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COMPUTER NETWORKS - BEHROUZ A. FOROUZAN 2011

C# IN DEPTH - JONATHAN SKEET 2019-03-07

EFFECTIVE TECHNIQUES AND EXPERIENCED INSIGHTS TO MAXIMIZE YOUR C# 6 AND 7 PROGRAMMING SKILLS KEY FEATURES WRITTEN BY C# LEGEND AND TOP STACKOVERFLOW CONTRIBUTOR JON SKEET UNLOCK THE NEW FEATURES OF C# 6 AND 7 INSIGHTS ON THE FUTURE OF THE C# LANGUAGE MASTER ASYNCHRONOUS FUNCTIONS, INTERPOLATED STRINGS, TUPLES, AND MORE PURCHASE OF THE PRINT BOOK INCLUDES A FREE eBook IN PDF, KINDLE, AND EPUB FORMATS FROM MANNING PUBLICATIONS. "AN EXCELLENT OVERVIEW OF C# WITH HELPFUL AND REALISTIC EXAMPLES THAT MAKE LEARNING THE NEWEST FEATURES OF C# EASY." —MEREDITH GODAR ABOUT THE BOOK C# IS THE FOUNDATION OF .NET DEVELOPMENT. NEW FEATURES ADDED IN C# 6 AND 7 MAKE IT EASIER TO TAKE ON BIG DATA APPLICATIONS, CLOUD-CENTRIC WEB DEVELOPMENT, AND CROSS-PLATFORM SOFTWARE USING .NET CORE. PACKED WITH DEEP INSIGHT FROM C# GURU JON SKEET, THIS BOOK TAKES YOU DEEP INTO CONCEPTS AND FEATURES OTHER C# BOOKS IGNORE. C# IN DEPTH, FOURTH EDITION IS AN AUTHORITATIVE AND ENGAGING GUIDE THAT REVEALS THE FULL POTENTIAL OF THE LANGUAGE, INCLUDING THE NEW FEATURES OF C# 6 AND 7. IT COMBINES DEEP DIVES INTO THE C# LANGUAGE WITH PRACTICAL TECHNIQUES FOR ENTERPRISE DEVELOPMENT, WEB APPLICATIONS, AND SYSTEMS PROGRAMMING. AS YOU ABSORB THE WISDOM AND TECHNIQUES IN THIS BOOK, YOU'LL WRITE BETTER CODE, AND BECOME AN EXCEPTIONAL TROUBLESHOOTER AND PROBLEM SOLVER. WHAT YOU WILL LEARN COMPREHENSIVE GUIDANCE ON THE NEW FEATURES OF C# 6 AND 7 IMPORTANT LEGACIES AND GREATEST HITS OF C# 2-5 EXPRESSION-BODIED MEMBERS EXTENDED PASS-BY-REFERENCE FUNCTIONALITY WRITING ASYNCHRONOUS C# CODE STRING INTERPOLATION COMPOSITION WITH TUPLES DECOMPOSITION AND PATTERN MATCHING THIS BOOK IS WRITTEN FOR FOR INTERMEDIATE C# DEVELOPERS. ABOUT THE AUTHOR JON SKEET IS A SENIOR SOFTWARE ENGINEER AT GOOGLE. HE STUDIED MATHEMATICS AND COMPUTER SCIENCE AT CAMBRIDGE, IS A RECOGNIZED AUTHORITY IN JAVA AND C#, AND MAINTAINS THE POSITION OF TOP CONTRIBUTOR TO STACK OVERFLOW. TABLE OF CONTENTS 1. SURVIVAL OF THE SHARPEST 2. C# 2 3. C# 3: LINQ AND EVERYTHING THAT COMES WITH IT 4. C# 4: IMPROVING INTEROPERABILITY 5. WRITING ASYNCHRONOUS CODE 6. ASYNC IMPLEMENTATION 7. C# 5 BONUS FEATURES 8. SUPER-SLEEK PROPERTIES AND EXPRESSION-BODIED MEMBERS 9. STRINGY FEATURES 10. A SM² RG² SBORD OF FEATURES FOR CONCISE CODE 11. COMPOSITION USING TUPLES 12. DECONSTRUCTION AND PATTERN MATCHING 13. IMPROVING EFFICIENCY WITH MORE PASS BY REFERENCE 14. CONCISE CODE IN C# 7 15. C# 8 AND BEYOND PART 1 C# IN CONTEXT PART 2 C# 2-5 PART 3 C# 6 PART 4 C# 7 AND BEYOND TCP/IP PROTOCOL SUITE - BEHROUZ A. FOROUZAN 2009-03-25

