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 Dictionary of Computer and Internet Terms

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Pervasive Computing: A Networking Perspective and Future Directions PHI Learning Pvt. Ltd.

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

Integration of IoT with Cloud Computing for Smart Applications IGI Global

This open access book provides an overview of the recent advances in representation learning theory, algorithms and applications for natural language processing (NLP). It is divided into three parts. Part I presents the representation learning

techniques for multiple language entries, including words, phrases, sentences and documents. Part II then introduces the representation techniques for those objects that are closely related to NLP, including entity-based world knowledge, sememe-based linguistic knowledge, networks, and cross-modal entries. Lastly, Part III provides open resource tools for representation learning techniques, and discusses the remaining challenges and future research directions. The theories and algorithms of representation learning presented can also benefit other related domains such as machine learning, social network analysis, semantic Web, information retrieval, data mining and computational biology. This book is intended for advanced undergraduate and graduate students, post-doctoral fellows, researchers, lecturers, and industrial engineers, as well as anyone interested in representation learning and natural language processing.

[Research Anthology on Feminist Studies and Gender Perceptions](#) Springer

The rapid advancement of Industry 4.0 technologies is revolutionizing the travel, tourism, and hospitality industries, offering unparalleled opportunities for innovation and growth. However, with these advancements comes a significant challenge: cybersecurity. As organizations in these sectors increasingly rely on digital technologies to enhance customer experiences and streamline operations, they become more vulnerable to cyber threats. The need for clarity on how to effectively manage cybersecurity risks in the context of Industry 4.0 poses a severe threat to the integrity and security of these industries. Corporate Cybersecurity in the Aviation, Tourism, and Hospitality Sector presents a solution to this pressing problem by comprehensively exploring cybersecurity and corporate digital responsibility in the global travel, tourism, and hospitality sectors. It brings together cutting-edge theoretical and empirical research to investigate the impact of emerging Industry 4.0 technologies on these industries. It provides insights into how organizations can build cybersecurity capabilities and develop effective cybersecurity strategies. By addressing key topics such as cyber risk management policies, security standards and procedures, and data breach prevention, this book equips industry professionals and scholars with the knowledge and tools needed to navigate the complex cybersecurity landscape of the Fourth Industrial Revolution.

Advances in Computing and Network Communications
EĞİTİM YAYINEVİ

This textbook, now in its Second Edition, addresses the rapid advancements to the area of mobile computing. Almost every chapter has been revised to make the book up to date with the latest developments. It covers the main topics associated with mobile computing and wireless networking at a level that enables the students to develop a fundamental understanding of the technical issues involved in this new and fast emerging discipline. This book first examines the basics of wireless technologies and computer communications that form the essential infrastructure required for building knowledge in the area of mobile computations involving the study of invocation mechanisms at the client end, the underlying wireless communication, and the corresponding server-side technologies. It includes coverage of development of mobile cellular systems, protocol design for mobile networks, special issues involved in the mobility management of cellular system users, realization and applications of mobile ad hoc networks (MANETs), design and operation of sensor networks, special constraints and requirements of mobile operating systems, and development of mobile computing applications. Finally, an example application of the mobile computing infrastructure to M-commerce is described

in the concluding chapter of the book. The book is suitable for a one-semester course in mobile computing for the undergraduate students of Computer Science and Engineering, Information Technology, Electronics and Communication Engineering, Master of Computer Applications (MCA), and the undergraduate and postgraduate science courses in computer science and Information Technology. Key Features • Provides unified coverage of mobile computing and communication aspects • Discusses the mobile application development, mobile operating systems and mobile databases as part of the material devoted to mobile computing • Incorporates a survey of mobile operating systems and the latest developments

Wireless Internet Handbook IGI Global

This book comprises select proceedings of the international conference ETAEERE 2020, and covers latest research in the areas of electronics, communication and computing. The book includes different approaches and techniques for specific applications using particle swarm optimization, Otsu's function and harmony search optimization algorithm, DNA-NAND gate, triple gate SOI MOSFET, micro-Raman and FTIR analysis, high-k dielectric gate oxide, spectrum sensing in cognitive radio, microstrip antenna, GPR with conducting surfaces, energy efficient packet routing, iBGP route reflectors, circularly polarized antenna, double fork shaped patch radiator, implementation of Doppler radar at 24 GHz, iris image classification using SVM, digital image forgery detection, secure communication, spoken dialog system, and DFT-DCT spreading strategies. Given the range of topics covered, this book can be useful for both students and researchers working in electronics and communication.

