

# Access Free Sensor Networks Siva Ram Murthy Pdf Free Copy

Ad Hoc Wireless Networks Ad Hoc Wireless Networks Resource Management in Real-time Systems and Networks PARALLEL COMPUTERS ARCHITECTURE AND PROGRAMMING WDM Optical Networks Ad Hoc Wireless Networks Architectures And Protocols Ad hoc wireless networkd: Architectures and protocols Karma and Other Stories New Parallel Algorithms for Direct Solution of Linear Equations PARALLEL COMPUTERS Distributed Computing and Networking An Analytical Approach to Optical Burst Switched Networks Merging with Siva Distributed Computing and Networking Mobile Ad Hoc Networking Emerging Optical Network Technologies The Handbook of Optical Communication Networks Optical WDM Networks Optical Networks — Recent Advances Scheduling in Distributed Computing Systems Handbook on Theoretical and Algorithmic Aspects of Sensor, Ad Hoc Wireless, and Peer-to-Peer Networks Tibetan Medicinal Plants Advances in Small Satellite Technologies Adiyogi Self-Organization in Sensor and Actor Networks Advances in Computing and Communications, Part IV Dependable Network Computing Ad Hoc and Sensor Networks Lord Siva and His Worship The Laws of the Spirit World High Performance Computing – HiPC 2005 Complex Networks Advanced Computer Architecture and Parallel Processing High Performance Computing - HiPC 2008 Advances in Computer Science and Information Technology Advanced Wireless Communications and Networks High Performance Computing - HiPC 2006 Distributed Computing and Networking High Performance Computing - HiPC 2002 Journal of the Indian Institute of Science

The essential guide to the state of the art in WDM and its vast networking potential As a result of its huge transmission capacity and countless other advantages, fiber optics has fostered a bandwidth revolution, addressing the constantly growing demand for increased bandwidth. Within this burgeoning area, Wavelength Division Multiplexing (WDM) has emerged as a breakthrough technology for exploiting the capacity of optical fibers. Today, WDM is deployed by many network providers for point-to-point transmission-but there is strong momentum to develop it as a full-fledged networking technology in its own right. The telecommunications industry, network service providers, and research communities worldwide are paying close attention. Optical WDM Networks presents an easy-to-follow introduction to basic concepts, key issues, effective solutions, and state-of-the-art technologies for wavelength-routed WDM networks. Responding to the need for resources focused on the networking potential of WDM, the book is organized in terms of the most important networking aspects, such as: \* Network control architecture \* Routing and wavelength assignment \* Virtual topology design and reconfiguration \* Distributed lightpath control and management \* Optical-layer protection and restoration \* IP over WDM \* Trends for the future in optical networks Each chapter includes examples and problems that illustrate and offer practical application of concepts, as well as extensive references for further reading. This is an essential resource for professionals and students in electrical engineering, computer engineering, and computer science as well as network engineers, designers, planners, operators, and managers who seek a backbone of knowledge in optical networks. This book constitutes the refereed proceedings of the 12th International Conference on High-Performance Computing, HiPC 2005, held in Goa, India in December 2005. The 50 revised full papers presented were carefully reviewed and selected from 362 submissions. After the keynote section and the presentation of the 2 awarded best contributions the papers are organized in topical sections on algorithms, applications, architecture, systems software, communication networks, and systems and networks. This volume contains select papers presented during the 1st International Conference on Small Satellites, discussing the latest research and developments relating to small satellite technology. The papers cover various issues relating to design and engineering, ranging from the control, mechanical and thermal systems to the sensors, antennas and RF systems used. The volume will be of interest to scientists and engineers working on or utilizing satellite and space technologies. This book intends to inculcate the innovative ideas for the scheduling aspect in distributed computing systems. Although the models in this book have been designed for distributed systems, the same information is applicable for any type of system. The book will dramatically improve the design and management of the processes for industry professionals. It deals exclusively with the scheduling aspect, which finds little space in other distributed operating system books. Structured for a professional audience composed of researchers and practitioners in industry, this book is also suitable as a reference for graduate-level students. The Up-to-Date Guide to Complex Networks for Students, Researchers, and Practitioners Networks with complex and irregular connectivity patterns appear in biology, chemistry, communications, social networks, transportation systems, power grids, the Internet, and many big data applications. Complex Networks offers a novel engineering perspective on these networks, focusing on their key communications, networking, and signal processing dimensions. Three leading researchers draw on recent advances to illuminate the design and characterization of complex computer networks and graph signal processing systems. The authors cover both the fundamental concepts underlying graph theory and complex networks, as well as current theory and research. They discuss spectra and signal processing in complex networks, graph signal processing approaches for extracting information from structural data, and advanced techniques for multiscale analysis. What makes networks complex, and how to successfully characterize them Graph theory foundations, definitions, and concepts Full chapters on small-world, scale-free, small-world wireless mesh, and small-world wireless sensor networks Complex network spectra and graph signal processing concepts and techniques Multiscale analysis via transforms and wavelets This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. Practical design and performance solutions for every ad hoc wireless network Ad Hoc Wireless Networks comprise mobile devices that use wireless transmission for communication. They can be set up anywhere and any time because they eliminate the complexities of infrastructure setup and central administration-and they have enormous commercial and military potential. Now, there's a book that addresses every major issue related to their design and performance. From physical issues up to applications aspects, Mobile Ad Hoc Networking comprehensively covers all areas of the technology, including protocols and models, with an emphasis on the most current research and development in the rapidly growing area of ad hoc networks. All material has been carefully screened for quality and relevance and reviewed by the most renowned and involved experts in the field. Explores the most recent research and development in the rapidly growing area of ad hoc networks. Includes coverage of ad hoc networking trends, possible architectures, and the advantages/limits for future commercial, social, and educational applications. Ad hoc networks have been an intense area of research and development but many products that fully utilize this technology are only now being widely deployed throughout the world. This book is a guide for one who is ready to diligently walk the spiritual path. Great new vistas open up throughout its 365 daily lessons as Gurudeva shares, in the clearest terms, deep metaphysical insights into the nature of God, soul and world, mind, emotions, ultimate realizations, chakras, purpose of life on earth and much, much more. Simple but effective practices are taught: how to remould our nature and karmas, calm the mind, develop self-esteem, begin to meditate, clear up the past and create a bright future. At the same time, the seeker is guided in establishing a regular devotional and yogic practice whereby the gains of his inner life and realizations are stabilized and used in practical ways. The availability of cheaper, faster, and more reliable electronic components has stimulated important advances in computing and communication technologies. Theoretical and algorithmic approaches that address key issues in sensor networks, ad hoc wireless networks, and peer-to-peer networks play a central role in the development of emerging network paradigms. Filling the need for a comprehensive reference on recent developments, Handbook on Theoretical and Algorithmic Aspects of Sensor, Ad Hoc Wireless, and Peer-to-Peer Networks explores two questions: What are the central technical issues in these SAP networks? What are the possible solutions/tools available to address these issues? The editor brings together information from different research disciplines to initiate a comprehensive technical discussion on theoretical and algorithmic approaches to three related fields: sensor networks, ad hoc wireless networks, and peer-to-peer networks. With chapters written by authorities from Motorola, Bell Lab, and Honeywell, the book examines the theoretical and algorithmic aspects of recent developments and highlights future research challenges. The book's coverage includes theoretical and algorithmic methods and tools such as optimization, computational geometry, graph theory, and combinatorics. Although many books have emerged recently in this area, none of them address all three fields in terms of common issues. Computer architecture deals with the physical configuration, logical structure, formats, protocols, and operational sequences for processing data, controlling the configuration, and controlling the operations over a computer. It also encompasses word lengths, instruction codes, and the interrelationships among the main parts of a computer or group of computers. This two-volume set offers a comprehensive coverage of the field of computer organization and architecture. Today, parallel computing arouses enormous interest among students and professionals as it is clear that, as the new millennium progresses, all computers will work in parallel. A basic knowledge of the design and use of parallel computers is, therefore, essential for both students of computing and users of computers. Designed as an introductory-level textbook for the final year undergraduate students of computer science and engineering, this well-organized book covers state-of-the-art principles and techniques for designing and programming parallel computers. In the process, Professor Rajaraman and Dr. Siva Ram Murthy, with their wealth of knowledge and years of teaching and research experience, give a masterly analysis of the various aspects of parallel computing. The book begins with an introduction to the current state and developments in parallel computing, then it goes on to give a detailed discussion on such topics as instruction level parallel processing, architecture of parallel computers, parallel algorithms and parallel programming. Besides, the book gives an in-depth coverage of compiler transformations and operating systems for parallel computers. The text concludes with a chapter on performance evaluation of parallel computers. Interspersed with copious examples and numerous exercises, this timely book should prove to be a handy and treasured volume for students as well as professionals. This book constitutes the refereed proceedings of the 13th International Conference on High-Performance Computing, HiPC 2006, held in Bangalore, India, December 2006. Coverage in this volume includes scheduling and load balancing, network and distributed algorithms, application software, network services, ad-hoc networks, systems software, sensor networks and performance evaluation, as well as routing and data management algorithms. This book constitutes the refereed proceedings of the 9th International Conference on High Performance Computing, HiPC 2002, held in Bangalore, India in December 2002. The 57 revised full contributed

papers and 9 invited papers presented together with various keynote abstracts were carefully reviewed and selected from 145 submissions. The papers are organized in topical sections on algorithms, architecture, systems software, networks, mobile computing and databases, applications, scientific computation, embedded systems, and biocomputing. Self-Organization in Sensor and Actor Networks explores self-organization mechanisms and methodologies concerning the efficient coordination between intercommunicating autonomous systems. Self-organization is often referred to as the multitude of algorithms and methods that organise the global behaviour of a system based on inter-system communication. Studies of self-organization in natural systems first took off in the 1960s. In technology, such approaches have become a hot research topic over the last 4-5 years with emphasis upon management and control in communication networks, and especially in resource-constrained sensor and actor networks. In the area of ad hoc networks new solutions have been discovered that imitate the properties of self-organization. Some algorithms for on-demand communication and coordination, including data-centric networking, are well-known examples. Key features include: Detailed treatment of self-organization, mobile sensor and actor networks, coordination between autonomous systems, and bio-inspired networking. Overview of the basic methodologies for self-organization, a comparison to central and hierarchical control, and classification of algorithms and techniques in sensor and actor networks. Explanation of medium access control, ad hoc routing, data-centric networking, synchronization, and task allocation issues. Introduction to swarm intelligence, artificial immune system, molecular information exchange. Numerous examples and application scenarios to illustrate the theory. Self-Organization in Sensor and Actor Networks will prove essential reading for students of computer science and related fields; researchers working in the area of massively distributed systems, sensor networks, self-organization, and bio-inspired networking will also find this reference useful. With the rapid growth of bandwidth demand from network users and the advances in optical technologies, optical networks with multiterabits per-second capacity has received significant interest from both researchers and practitioners. Optical networks deployment raises a number of challenging problems that require innovative solutions, including network architectures, scalable and fast network management, resource efficient routing and wavelength assignment algorithms, QoS support and scheduling algorithms, and switch and router architectures. In this book, we put together some important developments in this exiting area during last several years. Some of the articles are research papers and some are surveys. All articles were reviewed by two reviewers. The paper, "On Dynamic Wavelength Assignment in WDM Optical Networks," by Alanyali gives an overview of some issues in the analysis and synthesis of dynamic wavelength assignment policies for optical WDM networks and illustrates a new method of analysis. The paper by Ellinas and Bala, "Wavelength Assignment Algorithms for WDM Ring Architectures," presents two optimal wavelength assignment algorithms that assign the minimum number of wavelengths between nodes on WDM rings to achieve full mesh connectivity. In the paper, "Optimal Placement of Wavelength Converters in WDM Networks for Parallel and Distributed Computing Systems," Jia et al. This book provides a comprehensive yet easy coverage of ad hoc and sensor networks and fills the gap of existing literature in this growing field. It emphasizes that there is a major interdependence among various layers of the network protocol stack. Contrary to wired or even one-hop cellular networks, the lack of a fixed infrastructure, the inherent mobility, the wireless channel, and the underlying routing mechanism by ad hoc and sensor networks introduce a number of technological challenges that are difficult to address within the boundaries of a single protocol layer. All existing textbooks on the subject often focus on a specific aspect of the technology, and fail to provide critical insights on cross-layer interdependencies. To fully understand these intriguing networks, one need to grasp specific solutions individually, and also the many interdependencies and cross-layer interactions. Today all computers, from tablet/desktop computers to super computers, work in parallel. A basic knowledge of the architecture of parallel computers and how to program them, is thus, essential for students of computer science and IT professionals. In its second edition, the book retains the lucidity of the first edition and has added new material to reflect the advances in parallel computers. It is designed as text for the final year undergraduate students of computer science and engineering and information technology. It describes the principles of designing parallel computers and how to program them. This second edition, while retaining the general structure of the earlier book, has added two new chapters, 'Core Level Parallel Processing' and 'Grid and Cloud Computing' based on the emergence of parallel computers on a single silicon chip popularly known as multicore processors and the rapid developments in Cloud Computing. All chapters have been revised and some chapters are re-written to reflect the emergence of multicore processors and the use of MapReduce in processing vast amounts of data. The new edition begins with an introduction to how to solve problems in parallel and describes how parallelism is used in improving the performance of computers. The topics discussed include instruction level parallel processing, architecture of parallel computers, multicore processors, grid and cloud computing, parallel algorithms, parallel programming, compiler transformations, operating systems for parallel computers, and performance evaluation of parallel computers. Systems of linear equations arise frequently in engineering systems analysis, and methods of solving these systems are an increasing area of research required to improve speed, fault tolerance, and scalability. This book presents new research in the area of solving linear equations. Readers will find that instead of "parallelizing" the usual algorithms, the authors have developed new ones. at the distributed virtual Program Committee meeting. Each paper's review recommendations were carefully checked for consistency; in many instances, the Vice Chairs read the papers themselves when the reviews did not seem sufficient to make a decision. Throughout the reviewing process, I received a tremendous amount of help and advice from General Co-chair Manish Parashar, Steering Chair Viktor Prasanna, and last year's Program Chair Srinivas Aluru; I am very grateful to them. My thanks also go to the Publications Chair Sushil Prasad for his outstanding efforts in putting the proceedings together. Finally, I thank all the authors for their contributions to a high quality technical program. I wish all the attendees a very enjoyable and informative meeting. December 2008 P. Sadayappan Message from the General Co-chairs and the Vice General Co-chairs On behalf of the organizers of the 15th International Conference on High-Performance Computing (HiPC), it is our pleasure to present these proceedings and we hope you will find them exciting and rewarding. The HiPC call for papers, once again, received an overwhelming response, attracting 317 submissions from 27 countries. P. Sadayappan, the Program Chair, and the Program Committee worked with remarkable dedication to put together an outstanding technical program consisting of the 46 papers that appear in these proceedings. This volume is the fourth part of a four-volume set (CCIS 190, CCIS 191, CCIS 192, CCIS 193), which constitutes the refereed proceedings of the First International Conference on Computing and Communications, ACC 2011, held in Kochi, India, in July 2011. The 62 revised full papers presented in this volume were carefully reviewed and selected from a large number of submissions. The papers are the papers of the Workshop on Cloud Computing: Architecture, Algorithms and Applications (CloudComp2011), of the Workshop on Multimedia Streaming (MultiStreams2011), and of the Workshop on Trust Management in P2P Systems (IWTMP2PS2011). In this sparkling collection, award-winning writer Rishi Reddi weaves a multigenerational tapestry of interconnected lives, depicting members of an Indian American community struggling to balance the demands of tradition with the allure of Western life. In "Lord Krishna," a teenager is offended when his evangelical history teacher likens the Hindu deity to Satan, but ultimately forgives the teacher against his father's wishes. In the title story, "Karma," an unemployed professor rescues birds in downtown Boston after his wealthy brother kicks him out of his home. In "Justice Shiva Ram Murthy," which appeared in The Best American Short Stories 2005, an irascible retired judge reconnects with a childhood friend while adjusting to a new life with his daughter and her American husband. In "Devadasi," a beautiful young woman raised in the United States travels back to India and challenges the sexual confines of her culture. And in "Bangles," a widow decides to return to her native village to flee her son's off-putting American ways. Set mostly in the Boston area, with side trips to an isolated immigrant community in Wichita, Kansas, and the characters' hometown of Hyderabad, India, Karma and Other Stories introduces a luminous new voice. This book is a compilation of recent and most popular innovations from the lowest layers to the upper layers of wireless communication networks and consists of "real-time" research developments. The information in this book has been systematically organized in order to make it easily accessible to the readers of all levels. It also preserves the balance between the recent research results and their theoretical support. A huge variety of new techniques in this field are investigated in this book. The authors attempt to present these topics in detail under the following sections wireless communication performance analysis - tools and methods, next generation communication technologies, biological effects of wireless communication, and wireless sensor networks and MANETS. Intelligent and reader-friendly elucidations are provided in this book to serve the readers of all levels, ranging from knowledgeable and practicing communication engineers to beginners or professional researchers. This book constitutes the refereed proceedings of the 13th International Conference on Distributed Computing and Networking, ICDCN 2012, held in Hong Kong, China, during January 3-6, 2012. The 36 revised full papers and 1 short paper presented together with 4 poster papers were carefully reviewed and selected from 100 submissions. The papers address all current issues in the field of distributed computing and networking. Being a leading forum for researchers and practitioners to exchange ideas and share best practices, ICDCN also hosts as a forum for PhD students to discuss their research ideas and get quality feedback from the well-renowned experts in the field of distributed computing and computer networking. This book constitutes the fully refereed proceedings of the 9th International Conference on Distributed Computing and Networking, ICDCN 2008 - formerly known as IWDC (International Workshop on Distributed Computing), held in Kolkata, India, in January 2008. The 30 revised full papers and 27 revised short papers presented together with 3 keynote talks and 1 invited lecture were carefully reviewed and selected from 185 submissions. The papers are organized in topical sections. This book constitutes the fully refereed proceedings of the 9th International Conference on Distributed Computing and Networking, ICDCN 2008 - formerly known as IWDC (International Workshop on Distributed Computing), held in Kolkata, India, in January 2008. The 30 revised full papers and 27 revised short papers presented together with 3 keynote talks and 1 invited lecture were carefully reviewed and selected from 185 submissions. The papers are organized in topical sections. WITH A BRAND NEW LOOK! ON FEBRUARY 22, 1980, KHORSHED AND RUMI BHAVNAGRI'S WORLD WAS SHATTERED. ONE MONTH LATER, A NEW ONE OPENED. Khorshed and Rumi Bhavnagri lost their sons, Vispi and Rato, in a tragic car crash. With both their sons gone, the couple felt they would not survive for long. They had lost all faith in God until a miraculous message from the Spirit World gave them hope and sent them on an incredible journey. This helpful guide provides practicing engineers, students, and researchers with a systematic, up-to-date introduction to the fundamental concepts, challenges, and state-of-the-art developments in WDM optical networks. The authors rely extensively on real-world examples and draw on the latest research to cover optical network design and provisioning in far greater depth than any other book. Optical networks have moved from laboratory settings and theoretical research to real-world deployment and service-oriented explorations. New technologies such as Ethernet PON, traffic grooming, regional and metropolitan network architectures and optical packet switching are being explored, and the landscape is continuously and rapidly evolving. Some of the important issues involving these new technologies involve the architectural, protocol, and performance

related issues. This book addresses many of these issues and presents a birds eye view of some of the more promising technologies. Researchers and those pursuing advanced degrees in this field will be able to see where progress is being made and new technologies are emerging. Emerging Optical Network Technologies: Architectures, Protocols and Performance provides state-of-the-art material written by the most prominent professionals in their respective areas. Practical design and performance solutions for every ad hoc wireless network Ad Hoc Wireless Networks comprise mobile devices that use wireless transmission for communication. They can be set up anywhere and any time because they eliminate the complexities of infrastructure setup and central administration-and they have enormous commercial and military potential. Now, there's a book that addresses every major issue related to their design and performance. Ad Hoc Wireless Networks: Architectures and Protocols presents state-of-the-art techniques and solutions, and supports them with easy-to-understand examples. The book starts off with the fundamentals of wireless networking (wireless PANs, LANs, MANs, WANs, and wireless Internet) and goes on to address such current topics as Wi-Fi networks, optical wireless networks, and hybrid wireless architectures. Coverage includes: Medium access control, routing, multicasting, and transport protocols QoS provisioning, energy management, security, multihop pricing, and much more In-depth discussion of wireless sensor networks and ultra wideband technology More than 200 examples and end-of-chapter problems Ad Hoc Wireless Networks is an invaluable resource for every network engineer, technical manager, and researcher designing or building ad hoc wireless networks. This book presents the state of the art results on modeling and analysis of OBS networks. It provides researchers with new directions for future research and helps them gain a better understanding of modeling OBS networks. This book classifies all the literature on modeling and analysis of OBS networks and serves as a thought provoking material for the researchers working on the analysis of high-speed networks. The scope of this book however is not limited to OBS networks alone but extends to high-speed communication networks with limited or no buffers. This volume constitutes the first of three parts of the refereed proceedings of the First International Conference on Computer Science and Information Technology, CCSIT 2010, held in Bangalore, India, in January 2011. The 59 revised full papers presented in this volume were carefully reviewed and selected. The papers are organized in topical sections on distributed and parallel systems and algorithms; DSP, image processing, pattern recognition, and multimedia; software engineering; database and data Mining; as well as soft computing, such as AI, neural networks, fuzzy systems, etc. The Internet revolution. Once, the public was delighted with 14.4 modem access and fascinated by low-tech Web site content. But not for long. Technology has raced to keep up with users' calls for high-speed facilities and advanced applications. With the development of high-speed transmission media and the availability of high-speed hardware, we are "Shiva does not spell religion. Shiva spells responsibility -- our ability to take our very life process in our hands." -- Sadhguru 'Shi-va' is 'that which is not', a primordial emptiness; Shiva is also the first-ever yogi, Adiyogi, the one who first perceived this emptiness. Adiyogi is symbol and myth, historic figure and living presence, creator and destroyer, outlaw and ascetic, cosmic dancer and passionate lover, all at once. A book like no other, this extraordinary document is a tribute to Shiva, the Adiyogi, by a living yogi; a chronicle of the progenitor of mysticism by a contemporary mystic. Here science and philosophy merge seamlessly, so do silence and sound, question and answer--to capture the unspeakable enigma of Adiyogi in a spellbinding wave of words and ideas that will leave one entranced, transformed. Increasingly, modern medicine relies on so called traditional or ancient medical knowledge. Holistic practices such as adhering to proper diet, observing rules for appropriate behavior, and administering medical preparations are coupled with the latest technology and methods to treat the whole patient. In light of this trend, there is much to be gained from understanding of one of the oldest medical systems still in existence. Tibetan Medicinal Plants provides you a detailed analysis of how Tibetan plants are used in this centuries old system. The book opens with a summary of Tibetan medicine and covers the various habitats in which the plants are found. The main part of this volume encompasses 60 monographs listed by the Tibetan plant name. Each monograph consists of several chapters addressing different topics related either to the Tibetan or the Western approach. Most of the monographs contain a description of the macroscopic and microscopic characteristics of the used plant parts, and anatomical features of 76 plants are provided. Each monograph presents an overview of the known chemical constituents and pharmacological properties of each plant and describes their use in Tibetan medicine. In contrast to other publications on Tibetan medicine, where translations of the Tibetan terms are given in other languages, this book treats the Tibetan word as a technical term, keeps the Tibetan term and explains its meaning, lessening confusion by reducing the number of translations. Traditional Tibetan medicine has been in existence for centuries. Curative practices existed in the prebuddistic era, and the art of healing developed more than 2500 years ago. Tibetan Medicinal Plants provides a comprehensive overview of all plant types, thus making it easier to grasp the Tibetan concept. It gives you a comprehensive look at this centuries old science. This book introduces the concepts and state-of-the-art research developments of resource management in real-time systems and networks. Real-time systems and networks are of increasing importance in many applications, including automated factories, telecommunication systems, defense systems, and space systems. This book introduces the concepts and state-of-the-art research developments of resource management in real-time systems and networks. Unlike other texts in the field, it covers the entire spectrum of issues in resource management, including task scheduling in uniprocessor real-time systems; task scheduling, fault-tolerant task scheduling, and resource reclaiming in multiprocessor real-time systems; conventional task scheduling and object-based task scheduling in distributed real-time systems; message scheduling; QoS routing; dependable communication; multicast communication; and medium access protocols in real-time networks. It provides algorithmic treatments for all of the issues addressed, highlighting the intuition behind each algorithm and giving examples. The book also includes two chapters of case studies. Dependable Network Computing provides insights into various problems facing millions of global users resulting from the 'internet revolution'. It covers real-time problems involving software, servers, and large-scale storage systems with adaptive fault-tolerant routing and dynamic reconfiguration techniques. Also included is material on routing protocols, QoS, and dead- and live-lock free related issues. All chapters are written by leading specialists in their respective fields. Dependable Network Computing provides useful information for scientists, researchers, and application developers building networks based on commercially off-the-shelf components.

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