IN A WORLD WHERE THE NUMBER OF PEOPLE WHO NEED TO LEARN ABOUT DATA COMMUNICATIONS AND NETWORKING IS EXPLODING, FOROUZAN'S BOOK IS THE ANSWER. THE BOOK'S VISUAL APPROACH MAKES IT EASY FOR STUDENTS TO LEARN ABOUT AND UNDERSTAND THE CONCEPTS INVOLVED IN THIS RAPIDLY DEVELOPING FIELD. TCP/IP PROTOCOL SUITE TEACHES STUDENTS AND PROFESSIONALS, WITH NO PRIOR KNOWLEDGE OF TCP/IP EVERYTHING THEY NEED TO KNOW ABOUT THE SUBJECT. THIS COMPREHENSIVE BOOK USES HUNDREDS OF FIGURES TO MAKE TECHNICAL CONCEPTS EASY TO GRASP AS WELL AS MANY EXAMPLES WHICH HELP TIE THE MATERIAL TO THE REAL-WORLD. THE FOURTH EDITION OF TCP/IP PROTOCOL SUITE HAS BEEN FULLY UPDATED TO INCLUDE ALL OF THE RECENT TECHNOLOGY CHANGES IN THE FIELD. ADDITIONALLY, OUT-OF-DATE MATERIAL HAS BEEN OVERHAULED TO REFLECT RECENT CHANGES IN TECHNOLOGY.

COMPUTER NETWORKS - DR. K. RAMESH KUMAR

DICTIONARY OF COMPUTER TERMS - MICHAEL A. COVINGTON 1989

DATA COMMUNICATIONS AND NETWORKING - BEHROUZ A. FOROUZAN 2001-07

FUNDAMENTALS OF COMPUTER NETWORKS - SUDAKSHINA KUNDU 2008-03-09

FOCUSED ON FUNDAMENTAL CONCEPTS AND PRACTICAL APPLICATIONS, THIS BOOK PROVIDES A STRONG FOUNDATION IN THE PRINCIPLES AND TERMINOLOGY OF COMPUTER NETWORKING AND INTERNET TECHNOLOGY. THIS THOROUGHLY REVISED SECOND EDITION, INCORPORATING SOME OF THE LATEST TECHNICAL FEATURES IN NETWORKING, IS SUITABLE FOR INTRODUCTORY ONE-SEMESTER COURSES FOR UNDERGRADUATE STUDENTS OF COMPUTER SCIENCE AND ENGINEERING, ELECTRONICS AND TELECOMMUNICATION ENGINEERING, INFORMATION TECHNOLOGY, AS WELL AS STUDENTS OF COMPUTER APPLICATIONS (BCA AND MCA). THIS TEXT BEGINS WITH AN OVERVIEW OF COMPUTER NETWORKING AND A DISCUSSION ON DATA COMMUNICATION. THEN IT PROCEEDS TO EXPLAIN HOW COMPUTER NETWORKS SUCH AS LOCAL AREA NETWORKS (LANs) AND WIDE AREA NETWORKS (WANs) WORK, AND HOW INTERNETWORKING IS IMPLEMENTED. BESIDES, THE BOOK PROVIDES A DESCRIPTION OF THE INTERNET AND TCP/IP PROTOCOL. WITH THE PROLIFIC GROWTH OF NETWORKING, 'NETWORK MANAGEMENT AND SECURITY' HAS BECOME AN INCREASINGLY IMPORTANT PART OF THE ACADEMIC CURRICULUM. THIS TOPIC HAS BEEN ADEQUATELY DEALT WITH IN A SEPARATE CHAPTER. THE PRACTICAL ASPECTS OF NETWORKING, LISTING THE ESSENTIAL REQUIREMENTS NEEDED FOR ACTUALLY SETTING UP A COMPUTER NETWORK, ARE THOROUGHLY EXPLAINED IN THE FINAL CHAPTER OF THE BOOK. WHAT IS NEW IN THE SECOND EDITION • WIRELESS LAN IN CHAPTER 4 • API AND SOCKET PROGRAMMING AND END-TO-END PROTOCOL IN CHAPTER 7 • REMOTE PROCEDURE CALL (RPC) PROTOCOL IN CHAPTER 8 • DYNAMIC HOST CONFIGURATION PROTOCOL -ERROR REPORTING BY ICMP -VIRTUAL PRIVATE NETWORK

