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Fundamentals of Wireless Communication OPTICAL
NETWORK AND SATELLITE COMMUNICATION
(22647) Fourth Generation Mobile Communication
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Journal Digital Electronics

A clear and concise resource on Windows networking,
perfect for IT beginners Did you know that nearly 85% of
IT support roles require a good understanding of
networking concepts? If you are looking to advance your
IT career, you will need a foundational understanding of

Windows networking. Network Fundamentals covers everything you need to know about network infrastructures, hardware, protocols, and services. You will learn everything you need to gain the highly in-demand Networking Fundamentals MTA Certification. This entry-level credential could be your first step into a rewarding, stable and lucrative IT career. This new Sybex guide covers the basics of networking starting from the “ground level,” so no previous IT knowledge is required. Each chapter features approachable discussion of the latest networking technologies and concepts, closing with a quiz so you can test your knowledge before moving to the next section. Even if you are brand new to computers, Network Fundamentals will guide you to confidence and mastery. Understand wired and wireless networks in every detail Learn everything you need to attain the Networking Fundamentals MTA Certification Test your knowledge with end-of-chapter quiz questions Understand internet protocol (IP) and categorize IPv4 addresses Work with networking services and area networks Define network infrastructures and network security, including intranets, extranets, and VPNs Beginning and established IT professionals looking to understand more about networking will gain the knowledge to create a network diagram and confidently explain basic networking concepts. Thanks to the features in this book, you will be able to apply your new networking skills in real world situations and feel confident when taking the certification

test. The first edition of Satellite Communications Systems Engineering (Wiley 2008) was written for those concerned with the design and performance of satellite communications systems employed in fixed point to point, broadcasting, mobile, radio navigation, data relay, computer communications, and related satellite based applications. This welcome Second Edition continues the basic premise and enhances the publication with the latest updated information and new technologies developed since the publication of the first edition. The book is based on graduate level satellite communications course material and has served as the primary text for electrical engineering Masters and Doctoral level courses in satellite communications and related areas. Introductory to advanced engineering level students in electrical, communications and wireless network courses, and electrical engineers, communications engineers, systems engineers, and wireless network engineers looking for a refresher will find this essential text invaluable. A collection of original contributions by researchers who work at the forefront of a new field, lying at the intersection of computer vision and computer graphics. Several original approaches are presented to the integration of computer vision and graphics techniques to aid in the realistic modelling of objects and scenes, interactive computer graphics, augmented reality, and virtual studios. Numerous applications are also discussed, including urban and archaeological site modelling,

modelling dressed humans, medical visualisation, figure and facial animation, real-time 3D teleimmersion telecollaboration, augmented reality as a new user interface concept, and augmented reality in the understanding of underwater scenes. Wireless communication is one of the fastest growing fields in the engineering world today. Rapid growth in the domain of wireless communication systems, services and application has drastically changed the way we live, work and communicate. Wireless communication offers a broad and dynamic technological field, which has stimulated incredible excitements and technological advancements over last few decades. The expectations from wireless communication technology are increasing every day. This is placing enormous challenges to wireless system designers. Moreover, this has created an ever increasing demand for conceptually strong and well versed communication engineers who understand the wireless technology and its future possibilities. In recent years, significant progress in wireless communication system design has taken place, which will continue in future. Especially for last two decades, the research contributions in wireless communication system design have resulted in several new concepts and inventions at remarkable speed. A text book is indeed required to offer familiarity with such developments and underlying concepts, to be taught in the classroom to future engineers. This is one of the motivations for writing this book. Practically no book can

be up to date in this field, due to the fast ongoing research and developments. The new developments are announced almost every day. Teaching directly from the research papers in the classroom cannot build the necessary foundation. Therefore need for a textbook is unavoidable, which is integral to learning, and is an essential source to build the concept. The prime goal of this book is to cooperate in the learning process. The book covers all the fundamentals of satellites, ground control systems, and earth stations, considering the design and operation of each major segment. You gain a practical understanding of the basic construction and usage of commercial satellite networks. How parts of a satellite system function, how various components interact, which role each component plays, and which factors are the most critical to success." This textbook takes a unified view of the fundamentals of wireless communication and explains cutting-edge concepts in a simple and intuitive way. An abundant supply of exercises make it ideal for graduate courses in electrical and computer engineering and it will also be of great interest to practising engineers. This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. The Principles and Practice of Cryptography and Network Security Stallings' Cryptography and Network Security, Seventh Edition, introduces the reader to the compelling and evolving field of cryptography and network security. In an

