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Volume Set Encyclopedia of Information Science and Technology Encyclopedia of Network Blueprints Encyclopedia of Multimedia Technology and Networking, Second Edition The International Encyclopedia of Organizational Communication, 4 Volume Set The SAGE Encyclopedia of the Internet The Wealth of Networks Encyclopedia of Social Media and Politics Encyclopedia of Glass Science, Technology, History, and Culture Two Volume Set Desktop Encyclopedia of Voice and Data Networking Encyclopedia of Virtual Communities and Technologies Encyclopedia of Cyber Behavior Encyclopedia

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Introduction to Computer Networking to Methods for Usability Engineering in Equipment Design. "Authoritative and up-to-date, this book and CD-ROM package is filled with thousands of explanations and analyses of

core and cutting-edge networking and telecommunications topics - from Abilene to QoS to ZAWS. - Extensive cross-referencing throughout helps you understand the relationship among the technologies. This is a resource for every network professional, as well as technology investors, marketing managers, head hunters, technology writers, and anyone interested in networking. - The book also includes the most comprehensive guide to Internet engineering documents (RFCs) available today."--Jacket. A thorough revision of Novell's Complete Encyclopedia of Networking--

updated to include coverage of NetWare 4.1, Windows 95, Windows NT 3.51, OS/2 Warp, and UNIXWare 2. Extensive cross-references and indexing make it easier for readers to find the information they need, at the level of detail they want. An integrated glossary provides brief definitions of concepts and terms. CD contains the complete text. "This reference provides the broad, up-to-date coverage needed by both communications professionals and beginners in this fast-moving, acronym-riddled field. More than a quick reference, this sourcebook offers full explanations of important developments and technologies in clear, nontechnical

language." "The Desktop Encyclopedia of Voice and Data Networking gives you: the popular format of Muller's Desktop Encyclopedia of Telecommunications, featuring alphabetical listings; 150 illustrations; quick-reference lists of all acronyms and illustrations; coverage of high-speed network backbones such as ATM, Gigabit Ethernet, and FDDI; explanations of the full range of wireless network technologies, including spread spectrum; clear discussions of wide-area solutions such as SONET, ISDN, and Frame Relay; integrated coverage of related issues; and crossreferences to Muller's Desktop Encyclopedia of

Telecommunications."--BOOK JACKET.Title Summary field provided by Blackwell North America, Inc. All Rights Reserved "This encyclopedia of virtual communities and technologies provides a much needed integrated overview of all the critical concepts, technologies and issues in the area of virtual communities"-- Provided by publisher. This comprehensive A to Z encyclopedia provides extensive coverage of important scientific terms related to improving our understanding of how we evolved. Specifically, the 5,000 entries in this two-volume set cover evidence and methods used to investigate the

relationships among the living great apes, evidence about what makes the behavior of modern humans distinctive, and evidence about the evolutionary history of that distinctiveness, as well as information about modern methods used to trace the recent evolutionary history of modern human populations. This text provides a resource for everyone studying the emergence of Homo sapiens. Visit the companion site www.woodhumanevolution.com to browse additional references and updates from this comprehensive encyclopedia. NetLibrary named the Encyclopedia of Information Communication Technology as

their September 2008 e-book of the month! [CLICK HERE](#) to view the announcement. The Encyclopedia of Information Communication Technology (ICT) is a comprehensive resource describing the influence of information communication technology in scientific knowledge construction, with emphasis on the roles of product technologies, process technologies, and context technologies. Through 111 authoritative contributions by 93 of the world's leading experts this reference covers the materials and instruments of information technology: from ICT in education to software engineering; the influence of