(VPN) IN CHAPTER 9 -NETWORK ADDRESS TRANSLATION (NAT) AN APPENDIX DEALING WITH TELEPHONE NETWORKING, WIRELESS NETWORKING, CELLULAR NETWORKING AND SATELLITE AND TELEMETRY COMMUNICATION HAS BEEN INCLUDED TO MEET THE REQUIREMENTS OF THE STUDENTS.

INTERNATIONAL CONFERENCE ON DIGITAL LIBRARIES (ICDL) 2013 - SHANTANU GANGULY 2013-11-29

ICDL CONFERENCES ARE RECOGNIZED ON OF THE MOST IMPORTANT PLATFORM IN THE WORLD WHERE NOTED EXPERT SHARE THEIR EXPERIENCES. MANY DL EXPERTS HAVE CONTRIBUTED THOUGHT PROVOKING PAPERS IN ICDL 2013. THESE IMPORTANT PAPERS ARE REVIEWED AND CONCEPTUALIZED INTO ICDL ON DIFFERENT AREAS OF DL PROCEEDINGS. THE PROCEEDINGS HAVE TWO VOLUMES AND HAS OVER 1100 PAGES.

ADVANCED COMPUTER AND COMMUNICATION ENGINEERING TECHNOLOGY - HAMZAH ASYRANI SULAIMAN 2014-11-01

THIS BOOK COVERS DIVERSE ASPECTS OF ADVANCED COMPUTER AND COMMUNICATION ENGINEERING, FOCUSING SPECIFICALLY ON INDUSTRIAL AND MANUFACTURING THEORY AND APPLICATIONS OF ELECTRONICS, COMMUNICATIONS, COMPUTING AND INFORMATION TECHNOLOGY. EXPERTS IN RESEARCH, INDUSTRY, AND ACADEMIA PRESENT THE LATEST DEVELOPMENTS IN TECHNOLOGY, DESCRIBE APPLICATIONS INVOLVING CUTTING-EDGE COMMUNICATION AND COMPUTER SYSTEMS AND EXPLORE LIKELY FUTURE DIRECTIONS. IN ADDITION, ACCESS IS OFFERED TO NUMEROUS NEW ALGORITHMS THAT ASSIST IN SOLVING COMPUTER AND COMMUNICATION ENGINEERING PROBLEMS. THE BOOK IS BASED ON PRESENTATIONS DELIVERED AT ICOCOE 2014, THE 1ST INTERNATIONAL CONFERENCE ON COMMUNICATION AND COMPUTER ENGINEERING. IT WILL APPEAL TO A WIDE RANGE OF PROFESSIONALS IN THE FIELD, INCLUDING TELECOMMUNICATION ENGINEERS, COMPUTER ENGINEERS AND SCIENTISTS, RESEARCHERS, ACADEMICS AND STUDENTS.