age of viruses and hackers, electronic eavesdropping, and electronic fraud on a global scale, security is paramount. The purpose of this book is to provide a practical survey of both the principles and practice of cryptography and network security. In the first part of the book, the basic issues to be addressed by a network security capability are explored by providing a tutorial and survey of cryptography and network security technology. The latter part of the book deals with the practice of network security: practical applications that have been implemented and are in use to provide network security. The Seventh Edition streamlines subject matter with new and updated material — including Sage, one of the most important features of the book. Sage is an open-source, multiplatform, freeware package that implements a very powerful, flexible, and easily learned mathematics and computer algebra system. It provides hands-on experience with cryptographic algorithms and supporting homework assignments. With Sage, the reader learns a powerful tool that can be used for virtually any mathematical application. The book also provides an unparalleled degree of support for the reader to ensure a successful learning experience. Despite the proliferation of new communications technologies, the decades-old satellite industry is shifting with the times. Now in its second edition, this guide addresses the myriad aspects of the technology in its current form and explores the paths it is expected to take in the future. Thorough coverage of basic

digital communication system principles ensures that readers are exposed to all basic relevant topics in digital communication system design. The use of CD player and JPEG image coding standard as examples of systems that employ modern communication principles allows readers to relate the theory to practical systems. Over 180 worked-out examples throughout the book aids readers in understanding basic concepts. Over 480 problems involving applications to practical systems such as satellite communications systems, ionospheric channels, and mobile radio channels gives readers ample opportunity to practice the concepts they have just learned. With an emphasis on digital communications, *Communication Systems Engineering, Second Edition* introduces the basic principles underlying the analysis and design of communication systems. In addition, this book gives a solid introduction to analog communications and a review of important mathematical foundation topics. New material has been added on wireless communication systems—GSM and CDMA/IS-94; turbo codes and iterative decoding; multicarrier (OFDM) systems; multiple antenna systems. Includes thorough coverage of basic digital communication system principles—including source coding, channel coding, baseband and carrier modulation, channel distortion, channel equalization, synchronization, and wireless communications. Includes basic coverage of analog modulation such as amplitude modulation, phase modulation, and frequency modulation

as well as demodulation methods. For use as a reference for electrical engineers for all basic relevant topics in digital communication system design. Designing distributed computing systems is a complex process requiring a solid understanding of the design problems and the theoretical and practical aspects of their solutions. This comprehensive textbook covers the fundamental principles and models underlying the theory, algorithms and systems aspects of distributed computing. Broad and detailed coverage of the theory is balanced with practical systems-related issues such as mutual exclusion, deadlock detection, authentication, and failure recovery.

Algorithms are carefully selected, lucidly presented, and described without complex proofs. Simple explanations and illustrations are used to elucidate the algorithms.

Important emerging topics such as peer-to-peer networks and network security are also considered. With vital algorithms, numerous illustrations, examples and homework problems, this textbook is suitable for advanced undergraduate and graduate students of electrical and computer engineering and computer science. Practitioners in data networking and sensor networks will also find this a valuable resource.

Additional resources are available online at www.cambridge.org/9780521876346. This book deals with the development of so-called fourth generation mobile communications or 4G. It covers all aspects of the technology in a form comprehensible to the general

reader, a history of its implementation on a worldwide basis and information on how it will be used to improve business transactions. It is up-to-date, comprehensive, and is based upon information acquired from well over one thousand individual sources. All of the data are set up in a manner that simplifies comparisons between countries and service providers. Based on the extensive analysis of the different contexts and progress of 4G technology, future prospects for high-speed mobile communications are also presented. ? Business managers in developing countries would find in this volume a solid background to e-commerce at large, and to its significance within a wider framework of a resource-based view of their business and of the national economic settings within which they operate. The book is of special importance to the academic community of Internet students, as well as for those interested in economic development, by providing a pioneering insight into the issue of e-commerce in developing countries which may emerge strongly in the upcoming years. Aharon Kellerman, Growth and Change Undoubtedly an important contribution. E-commerce is a technology which holds the possibility of levelling the global trading playing field. This book provides a necessary review of current issues in e-commerce in developing economies, and a useful collection of good practice and solid theory for scholars, policymakers and professionals. John Peters, Emerald Group Publishing Limited, UK This is a road map of