ICT on different environments, including e-commerce, decision support systems, knowledge management, and more; and the most pervasive presence of information technology, including studies and research on knowledge management, the human side of ICT, ICT in healthcare, and virtual organizations, among many others. Addressing many of the fundamental issues of information communication technology, the Encyclopedia of Information Communication Technology will be a top-shelf resource for any reference library. Describes how patterns of information, knowledge, and cultural production are changing. The author shows

that the way information and knowledge are made available can either limit or enlarge the ways people create and express themselves. He describes the range of legal and policy choices that confront. Wireless networking technologies are witnessed to become the integral part of industry, business, entertainment and daily life. Encyclopedia of Wireless Networks is expected to provide comprehensive references to key concepts of wireless networks, including research results of historical significance, areas of current interests, and growing directions in the future wireless networks. It can serve as a valuable and authoritative

literature for students, researchers, engineers, and practitioners who need a quick reference to the subjects of wireless network technology and its relevant applications. Areas covered: 5G Network | Editors: Rahim Tafazolli, Rose Hu Ad hoc Network | Editor: Cheng Li Big Data for Networking | Editor: Song Guo Cellular Network, 2G/3G Network, 4G/LTE Network | Editor: Hsiao-hwa Chen Cognitive Radio Network | Editor: Ning Zhang Cooperative Communications | Editor: Kaoru Ota Cyber Physical Systems | Editor: Shiyuan Hu Data Center Network | Editor: Lei Lei Delay Tolerant and Opportunistic

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This two-volume encyclopedia provides a thorough introduction to the wide-ranging, fast-developing field of social networking, a much-needed resource at a time when new social networks or "communities" seem to spring up on the internet every day. Social networks, or groupings of individuals tied by one or more specific types of interests or interdependencies ranging from likes and dislikes, or disease transmission to the "old boy" network or overlapping circles of friends, have been in existence for longer than services such as Facebook or YouTube; analysis of these networks emphasizes the relationships within the

network . This reference resource offers comprehensive coverage of the theory and research within the social sciences that has sprung from the analysis of such groupings, with accompanying definitions, measures, and research. Featuring approximately 350 signed entries, along with approximately 40 media clips, organized alphabetically and offering cross-references and suggestions for further readings, this encyclopedia opens with a thematic Reader's Guide in the front that groups related entries by topics. A Chronology offers the reader historical perspective on the study of social networks. This two-volume reference work is a

must-have resource for libraries serving researchers interested in the various fields related to social networks. This Encyclopedia begins with an introduction summarizing its scope and content. Glassmaking; Structure of Glass, Glass Physics, Transport Properties, Chemistry of Glass, Glass and Light, Inorganic Glass Families, Organic Glasses, Glass and the Environment, Historical and Economical Aspect of Glassmaking, History of Glass, Glass and Art, and outline possible new developments and uses as presented by the best known people in the field (C.A. Angell, for example). Sections and chapters are arranged in a

logical order to ensure overall consistency and avoid useless repetitions. All sections are introduced by a brief introduction and attractive illustration. Newly investigated topics will be addressed, with the goal of ensuring that this Encyclopedia remains a reference work for years to come. "This set of books represents a detailed compendium of authoritative, research-based entries that define the contemporary state of knowledge on technology"-- Provided by publisher. The International Encyclopedia of Organizational Communication offers a comprehensive collection of entries contributed by international

experts on the origin, evolution, and current state of knowledge of all facets of contemporary organizational communication. Represents the definitive international reference resource on a topic of increasing relevance, in a new series of sub-disciplinary international encyclopedias Examines organization communication across a range of contexts, including NGOs, global corporations, community cooperatives, profit and non-profit organizations, formal and informal collectives, virtual work, and more Features topics ranging from leader-follower communication, negotiation and bargaining and organizational culture to the

appropriation of communication technologies, emergence of inter-organizational networks, and hidden forms of work and organization Offers an unprecedented level of authority and diverse perspectives, with contributions from leading international experts in their associated fields Part of The Wiley Blackwell-ICA International Encyclopedias of Communication series, published in conjunction with the International Communication Association. Online version available at Wiley Online Library Awarded 2017 Best Edited Book award by the Organizational