COMPUTER NETWORKS - ANDREW S. TANENBAUM 2019-02

ADVANCED TECHNOLOGY IN TEACHING - WEI ZHANG 2012-06-30

2012 INTERNATIONAL CONFERENCE ON TEACHING AND COMPUTATIONAL SCIENCE (ICTCS 2012) IS HELD ON APRIL 1-2, 2012, MACAO. THIS VOLUME CONTAINS 120 SELECTED PAPERS PRESENTED AT 2012 INTERNATIONAL CONFERENCE ON TEACHING AND COMPUTATIONAL SCIENCE (ICTCS 2012), WHICH IS TO BRING TOGETHER RESEARCHERS WORKING IN MANY DIFFERENT AREAS OF TEACHING AND COMPUTATIONAL SCIENCE TO FOSTER INTERNATIONAL COLLABORATIONS AND EXCHANGE OF NEW IDEAS. THIS VOLUME BOOK CAN BE DIVIDED INTO TWO SECTIONS ON THE BASIS OF THE CLASSIFICATION OF MANUSCRIPTS CONSIDERED. THE FIRST SECTION DEALS WITH TEACHING. THE SECOND SECTION OF THIS VOLUME CONSISTS OF COMPUTATIONAL SCIENCE. WE HOPE THAT ALL THE PAPERS HERE PUBLISHED CAN BENEFIT YOU IN THE RELATED RESEARCHING FIELDS.

COMPUTER NETWORKING: A TOP-DOWN APPROACH FEATURING THE INTERNET, 3/E - JAMES F. KUROSE 2005

TOOLS FOR TEACHING COMPUTER NETWORKING AND HARDWARE CONCEPTS - SARKAR, NURUL 2006-02-28

"THIS BOOK OFFERS CONCEPTS OF THE TEACHING AND LEARNING OF COMPUTER NETWORKING AND HARDWARE BY OFFERING FUNDAMENTAL THEORETICAL CONCEPTS ILLUSTRATED WITH THE USE OF INTERACTIVE PRACTICAL EXERCISES"--PROVIDED BY PUBLISHER.

PROCEEDINGS THE 4TH INTERNATIONAL CONFERENCE ON BASIC SCIENCES 2018 - FACULTY OF MATHEMATICS AND NATURAL SCIENCES (FMIPA) PATTIMURA UNIVERSITY AMBON, MALUKU, INDONESIA 2019-05-19

WELCOME MESSAGE FROM THE CHAIRMAN OF ICBS 2018 ON BEHALF OF THE ORGANIZING COMMITTEE, IT IS A GREAT PLEASURE TO WELCOME ALL THE PARTICIPANTS AND KEYNOTE SPEAKERS TO THE 4TH INTERNATIONAL CONFERENCE BASIC SCIENCE (ICBS) 2018 AT THE PATTIMURA UNIVERSITY AMBON, INDONESIA WITH THEME "THE DEVELOPMENT OF SCIENCE AND TECHNOLOGY IN IMPROVING NATURAL AND CULTURAL RESOURCES". THIS THEME AIMS TO DISCUSS THE ROLE OF SCIENCE AND TECHNOLOGY IN INCREASING THE USE OF NATURAL RESOURCES AND CULTURAL DEVELOPMENT IN THE MALUKU ISLANDS. THIS INTERNATIONAL FORUM ALSO PROVIDES A PLATFORM WHERE NATIONAL AND INTERNATIONAL ACADEMIA OR RESEARCHERS, POLICY MAKERS, AND OTHER STAKEHOLDERS TO TRANSLATE TECHNOLOGY, EXCHANGE IDEAS, AND HELP STIMULATE MULTIDISCIPLINARY INTERNATIONAL COLLABORATIONS IN A CONVERGENT-MANNER FOR SHAPING A WORLDWIDE SUSTAINABLE DEVELOPMENT. IT IS WORTH NOTING THAT, THE 4TH ICBS EVENT GENUINELY HIGHLIGHTS THE IMPORTANT OF CONVERGENCE OF BASIC SCIENCE RESEARCH TO ADDRESS WORLD'S SUSTAINABILITY CHALLENGES. THE CONFERENCE WAS ATTENDED BY INVITED SPEAKERS FROM HOCHSCHULE NORDHAUSEN UNIVERSITY GERMANY; KUMAMOTO UNIVERSITY, JAPAN; INDONESIA PARROT PROJECT; INSTITUT TEKNOLOGI SEPULUH NOPEMBER, INDONESIA. THERE ARE 250 PARTICIPANTS, WITH POSTER PARTICIPANTS 19 ARTICLES, ORAL PRESENTATIONS 51 ARTICLES AND 185 NON-PRESENTER PARTICIPANTS. THIS PROCEEDINGS ONLY CONTAIN 15 ARTICLES BECAUSE THE OTHERS HAS BEEN SELECTED TO PUBLISH IN INTERNATIONAL JOURNAL. WE WOULD LIKE TO ACKNOWLEDGE THE TERRIFIC SUPPORT OF PROCEEDINGS EDITORIAL TEAM AND REVIEWERS IN MANAGING THIS PROCEEDINGS BOOK. WE ALSO WOULD LIKE TO THANK ALL PARTICIPANTS WHO PRESENT THEIR ACADEMIC WORKS IN THE 4TH ICBS 2018, AND ESPECIALLY TO OUR DISTINGUISHED INVITED SPEAKERS FOR THEIR COLLABORATION AND CONTRIBUTION FOR THE SUCCESS OF THE 4TH ICBS 2018. SINCERELY, DIANA JULAIDY PATTY, S.Si., M.Sc CHAIRMAN OF THE COMMITTEE WELCOME MESSAGE FROM THE DEAN OF THE FACULTY OF MATHEMATICS AND NATURAL SCIENCES ASSALAMU'ALAIKUM