some of the challenges governments and companies face, in terms of physical and human infrastructure, as countries wrestle with a rapidly changing commercial environment. As the virtual world conquers ever more of the material world, countries that adapt and adopt to a cyber reality will likely do better. If you are doing business or setting policy in a developing country, you want to understand and address the issues raised in this book. Juan Enriquez, CEO, Biotechonomy, US and author of *The Untied States of America* and *As the Future Catches You* The authors of this unique volume provide a timely and valuable perspective on how technology and the Internet revolution are changing business and spurring development across the world, especially in emerging countries. Utilizing a framework grounded in rigorous theory, they provide a fine-grained understanding of electronic commerce adoption processes by public and private sector entities in developing countries. In so doing, they consider how each exchange encounter is shaped by, and in turn shapes, relational characteristics that form the basis for growth and development. Using a resource-based view of economies, the authors hypothesize that differences in the adoption of electronic commerce technologies in developing economies can be attributed to a sense-and-respond capability of governments with respect to new technologies, which they term technological opportunism . One of their main objectives is to establish the distinctiveness of technology

opportunities from related constructs, such as innovativeness, and show that it offers a significantly better explanation of technology adoption and diffusion than do existing constructs. The book examines a number of developing countries experiences with electronic government, bringing real life experience to the adoption of an e-government model by looking at the issue from strategic as well as operational perspectives. The volume s ground-breaking research and conclusions will be of great interest to professionals, researchers and students in the areas of e-commerce and economic development; government officials of developing and newly industrialized countries contemplating e-government initiatives; and information technology managers.

Introduction, datacommunications, information theory, introduction to local area networks. Internet protocols ...

This book constitutes the refereed proceedings of the 23st International Symposium on VLSI Design and Test, VDAT 2019, held in Indore, India, in July 2019. The 63 full papers were carefully reviewed and selected from 199 submissions. The papers are organized in topical sections named: analog and mixed signal design; computing architecture and security; hardware design and optimization; low power VLSI and memory design; device modelling; and hardware implementation. This Book, Telecommunication Switching And Networks Is Intended To Serve As A Textbook For Undergraduate Course Of Information Technology, Electronics And

Communication Engineering, And Telecommunication Engineering. Telecommunication Switching Is Fastgrowing Field And Enormous Research And Development Are Undertaken By Various Organisations And Firms. This Book Provides An In-Depth Knowledge On Telecommunication Switching And A Good Background For Advanced Studies In Communication Networks. For Best Understanding, More Diagrams (202), Tables (35) And Related Websites, Which Provide Sufficient Information Have Been Added. This book provides a thorough overview of cutting-edge research on electronics applications relevant to industry, the environment, and society at large. It covers a broad spectrum of application domains, from automotive to space and from health to security, while devoting special attention to the use of embedded devices and sensors for imaging, communication and control. The book is based on the 2015 ApplePies Conference, held in Rome, which brought together researchers and stakeholders to consider the most significant current trends in the field of applied electronics and to debate visions for the future. Areas addressed by the conference included information communication technology; biotechnology and biomedical imaging; space; secure, clean and efficient energy; the environment; and smart, green and integrated transport. As electronics technology continues to develop apace, constantly meeting previously unthinkable targets, further attention needs to be directed toward the

electronics applications and the development of systems that facilitate human activities. This book, written by industrial and academic professionals, represents a valuable contribution in this endeavor. *Computer Networks: A Systems Approach, Fifth Edition*, explores the key principles of computer networking, with examples drawn from the real world of network and protocol design. Using the Internet as the primary example, this best-selling and classic textbook explains various protocols and networking technologies. The systems-oriented approach encourages students to think about how individual network components fit into a larger, complex system of interactions. This book has a completely updated content with expanded coverage of the topics of utmost importance to networking professionals and students, including P2P, wireless, network security, and network applications such as e-mail and the Web, IP telephony and video streaming, and peer-to-peer file sharing. There is now increased focus on application layer issues where innovative and exciting research and design is currently the center of attention. Other topics include network design and architecture; the ways users can connect to a network; the concepts of switching, routing, and internetworking; end-to-end protocols; congestion control and resource allocation; and end-to-end data. Each chapter includes a problem statement, which introduces issues to be examined; shaded sidebars that elaborate on a topic or introduce a related advanced topic; What's Next?