[Digital Economy Report 2024](#) Springer Nature

This book comprises select proceedings of the international conference ETAEERE 2020, and focuses on contemporary issues in energy management and energy efficiency in the context of power systems. The contents cover modeling, simulation and optimization based studies on topics like medium voltage BTB system, cost optimization of a ring frame unit in textile industry, rectenna for RF energy harvesting, ecology and energy dimension in infrastructural designs, study of AGC in two area hydro thermal power system, energy-efficient and reliable depth-based routing protocol for underwater wireless sensor network, and power line communication. This book can be beneficial for students, researchers as well as industry professionals.

[Introduction to Spintronics](#) Butterworth-Heinemann

The book presents the innovative aspects of smart industries and intelligent technologies involving Robotics and Automation. It discusses the challenges in the design of autonomous robots and provides an understanding of how different systems communicate with each other, allowing cooperation with other human systems and operators in real time. Robotics and Automation in Industry 4.0: Smart Industries and Intelligent Technologies offers research articles, flow charts, algorithms, and examples based on daily life in automation and robotics related to the building of Industry 4.0. It presents disruptive technology applications related to Smart Industries and talks about how robotics is an important Industry 4.0 technology that offers a wide range of capabilities and has improved automation systems by doing repetitive tasks with more accuracy and at a lower cost. The book discusses how frontline healthcare staff can evaluate, monitor, and treat patients from a safe distance by using robotic and telerobotic systems to minimize the risk of infectious disease transmission. Artificial intelligence (AI) and machine learning (ML) are looked at and the book offers a comprehensive overview of the key challenges surrounding the Internet of Things (IoT) and AI synergy, including current and future applications with significant societal value. An ideal read for scientists, research scholars,

entrepreneurs, industrialists, academicians, and various other professionals who are interested in exploring innovations in the applicational areas of AI, IoT, and ML related to Robotics and Automation.

Lifelong Machine Learning, Second Edition CRC Press

Internet of Things (IoT), emphasizes on the efficient use of internet and wireless network for connecting devices in day-to-day life. It gives a step-by-step explanation of the connecting interface of hardware with software. This classic text is a vital study guide for students to master their IoT skills. Internet of Things emphasizes on the efficient use of internet and wireless network for connecting devices in day to day life. It gives a step-by-step explanation of the connecting interface of hardware with software. This classic text is a vital study guide for the students to master their IoT skills.

Advances in Electronics, Communication and Computing IGI Global

Due to changes in the learning and research environment, changes in the behavior of library users, and unique global disruptions such as the COVID-19 pandemic, libraries have had to adapt and evolve to remain up-to-date and responsive to their users. Thus, libraries are adding new, digital resources and services while maintaining most of the old, traditional resources and services. New areas of research and inquiry in the field of library and information science explore the applications of machine learning, artificial intelligence, and other technologies to better serve and expand the library community. The Handbook of Research on Knowledge and Organization Systems in Library and Information Science examines new technologies and systems and their application and adoption within libraries. This handbook provides a global perspective on current and future trends concerning library and information science. Covering topics such as machine learning, library management, ICTs, blockchain technology, social media, and augmented reality, this book is essential for librarians, library directors, library technicians, media specialists, data specialists, catalogers, information resource officers, administrators, IT consultants and specialists, academicians, and students.

Advances in Power Systems and Energy Management Springer Nature

This book constitutes the thoroughly refereed post-conference proceedings of the 4th International Conference on Computing and Network Communications (CoCoNet'20), October 14–17, 2020, Chennai, India. The papers presented were carefully reviewed and selected from several initial submissions. The papers are organized in topical sections on Signal, Image and Speech Processing, Wireless and Mobile Communication, Internet of Things, Cloud and Edge Computing, Distributed Systems, Machine Intelligence, Data Analytics, Cybersecurity, Artificial Intelligence and Cognitive Computing and Circuits and Systems. The book is directed to the researchers and scientists engaged in various fields of computing and network communication domains.