Communication Division, National Communication Association Accompanying CD-ROM includes full text of the encyclopedia, plus Netware's DynaText online documentation reader program. Provides the most thorough examination of Internet technologies and applications for researchers in a variety of related fields. For the average Internet consumer, as well as for experts in the field of networking and Internet technologies. [Administration (référence électronique) ; informatique]. Engineers have long required a comprehensive yet concise resource to turn to for reliable, up-to-date information on the continually evolving field of

telecommunications. In five easily searched volumes, the Wiley Encyclopedia of Telecommunications provides a broad, clear overview of both the fundamentals of and recent advances in telecommunications. This essential reference—the only one dedicated to telecommunications for electrical engineers—is available in print and online formats. Topics Include: Optical communications Modulation and demodulation Coding and decoding Communication networks Antennas John G. Proakis is the Series Editor for the Wiley Series in Telecommunications and Signal Processing. In preparing this

Encyclopedia, Dr. Proakis been assisted by an editorial board of five leading telecommunications engineers from academia and industry to bring you: Approximately 300 articles on various topics in telecommunications Articles are written by experts in their fields A broad, clear overview of both the fundamentals and recent advances in telecommunications Cutting edge topics covering the entire field of telecommunications and signal processing For more information regarding the online edition of this major reference work, please visit: www.mrw.interscience.wiley.com/eot The second edition of this guide includes Internet

technology updates, network security information and descriptions of network terms and concepts. An electronic version of the book accompanies it on CD-ROM with special multi-user license. Rapid technological advancement has given rise to new ethical dilemmas and security threats, while the development of appropriate ethical codes and security measures fail to keep pace, which makes the education of computer users and professionals crucial. The Encyclopedia of Information Ethics and Security is an original, comprehensive reference source on ethical and security issues relating to the

latest technologies. Covering a wide range of themes, this valuable reference tool includes topics such as computer crime, information warfare, privacy, surveillance, intellectual property and education. This encyclopedia is a useful tool for students, academics, and professionals. The Internet needs no introduction, and its significance today can hardly be exaggerated. Today, more people are more connected technologically to one another than at any other time in human existence. For a large share of the world's people, the Internet, text messaging, and various other forms of digital social media such as Facebook

have become thoroughly woven into the routines and rhythms of daily life. The Internet has transformed how we seek information, communicate, entertain ourselves, find partners, and, increasingly, it shapes our notions of identity and community. The SAGE Encyclopedia of the Internet addresses the many related topics pertaining to cyberspace, email, the World Wide Web, and social media. Entries will range from popular topics such as Alibaba and YouTube to important current controversies such as Net neutrality and cyberterrorism. The goal of the encyclopedia is to provide the most comprehensive collection of

authoritative entries on the Internet available, written in a style accessible to academic and non-academic audiences alike. This encyclopedia aims to offer researchers an indication of the breadth and importance of information systems in education, including the way IT is being used, and could be used to enable learning and teaching. The encyclopedia covers all aspects of the interaction between education and information technologies, including IT in kindergartens, primary and secondary schools, universities, training colleges, industry training, distance education and further education. It also covers teaching and computing, the

use of IT in many different subject areas, the use of IT in educational administration, and national policies of IT and education. "Authoritative and up-to-date, this book and CD-ROM package is filled with thousands of explanations and analyses of core and cutting-edge networking and telecommunications topics - from Abilene to QoS to ZAWS. - Extensive cross-referencing throughout helps you understand the relationship among the technologies. This is a resource for every network professional, as well as technology investors, marketing managers, head hunters, technology writers, and anyone interested in

networking. - The book also includes the most comprehensive guide to Internet engineering documents (RFCs) available today."--Jacket. This reference work tells the unique history of Christian education and shows how Christian educators pioneered such institutions and reforms as universal literacy, home schooling, Sunday schools, women's education, graded schools, compulsory education of the deaf and blind, and kindergarten. To the increasingly complex world of heterogeneous data communication networks, this encyclopedic guide brings a welcome set of maps, directions, and navigation aids.