discussions that deal with emerging issues in research, the commercial world, or society; and exercises. This book is written for graduate or upper-division undergraduate classes in computer networking. It will also be useful for industry professionals retraining for network-related assignments, as well as for network practitioners seeking to understand the workings of network protocols and the big picture of networking. Completely updated content with expanded coverage of the topics of utmost importance to networking professionals and students, including P2P, wireless, security, and applications. Increased focus on application layer issues where innovative and exciting research and design is currently the center of attention. Free downloadable network simulation software and lab experiments manual available. Digital Signage gives you macro and micro views of the burgeoning digital signage industry. Whether you are looking for new opportunities or to expand your business, with this book you will be able to clearly understand and accurately analyze the developments, trends and projections. As part of the NAB Executive Technology Briefing series, this book features the future impact of the technology across many different industries and platforms. Explanations of hardware such as displays, servers, and PCs, software such as dynamic on-screen content and software management programs, and technologies like systems integrations and network infrastructures are all covered. Explore the emerging

definitions, protocols, and standards for SDN—software-defined, software-driven, programmable networks—with this comprehensive guide. Two senior network engineers show you what's required for building networks that use software for bi-directional communication between applications and the underlying network infrastructure. This vendor-agnostic book also presents several SDN use cases, including bandwidth scheduling and manipulation, input traffic and triggered actions, as well as some interesting use cases around big data, data center overlays, and network-function virtualization. Discover how enterprises and service providers alike are pursuing SDN as it continues to evolve. Explore the current state of the OpenFlow model and centralized network control. Delve into distributed and central control, including data plane generation. Examine the structure and capabilities of commercial and open source controllers. Survey the available technologies for network programmability. Trace the modern data center from desktop-centric to highly distributed models. Discover new ways to connect instances of network-function virtualization and service chaining. Get detailed information on constructing and maintaining an SDN network topology. Examine an idealized SDN framework for controllers, applications, and ecosystems. The fundamentals and implementation of digital electronics are essential to understanding the design and working of consumer/industrial electronics, communications, embedded systems, computers, security

and military equipment. Devices used in applications such as these are constantly decreasing in size and employing more complex technology. It is therefore essential for engineers and students to understand the fundamentals, implementation and application principles of digital electronics, devices and integrated circuits. This is so that they can use the most appropriate and effective technique to suit their technical need. This book provides practical and comprehensive coverage of digital electronics, bringing together information on fundamental theory, operational aspects and potential applications. With worked problems, examples, and review questions for each chapter, Digital Electronics includes: information on number systems, binary codes, digital arithmetic, logic gates and families, and Boolean algebra; an in-depth look at multiplexers, de-multiplexers, devices for arithmetic operations, flip-flops and related devices, counters and registers, and data conversion circuits; up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, microcontrollers, digital troubleshooting and digital instrumentation. A comprehensive, must-read book on digital electronics for senior undergraduate and graduate students of electrical, electronics and computer engineering, and a valuable reference book for professionals and researchers. Chapter 1: System Studies -- Chapter 2: Drawings and Diagrams -- Chapter 3: Substation Layouts -- Chapter 4: Substation Auxiliary

Power Supplies -- Chapter 5: Current and Voltage
Transformers -- Chapter 6: Insulators -- Chapter 7:
Substation Building Services -- Chapter 8: Earthing and
Bonding -- Chapter 9: Insulation Co-ordination -- Chapter
10: Relay Protection -- Chapter 11: Fuses and Miniature
Circuit Breakers -- Chapter 12: Cables -- Chapter 13:
Switchgear -- Chapter 14: Power Transformers -- Chapter
15: Substation and Overhead Line Foundations -- Chapter
16: Overhead Line Routing -- Chapter 17: Structures,
Towers and Poles -- Chapter 18: Overhead Line
Conductor and Technical Specifications -- Chapter 19:
Testing and Commissioning -- Chapter 20:
Electromagnetic Compatibility -- Chapter 21: Supervisory
Control and Data Acquisition -- Chapter 22: Project
Management -- Chapter 23: Distribution Planning --
Chapter 24: Power Quality- Harmonics in Power Systems
-- Chapter 25: Power Qual ... This book makes an
important contribution by comparing the experiences of
white and Latina women who own and operate businesses
in the U.S. economy. While accounting for the
significance of gender, ethnicity, and social class, Davies-
Netzley explores the various pathways that women take to
becoming entrepreneurs and the economic, social, and
cultural capital they use along the way. An introduction to
the engineering principles of embedded systems, with a
focus on modeling, design, and analysis of cyber-physical
systems. The most visible use of computers and software
is processing information for human consumption. The