Fundamentals and Methods of Machine and Deep Learning IGI Global

Advanced techniques in image processing have led to many innovations supporting the medical field, especially in the area of disease diagnosis. Biomedical imaging is an essential part of early disease detection and often considered a first step in the proper management of medical pathological conditions. Classification and Clustering in Biomedical Signal Processing focuses on existing and proposed methods for medical imaging, signal processing, and analysis for the purposes of diagnosing and monitoring patient conditions. Featuring the most recent empirical research findings in the areas of signal processing for biomedical applications with an emphasis on classification and

clustering techniques, this essential publication is designed for use by medical professionals, IT developers, and advanced-level graduate students.

Architecting Secure Software Systems Springer Nature

This book offers an accessible guide to ubiquitous computing, with an emphasis on pervasive networking. It addresses various technical obstacles, such as connectivity, levels of service, performance, reliability and fairness. The focus is on describing currently available off-the-shelf technologies, novel algorithms and techniques in areas such as: underwater sensor networks, ant colony based routing, heterogeneous networks, agent based distributed networks, cognitive radio networks, real-time WSN applications, machine translation, intelligent computing and ontology based bit masking. By introducing the core topics and exploring assistive pervasive systems that draw on pervasive networking, the book provides readers with a robust foundation of knowledge on this growing field of research. Written in a straightforward style, the book is also accessible to a broad audience of researchers and designers who are interested in exploring pervasive computing further.

Wheeled Mobile Robotics WPI Publishing

Traditionally, software engineers have defined security as a non-functional requirement. As such, all too often it is only considered as an afterthought, making software applications and services vulnerable to attacks. With the phenomenal growth in cybercrime, it has become imperative that security be an integral part of software engineering so tha

Signal Processing for Mobile Communications Handbook CRC Press

Lifelong Machine Learning, Second Edition is an introduction to an advanced machine learning paradigm that continuously learns by accumulating past knowledge that it then uses in future learning and problem solving. In contrast, the current dominant machine learning paradigm learns in isolation: given a training dataset, it runs a machine learning algorithm on the dataset to produce a model that is then used in its intended application. It makes no attempt to retain the learned knowledge and use it in subsequent learning. Unlike this isolated system, humans learn effectively with only a few examples precisely because our learning is very knowledge-driven: the knowledge learned in the past helps us learn new things with little data or effort. Lifelong learning aims to emulate this capability, because without it, an AI system cannot be considered truly intelligent. Research in lifelong learning has developed significantly in the relatively short time since the first edition of this book was published. The purpose of this second edition is to expand the definition of lifelong learning, update the content of several chapters, and add a new chapter about continual learning in deep neural networks—which has been actively researched over the past two or three years. A few chapters have also been reorganized to make each of them more coherent for the reader. Moreover, the authors want to propose a unified framework for the research area. Currently, there are several research topics in machine learning that are closely related to lifelong learning—most notably, multi-task learning, transfer learning, and meta-learning—because they also employ the idea of knowledge sharing and transfer. This book brings all these topics under one roof and discusses their similarities and differences. Its goal is to introduce this emerging machine learning paradigm and present a comprehensive survey and review of the important research results and latest ideas in the area. This book is thus suitable for students, researchers, and practitioners who are interested in machine learning, data mining, natural language processing, or pattern recognition. Lecturers can readily use the book for courses in any of these related fields.

Urban Informatics BoD – Books on Demand

The Handbook of Information Security is a definitive 3-volume handbook that offers coverage of both established and cutting-edge theories and developments on information and computer security. The text contains 180 articles from over 200 leading experts, providing the benchmark resource for information security, network security, information privacy, and information warfare.

International Research in Engineering Sciences III Tata McGraw-Hill Education

Global society has always been impacted by the perception of gender. While gender roles may differ in certain cultures, many cultures around the world have allowed for the disempowerment and objectification of women. Women today still struggle for gender equality whether it be professionally, socially, or even legally. To examine feminism thoroughly, however, thorough analysis must be conducted on all genders and perceptions. The Research Anthology on Feminist Studies and Gender Perceptions explores the application of feminist theory and women empowerment in the 21st century and the role that gender plays in society. This book analyzes media representation, gender performativity, and theory to present a comprehensive view of gender and society. Covering topics such as masculinity, women empowerment, and gender equality, this two-volume comprehensive major reference work is an essential resource for sociologists, community leaders, human resource managers, activists, students and professors of higher education, researchers, and academicians.

Robotics and Automation in Industry 4.0 Springer Nature

This book constitutes the thoroughly refereed post-conference proceedings of the 9th International ICST Conference on Mobile and Ubiquitous Systems: Computing, Networking, and Services, MobiQuitous 2012, held in Beijing, China, Denmark, in December 2012. The revised full papers presented were carefully reviewed and selected from numerous submissions. They cover a wide range of topics such as localization and tracking, search and discovery, classification and profiling, context awareness and architecture, location and activity recognition. The proceedings also include papers from the best paper session and the industry track, as well as poster and demo papers.

Quality of Service Architectures for Wireless Networks: Performance Metrics and Management Springer Nature

The growth of internet access and the entry of smartphones into everyday life has provided a revolutionary way for consumers to interact with businesses throughout the tourist industry. As a result, numerous companies are utilizing techniques and concepts designed to communicate directly with potential clientele all over the world. Digital Marketing Strategies for Tourism, Hospitality, and Airline Industries provides innovative insights into how digital marketing can influence the consumer relationship at every stage of the tourism process and features emerging tools and techniques to establish better connections with consumers. The content within this publication examines topics such as branding strategies, social media, and influencer

marketing for maximum content exposure. This information is designed for marketing managers, executives, event planners, tour developers, hotel managers, airline managers, program directors, advertisers, restaurateurs, students, business professionals, and researchers.

Network Routing Springer Nature

Integration of IoT with Cloud Computing for Smart Applications provides an integrative overview of the Internet of Things (IoT) and cloud computing to be used for the various futuristic and intelligent applications. The aim of this book is to integrate IoT and cloud computing to translate ordinary resources into smart things. Discussions in this book include a broad and integrated perspective on the collaboration, security, growth of cloud infrastructure, and real-time data monitoring. Features: Presents an integrated approach to solve the problems related to security, reliability, and energy consumption. Explains a unique approach to discuss the research challenges and opportunities in the field of IoT and cloud computing. Discusses a novel approach for smart agriculture, smart healthcare systems, smart cities and many other modern systems based on machine learning, artificial intelligence, and big data, etc. Information presented in a simplified way for students, researchers, academicians and scientists, business innovators and entrepreneurs, management professionals and practitioners. This book can be great reference for graduate and postgraduate students, researchers, and academicians working in the field of computer science, cloud computing, artificial intelligence, etc.

Representation Learning for Natural Language Processing John Wiley and Sons

Wheeled Mobile Robotics: From Fundamentals Towards

Autonomous Systems covers the main topics from the wide area of mobile robotics, explaining all applied theory and application. The book gives the reader a good foundation, enabling them to continue to more advanced topics. Several examples are included for better understanding, many of them accompanied by short MATLAB® script code making it easy to reuse in practical work. The book includes several examples of discussed methods and projects for wheeled mobile robots and some advanced methods for their control and localization. It is an ideal resource for those seeking an understanding of robotics, mechanics, and control, and for engineers and researchers in industrial and other specialized research institutions in the field of wheeled mobile robotics. Beginners with basic math knowledge will benefit from the examples, and engineers with an understanding of basic system theory and control will find it easy to follow the more demanding fundamental parts and advanced methods explained. - Offers comprehensive coverage of the essentials of the field that are suitable for both academics and practitioners - Includes several examples of the application of algorithms in simulations and real laboratory projects - Presents foundation in mobile robotics theory before continuing with more advanced topics - Self-sufficient to beginner readers, covering all important topics in the mobile robotics field - Contains specific topics on modeling, control, sensing, path planning, localization, design architectures, and multi-agent systems

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