Covering all the bases in networking from layout to tweaking, it provides the practical information and underlying principles needed to attack and resolve virtually any problem or design issue. Artificial neural networks can mimic the biological information-processing mechanism in - a very limited sense. Fuzzy logic provides a basis for representing uncertain and imprecise knowledge and forms a basis for human reasoning. Neural networks display genuine promise in solving problems, but a definitive theoretical basis does not yet exist for their design. Fusion of Neural Networks, Fuzzy Systems and

Genetic Algorithms integrates neural net, fuzzy system, and evolutionary computing in system design that enables its readers to handle complexity - offsetting the demerits of one paradigm by the merits of another. This book presents specific projects where fusion techniques have been applied. The chapters start with the design of a new fuzzy-neural controller. Remaining chapters discuss the application of expert systems, neural networks, fuzzy control, and evolutionary computing techniques in modern engineering systems. These specific applications include: direct frequency converters electro-hydraulic systems

motor control toaster control speech recognition vehicle routing fault diagnosis Asynchronous Transfer Mode (ATM) communications networks telephones for hard-of-hearing people control of gas turbine aero-engines telecommunications systems design Fusion of Neural Networks, Fuzzy Systems and Genetic Algorithms covers the spectrum of applications - comprehensively demonstrating the advantages of fusion techniques in industrial applications. Network administrators get A-to-Z detail about Microsoft networking technologies -- straight from the source. This encyclopedia delivers essential

coverage of Microsoft Windows NT, Windows 2000, and the BackOffice "RM" family, as well as third-party products and general networking terminology -- providing comprehensive information for real-world network administration. Entries span the gamut from hardware to software, from theory to practice, and from current products to legacy systems. Practical examples, plus ample illustrations and screen shots, help illuminate the concepts under discussion. "This book offers a complete look into the field of cyber behavior, surveying case studies, research, frameworks, techniques, technologies, and

future developments relating to the way people interact and behave online"--Provided by publisher. Advances in hardware, software, and audiovisual rendering technologies of recent years have unleashed a wealth of new capabilities and possibilities for multimedia applications, creating a need for a comprehensive, up-to-date reference. The Encyclopedia of Multimedia Technology and Networking provides hundreds of contributions from over 200 distinguished international experts, covering the most important issues, concepts, trends, and technologies in multimedia technology. This must-have reference contains

over 1,300 terms, definitions, and concepts, providing the deepest level of understanding of the field of multimedia technology and networking for academicians, researchers, and professionals worldwide. A summary of concepts and topics related to networks and networking at both hardware and software levels covers cabling, workstations, interface cards, operating systems, shells, internetworking software, packages, protocols, and securities. Original. (Intermediate). A reference guide to networking which covers subjects ranging from abstract syntax to Zero-slot LAN. This book is designed to compliment Novell's Dictionary

of Networking, and covers the latest products and technology. Includes a CD-ROM. The Encyclopedia of Social Media and Politics explores how the rise of social media is altering politics both in the United States and in key moments, movements, and places around the world. Its scope encompasses the disruptive technologies and activities that are changing basic patterns in American politics and the amazing transformations that social media use is rendering in other political systems heretofore resistant to democratization and change. In a time when social media are revolutionizing and galvanizing politics in the United States

and around the world, this encyclopedia is a must-have reference. It reflects the changing landscape of politics where old modes and methods of political communication from elites to the masses (top down) and from the masses to elites (bottom up) are being displaced rapidly by social media, and where activists are building new movements and protests using social media to alter mainstream political agendas. Key Features This three-volume A-to-Z encyclopedia set includes 600 short essays on high-interest topics that explore social media's impact on politics, such as "Activists and Activism," "Issues and Social

Media," "Politics and Social Media," and "Popular Uprisings and Protest." A stellar array of world renowned scholars have written entries in a clear and accessible style that invites readers to explore and reflect on the use of social media by political candidates in this country, as well as the use of social media in protests overseas Unique to this book is a detailed appendix with material unavailable anywhere else tracking and illustrating social media usage by U.S. Senators and Congressmen. This encyclopedia set is a must-have general, non-technical resource for students and researchers who seek to understand how the changes in

social networking through social media are affecting politics, both in the United States and in selected countries or regions around the world. "This encyclopedia offers a comprehensive knowledge of multimedia information technology from an economic and technological perspective"--Provided by publisher. With breadth and depth of coverage, the Encyclopedia of Computer Science and Technology, Second Edition has a multi-disciplinary scope, drawing together comprehensive coverage of the inter-related aspects of computer science and technology. The topics covered in this encyclopedia

include: General and reference
Hardware Computer systems
organization Networks
Software and its engineering
Theory of computation
Mathematics of computing
Information systems Security
and privacy Human-centered
computing Computing
methodologies Applied
computing Professional issues
Leading figures in the history
of computer science The
encyclopedia is structured
according to the ACM
Computing Classification
System (CCS), first published
in 1988 but subsequently
revised in 2012. This
classification system is the
most comprehensive and is
considered the de facto

ontological framework for the
computing field. The
encyclopedia brings together
the information and historical
context that students,
practicing professionals,
researchers, and academicians
need to have a strong and solid
foundation in all aspects of
computer science and
technology. At Last--Clear and
Comprehensible Definitions of
All the Networking Acronyms,
Terms, and Abbreviations You
Need to Know The Dictionary
of Networking is a highly
readable, authoritative guide to
the extensive--and often
bewildering--terminology of
network computing. This
completely updated, expanded
third edition spans all aspects

of networking hardware and
software--from peer-to-peer
networks to enterprise wide
area networks (WANs), the
Internet, and internetworking--
and covers every major
network operating system.
Topics include: * Certification
programs * Communications *
Industry standards * The
Internet and intranets * LANs,
MANs, WANs * Mobile and
wireless computing * Network
administration * Networking
theory and concepts *
Operating systems and
environments * PC and server
hardware * Protocols * Security
* Slang * Voice and data
transmissions This book
contains more than 3,000
entries. Abbreviations and

acronyms are cross-referenced to their definitions, and many entries include additional cross-references to related entries. You'll find clear, concise definitions, acronyms and abbreviations defined in context. Social Network Analysis and Mining Encyclopedia (ESNAM) is the first major reference work to integrate fundamental concepts and research directions in the areas of social networks and applications to data mining. The second edition of ESNAM is a truly outstanding reference appealing to researchers, practitioners, instructors and students (both undergraduate and graduate), as well as the general public. This updated

reference integrates all basic concepts and research efforts under one umbrella. Coverage has been expanded to include new emerging topics such as crowdsourcing, opinion mining, and sentiment analysis. Revised content of existing material keeps the encyclopedia current. The second edition is intended for college students as well as public and academic libraries. It is anticipated to continue to stimulate more awareness of social network applications and research efforts. The advent of electronic communication, and in particular on-line communities, have created social networks of hitherto unimaginable sizes. Reflecting

the interdisciplinary nature of this unique field, the essential contributions of diverse disciplines, from computer science, mathematics, and statistics to sociology and behavioral science, are described among the 300 authoritative yet highly readable entries. Students will find a world of information and insight behind the familiar façade of the social networks in which they participate. Researchers and practitioners will benefit from a comprehensive perspective on the methodologies for analysis of constructed networks, and the data mining and machine learning techniques that have proved attractive for

sophisticated knowledge
discovery in complex
applications. Also addressed is

the application of social
network methodologies to

other domains, such as web
networks and biological
networks.