vast majority of computers in use, however, are much less visible. They run the engine, brakes, seatbelts, airbag, and audio system in your car. They digitally encode your voice and construct a radio signal to send it from your cell phone to a base station. They command robots on a factory floor, power generation in a power plant, processes in a chemical plant, and traffic lights in a city. These less visible computers are called embedded systems, and the software they run is called embedded software. The principal challenges in designing and analyzing embedded systems stem from their interaction with physical processes. This book takes a cyber-physical approach to embedded systems, introducing the engineering concepts underlying embedded systems as a technology and as a subject of study. The focus is on modeling, design, and analysis of cyber-physical systems, which integrate computation, networking, and physical processes. The second edition offers two new chapters, several new exercises, and other improvements. The book can be used as a textbook at the advanced undergraduate or introductory graduate level and as a professional reference for practicing engineers and computer scientists. Readers should have some familiarity with machine structures, computer programming, basic discrete mathematics and algorithms, and signals and systems. Cloud computing has become a significant technology trend. Experts believe cloud computing is currently reshaping information technology and the IT marketplace.

The advantages of using cloud computing include cost savings, speed to market, access to greater computing resources, high availability, and scalability. Handbook of Cloud Computing includes contributions from world experts in the field of cloud computing from academia, research laboratories and private industry. This book presents the systems, tools, and services of the leading providers of cloud computing; including Google, Yahoo, Amazon, IBM, and Microsoft. The basic concepts of cloud computing and cloud computing applications are also introduced. Current and future technologies applied in cloud computing are also discussed. Case studies, examples, and exercises are provided throughout. Handbook of Cloud Computing is intended for advanced-level students and researchers in computer science and electrical engineering as a reference book. This handbook is also beneficial to computer and system infrastructure designers, developers, business managers, entrepreneurs and investors within the cloud computing related industry.

Publisher Description This is a thorough introduction to the concepts underlying networking technology, from physical carrier media to protocol suites (for example, TCP/IP). The author includes historical material to show the logic behind the development of a given mechanism, and also includes comprehensive discussions of increasingly important material, such as B-ISDN (Broadband Integrated Services Digital Network) and ATM (Asynchronous Transmission Mode). The clear,

easy-to-understand introduction to digital communications Completely updated coverage of today's most critical technologies Step-by-step implementation coverage Trellis-coded modulation, fading channels, Reed-Solomon codes, encryption, and more Exclusive coverage of maximizing performance with advanced "turbo codes" "This is a remarkably comprehensive treatment of the field, covering in considerable detail modulation, coding (both source and channel), encryption, multiple access and spread spectrum. It can serve both as an excellent introduction for the graduate student with some background in probability theory or as a valuable reference for the practicing communication system engineer. For both communities, the treatment is clear and well presented." - Andrew Viterbi, The Viterbi Group Master every key digital communications technology, concept, and technique. Digital Communications, Second Edition is a thoroughly revised and updated edition of the field's classic, best-selling introduction. With remarkable clarity, Dr. Bernard Sklar introduces every digital communication technology at the heart of today's wireless and Internet revolutions, providing a unified structure and context for understanding them -- all without sacrificing mathematical precision. Sklar begins by introducing the fundamentals of signals, spectra, formatting, and baseband transmission. Next, he presents practical coverage of virtually every contemporary modulation, coding, and signal processing technique, with numeric

examples and step-by-step implementation guidance. Coverage includes: Signals and processing steps: from information source through transmitter, channel, receiver, and information sink Key tradeoffs: signal-to-noise ratios, probability of error, and bandwidth expenditure Trellis-coded modulation and Reed-Solomon codes: what's behind the math Synchronization and spread spectrum solutions Fading channels: causes, effects, and techniques for withstanding fading The first complete how-to guide to turbo codes: squeezing maximum performance out of digital connections Implementing encryption with PGP, the de facto industry standard Whether you're building wireless systems, xDSL, fiber or coax-based services, satellite networks, or Internet infrastructure, Sklar presents the theory and the practical implementation details you need. With nearly 500 illustrations and 300 problems and exercises, there's never been a faster way to master advanced digital communications. CD-ROM INCLUDED The CD-ROM contains a complete educational version of Elanix' SystemView DSP design software, as well as detailed notes for getting started, a comprehensive DSP tutorial, and over 50 additional communications exercises. This comprehensive volume introduces educational units dealing with important topics in Mathematics, Modelling and Algorithms. Key Features: Illustrative examples and exercises Comprehensive bibliography 55% new material in the latest edition of this “must-have for students and

practitioners of image & video processing! This Handbook is intended to serve as the basic reference point on image and video processing, in the field, in the research laboratory, and in the classroom. Each chapter has been written by carefully selected, distinguished experts specializing in that topic and carefully reviewed by the Editor, Al Bovik, ensuring that the greatest depth of understanding be communicated to the reader. Coverage includes introductory, intermediate and advanced topics and as such, this book serves equally well as classroom textbook as reference resource.

- Provides practicing engineers and students with a highly accessible resource for learning and using image/video processing theory and algorithms
- Includes a new chapter on image processing education, which should prove invaluable for those developing or modifying their curricula
- Covers the various image and video processing standards that exist and are emerging, driving today's explosive industry
- Offers an understanding of what images are, how they are modeled, and gives an introduction to how they are perceived
- Introduces the necessary, practical background to allow engineering students to acquire and process their own digital image or video data
- Culminates with a diverse set of applications chapters, covered in sufficient depth to serve as extensible models to the reader's own potential applications

About the Editor... Al Bovik is the Cullen Trust for Higher Education Endowed Professor at The University of Texas at Austin, where he

is the Director of the Laboratory for Image and Video Engineering (LIVE). He has published over 400 technical articles in the general area of image and video processing and holds two U.S. patents. Dr. Bovik was Distinguished Lecturer of the IEEE Signal Processing Society (2000), received the IEEE Signal Processing Society Meritorious Service Award (1998), the IEEE Third Millennium Medal (2000), and twice was a two-time Honorable Mention winner of the international Pattern Recognition Society Award. He is a Fellow of the IEEE, was Editor-in-Chief, of the IEEE Transactions on Image Processing (1996-2002), has served on and continues to serve on many other professional boards and panels, and was the Founding General Chairman of the IEEE International Conference on Image Processing which was held in Austin, Texas in 1994. * No other resource for image and video processing contains the same breadth of up-to-date coverage * Each chapter written by one or several of the top experts working in that area * Includes all essential mathematics, techniques, and algorithms for every type of image and video processing used by electrical engineers, computer scientists, internet developers, bioengineers, and scientists in various, image-intensive disciplines

Appropriate for Computer Networking or Introduction to Networking courses at both the undergraduate and graduate level in Computer Science, Electrical Engineering, CIS, MIS, and Business Departments.

Tanenbaum takes a structured approach to explaining how

networks work from the inside out. He starts with an explanation of the physical layer of networking, computer hardware and transmission systems; then works his way up to network applications. Tanenbaum's in-depth application coverage includes email; the domain name system; the World Wide Web (both client- and server-side); and multimedia (including voice over IP, Internet radio video on demand, video conferencing, and streaming media. I am glad to present the book entitled "Mobile and Wireless Communication" for Third Year (Sixth Semester) Diploma in Electronics Engineering as per SBTE's New Revised syllabus. I have observed the students facing extreme difficulties in understanding the basic principles and fundamental concepts. To meet this basic requirement of students, sincere efforts have been made to present the subject matter with frequent use of figures. This textbook offers a comprehensive introduction to the methodological and technical knowledge necessary for the development of embedded systems. At first, the foundations of embedded systems from the fields of electronics, systems theory and control theory are introduced for computer scientists and engineers without extensive knowledge of electrical engineering. Subsequently, system components as well as digital communication between embedded system nodes are discussed. The book ends with procedures for the analysis of embedded systems and for real-time processing. It is aimed at students and users of computer

science as well as engineers, physicists and mathematicians who are interested in the basics of developing embedded systems.

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