practical assignment as part of a workshop. This book is also essential to a reference collection for an organization's system personnel. Special attention is paid to terms which most often prevent educated readers from understanding journal articles and books in cryptology, computing science, and information systems, in addition to applied fields that build on those disciplines, such as system design, security auditing, vulnera- lity testing, and role-based access management. The dictionary provides defi- tions that enable readers to get through a difficult article or passage. We do not, for the most part, directly explain how to conduct research or how to implement the terms briefly described.

Bits and Bytes

The book provides a wide coverage of entries across software. Hardware, firmware, operating systems, protocols, networking, data bases, graphics, security, artificial intelligence, programming logic, mathematics, game theory, software engineering and related areas of IT industry. The key features of the book are:

Python Programming

Provides concise definitions of the key words, building up from the level of the single silicon chip via personal computers and large mainframe systems to the international telecommunications networks. It is published in hardcover as "A Dictionary of Information Technology and Computer Science".

Dictionary of XML Technologies and the Semantic Web

Previously named A Dictionary of Computing, this bestselling dictionary has been renamed A Dictionary of Computer Science, and fully revised by a team of computer specialists, making it the most up-to-date and authoritative guide to computing available. Containing over 6,500 entries and with expanded coverage of multimedia, computer applications,

networking, and personal computer science, it is a comprehensive reference work encompassing all aspects of the subject and is as valuable for home and office users as it is indispensable for students of computer science. Terms are defined in a jargon-free and concise manner with helpful examples where relevant. The dictionary contains approximately 150 new entries including cloud computing, cross-site scripting, iPad, semantic attack, smartphone, and virtual learning environment. Recommended web links for many entries, accessible via the Dictionary of Computer Science companion website, provide valuable further information and the appendices include useful resources such as generic domain names, file extensions, and the Greek alphabet. This dictionary is suitable for anyone who uses computers, and is ideal for students of computer science and the related fields of IT, maths, physics, media communications, electronic engineering, and natural sciences.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION