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KEY=EDITION - ANNA VANESSA

COMMUNICATION CATALOG 2005

FIELD ARTILLERY

A professional bulletin for redlegs.

TECHNICAL ABSTRACT BULLETIN

INSTRUCTOR EDITION

DISCOVERING COMPUTERS 2007

Provides a current and thorough introduction to computers by integrating usage of the World Wide Web with the printed text.

DATA COMMUNICATIONS AND NETWORKING

McGraw-Hill College

THE PUBLISHERS' TRADE LIST ANNUAL

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COMMUNICATION AND ARCHITECTURAL SUPPORT FOR NETWORK-BASED PARALLEL COMPUTING

FIRST INTERNATIONAL WORKSHOP, CANPC'97, SAN ANTONIO, TEXAS, USA, FEBRUARY 1-2, 1997 PROCEEDINGS

Springer Science & Business Media **This book constitutes the refereed proceedings of the First International Workshop on Communication and**

Architectural Support for Network-Based Parallel Computing, CANPC'97, held in San Antonio, Texas, USA, in February 1997. The 19 revised full papers presented were carefully selected from a total of 36 submissions. Among the topics addressed are processor/network interfaces, communication protocols, high-performance network technology, operating systems and architectural issues, and load balancing techniques. All in all, the papers competently describe the state-of-the-art for network-based computing systems.

BOOKS IN PRINT

BRITISH BOOKS IN PRINT

DATA INTENSIVE DISTRIBUTED COMPUTING: CHALLENGES AND SOLUTIONS FOR LARGE-SCALE INFORMATION MANAGEMENT

CHALLENGES AND SOLUTIONS FOR LARGE-SCALE INFORMATION MANAGEMENT

[IGI Global](#) "This book focuses on the challenges of distributed systems imposed by the data intensive applications, and on the different state-of-the-art solutions proposed to overcome these challenges"--Provided by publisher.

ENERGY RESEARCH ABSTRACTS

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SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS

Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database.

MOBILE AND HANDHELD COMPUTING SOLUTIONS FOR ORGANIZATIONS AND END-USERS

[IGI Global](#) **Mobile and Handheld Computing Solutions for Organizations and End-Users** discusses a broad range of topics in order to advance handheld knowledge and apply the proposed methods to real-world issues for organizations and end users. This book brings together researchers and practitioners involved with mobile and handheld computing solutions useful for IT students, researchers, and scholars.

COMPUTER-AIDED ANALYSIS OF DIFFERENCE SCHEMES FOR PARTIAL DIFFERENTIAL EQUATIONS

John Wiley & Sons Advances in computer technology have conveniently coincided with trends in numerical analysis toward increased complexity of computational algorithms based on finite difference methods. It is no longer feasible to perform stability investigation of these methods manually--and no longer necessary. As this book shows, modern computer algebra tools can be combined with methods from numerical analysis to generate programs that will do the job automatically. Comprehensive, timely, and accessible--this is the definitive reference on the application of computerized symbolic manipulations for analyzing the stability of a wide range of difference schemes. In particular, it deals with those schemes that are used to solve complex physical problems in areas such as gas dynamics, heat and mass transfer, catastrophe theory, elasticity, shallow water theory, and more. Introducing many new applications, methods, and concepts, **Computer-Aided Analysis of Difference Schemes for Partial Differential Equations** * Shows how computational algebra expedites the task of stability analysis--whatever the approach to stability investigation * Covers ten different approaches for each stability method * Deals with the specific characteristics of each method and its application to problems commonly encountered by numerical modelers * Describes all basic mathematical formulas that are necessary to implement each algorithm * Provides each formula in several global algebraic symbolic languages, such as MAPLE, MATHEMATICA, and REDUCE * Includes numerous illustrations and thought-provoking examples throughout the text For mathematicians, physicists, and engineers, as well as for postgraduate students, and for anyone involved with numeric solutions for real-world physical problems, this book provides a valuable resource, a helpful guide, and a head start on developments for the twenty-first century.

MANAGING INFORMATION AND COMMUNICATIONS IN A CHANGING GLOBAL ENVIRONMENT

IGI Global Advances of information and communications technologies have created new forces in managing organizations. These forces are leading modern organizations to reassess their current structures to become more effective in the growing global economy. This Proceedings is aimed at the challenges involved in effective utilization and management of technologies in contemporary organizations.

THE MANAGEMENT OF CAD FOR CONSTRUCTION

Springer Science & Business Media In the era of Information Technology, the computer is the machine-tool. Designers and planners are information workers and many have turned to CAD technology, hoping to find

something that will ensure survival in the increasingly competitive business climate. The new problem relates not to any limitations of systems, but to the lack of knowledge on how to implement, manage and control the CAD technology. This book is aimed at design professionals, planners and managers. Although references and examples relate to building and construction work, most of the principles are unlikely to differ whatever the application. As a result, it should be useful in the fields of mechanical engineering and manufacturing industry too. Chapter 13 deals with applications in construction planning, space planning and facilities management. Emphasis throughout is on people, responsibilities, applications, organisation and procedures. The design process is highly interactive. Manual drawing, or use of a computer drafting system to mimic this, inevitably leads to inconsistencies within in the design information. Computer modelling of projects presents better opportunities and the many techniques range from 2-D modelling to solid modelling. A blend of 2-D and 3-D methods to suit the application is essential today. System planning itself requires a carefully managed feasibility study comprising preliminary and detailed phases. Objectives and requirements of the office must be set down. Then there is something to compare the available systems with. The chosen system must be capable of evolving to meet an ever-changing future.

PRINCIPLES OF COMMUNICATIONS

SYSTEMS, MODULATION, AND NOISE

John Wiley & Sons Incorporated Sections on important areas such as spread spectrum, cellular communications, and orthogonal frequency-division multiplexing are provided. * Computational examples are included, illustrating how to use the computer as a simulation tool, thereby allowing waveforms, spectra, and performance curves to be generated. * Overviews of the necessary background in signal, system, probability, and random process theory required for the analog and digital communications topics covered in the book.

STRATEGIC DEFENSE INITIATIVE

SURVIVABILITY AND SOFTWARE

Princeton University Press Strategic Defense Initiative examines developments in the technologies currently being researched under SDI. The OTA does not repeat the work of its earlier reports but gives special attention to filling in gaps in those reports and to describing technical progress made in the intervening period. The report also presents information on the prospects for functional survival against preemptive attack of alternative ballistic missile defense system architectures now being considered under the SDI. Finally, it analyzes the feasibility of developing reliable software to perform the battle management tasks

required by such system architectures. Originally published in 1988. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.

COMPUTERWORLD

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS, COMMUNICATIONS AND COMPUTER SCIENCES

COMPUTER/TELECOM INTEGRATION

THE SCAI SOLUTION

McGraw-Hill Companies The first comprehensive look at Switch-Computer Applications Interface (SCAI). Written by the chair of the SCAI standard committee, this reference presents a clear treatment of an emerging standard and discusses commercial applications illustrated with real-world examples, as well as products and services provided by IBM, Digital, and AT&T across multiple platforms and diverse services.

CATALOG OF COPYRIGHT ENTRIES. THIRD SERIES

1972: JANUARY-JUNE

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COMPUTER SCIENCE AND SCIENTIFIC COMPUTING

PROCEEDINGS OF THE THIRD ICASE CONFERENCE ON SCIENTIFIC COMPUTING, WILLIAMSBURG, VIRGINIA, APRIL 1 AND 2, 1976

Elsevier Computer Science and Scientific Computing contains the proceedings of the Third ICASE Conference on Scientific Computing held in Williamsburg, Virginia, on April 1 and 2, 1976, under the auspices of the Institute for Computer Applications in Systems Engineering at the NASA Langley Research Center. The conference provided a forum for reviewing all the aspects of scientific computing and covered topics ranging from computer-aided design (CAD) and computer science technology to the

design of large hydrodynamics codes. Case studies in reliable computing are also presented. Comprised of 13 chapters, this book begins with an introduction to the use of the hierarchical family concept in the development of scientific programming systems. The discussion then turns to the data structures of scientific computing and their representation and management; some important CAD capabilities required to support aerospace design in the areas of interactive support, information management, and computer hardware advances as well as some computer science developments which may contribute significantly to making such capabilities possible; and the use of symbolic computation systems for problem solving in scientific research. Subsequent chapters deal with computer applications in astrophysics; the possibility of computing turbulence and numerical wind tunnels; and the basis for a general-purpose program for finite element analysis. Software tools for computer graphics are also considered. This monograph will be of value to scientists, systems designers and engineers, and students in computer science who have an interest in the subject of scientific computing.

COMMUNICATION NETWORKS AND COMPUTER SYSTEMS

A TRIBUTE TO PROFESSOR EROL GELENBE

World Scientific Evaluating the performance of communications and computer systems constitutes a challenge. This volume contains contributions and presentations made by international researchers at a workshop which was held in April 2004 to honour Professor Erol Gelenbe on the occasion of his inaugural lecture as the Dennis Gabor Chair at Imperial College London.

CTI HIGHER EDN

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ENGINEERING EDUCATION

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INFOWORLD

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

QUEUEING NETWORKS

CUSTOMERS, SIGNALS AND PRODUCT FORM SOLUTIONS

Wiley Wiley-Interscience Series in Systems and Optimization Queueing Networks Customers, Signals and Product Form Solutions Xiuli Chao, New Jersey Institute of Technology, USA Masakiyo Miyazawa, Science University of Tokyo, Japan Michael Pinedo, New York University, USA 'Mathematically beautiful and elegant yet has much practical application' - Professor Richard Weber The first mathematical analysis of a queueing problem concerned the use of early telephone switches. Since then, emerging technologies such as those in telecommunications and the manufacturing industry have prompted considerable interest and activity in the field. Much of the current research has been enabled by recent, rapid advances in computer technology making large scale simulations and complex approximations possible. Today, queueing systems play an integral role in the performance evaluation and optimization of computer, communication, manufacturing and transportation systems. Includes: * Discussion on the fundamental structures of queueing network models * The latest developments in the field * Thorough examination of numerous applications * Exercises at the end of each chapter * Coverage of queueing networks with signals * Discussion of future research developments With the advances in information technology, many networks have, in addition to conventional jobs, signals and messages circulating throughout the system. A signal carries information and instructions and may trigger complex simultaneous events. The objective of this book is to present, in a unified framework, the latest developments in queueing networks with signals, After introducing the foundations in the first four chapters, Chapters 5 through to 8 cover a number of different queueing network models with various features. Chapters 9 to 11 focus on more fundamental structures of queueing networks and Chapter 12 presents a framework for discrete time queueing network models. The text is illustrated throughout with numerous examples. Graduate students in operations research, computer science, electrical engineering and applied mathematics will find this text accessible and invaluable. An essential reference for operation researchers and computer scientists working on queueing problems in computing, manufacturing and communications networks.

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RESOURCES IN EDUCATION

RESEARCH IN EDUCATION

MODELING AND CONTROL OF DISCRETE-EVENT DYNAMIC SYSTEMS

WITH PETRI NETS AND OTHER TOOLS

Springer Science & Business Media **Discrete-event dynamic systems (DEDS) permeate our world. They are of great importance in modern manufacturing processes, transportation and various forms of computer and communications networking. This book begins with the mathematical basics required for the study of DEDs and moves on to present various tools used in their modeling and control. Industrial examples illustrate the concepts and methods discussed, making this book an invaluable aid for students embarking on further courses in control, manufacturing engineering or computer studies.**

ALGORITHMS FOR COMMUNICATIONS SYSTEMS AND THEIR APPLICATIONS

John Wiley & Sons **This volume presents the logical arithmetical or computational procedures within communications systems that will ensure the solution to various problems. The authors comprehensively introduce the theoretical elements that are at the basis of the field of algorithms for communications systems. Various applications of these algorithms are then illustrated with particular attention to wired and wireless network access technologies. * Provides a complete treatment of algorithms for communications systems, rarely presented together * Introduces the theoretical background to digital communications and signal processing * Features numerous applications including advanced wireless modems and echo cancellation techniques * Includes useful reference lists at the end of each chapter Graduate students in the fields of Telecommunications and Electrical Engineering Researchers and Professionals in the area of Digital Communications, Signal Processing and Computer Engineering will find this book invaluable.**

COMMUNICATION ARTS