WARAHMATULLAHI WABARAKATUH. SALAM SEJAHTERA BAGI KITA SEMUA. OM SWASTIASTU. NAMO BUDDHAYA. ON BEHALF OF THE DEAN OF FACULTY OF MATHEMATICS AND NATURAL SCIENCES, UNIVERSITAS PATTIMURA, I WOULD LIKE TO EXTEND MY WARMEST WELCOME TO ALL DELEGATES FROM ALL OVER THE WORLD. WELCOME TO AMBON—THE CITY OF MUSIC—in INDONESIA. AMBON, SURROUNDS BY A HUNDRED ISLANDS HAS MANY TOURIST DESTINATIONS, HIGHLANDS, MOUNTAINS, AND SOME NATURAL BEACHES. WE ARE VERY PLEASED TO WELCOME YOU IN THE PROCEEDINGS BOOK OF THE 4TH INTERNATIONAL CONFERENCE BASIC SCIENCES 2018. THIS PROCEEDINGS IS ONE OF THE CONTINUATIONS FOR THE CONFERENCE. BASED ON THESE PAPERS, HOPEFULLY, MORE COLLABORATIONS CAN BE INITIATED OR SHOULD BE FOLLOWED UP BETWEEN US. I WOULD LIKE TO EXPRESS MY GRATITUDE TO ALL OF THE PARTICIPANTS, KEYNOTE AND INVITED SPEAKERS AS WELL. MANY THANKS GO TO THE REVIEWERS AND THE EDITORIAL TEAM FOR THEIR BIG EFFORT IN SUPPORTING THIS BOOK. MY APPRECIATION TO THE STEERING AND ORGANIZING COMMITTEES FOR REALIZING THIS BOOK. THANK YOU WASSALAMU ‘ALAIKUM WR WB. PROF. DR. PIETER KAKISINA, S.Pd., M.Si DEAN FACULTY OF MATHEMATICS AND NATURAL SCIENCES
Tcp/Ip Protocol Suite, 4E - Forouzan 2017

DATA COMMUNICATIONS AND NETWORKING - BEHROUZ A. FOROUZAN 2013-06

COMPUTER NETWORKS - TANENBAUM 2011

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. EACH CHAPTER FOLLOWS A CONSISTENT APPROACH: TANENBAUM PRESENTS KEY PRINCIPLES, THEN ILLUSTRATES THEM UTILIZING REAL-WORLD EXAMPLE NETWORKS THAT RUN THROUGH THE ENTIRE BOOK—THE INTERNET, AND WIRELESS NETWORKS, INCLUDING WIRELESS LANs, BROADBAND WIRELESS AND BLUETOOTH. THE FIFTH EDITION INCLUDES A CHAPTER DEVOTED EXCLUSIVELY TO NETWORK SECURITY. THE TEXTBOOK IS SUPPLEMENTED BY A SOLUTIONS MANUAL, AS WELL AS A WEBSITE CONTAINING POWERPOINT SLIDES, ART IN VARIOUS FORMS, AND OTHER TOOLS FOR INSTRUCTION, INCLUDING A PROTOCOL SIMULATOR WHEREBY STUDENTS CAN DEVELOP AND TEST THEIR OWN NETWORK PROTOCOLS.

IPv6 FUNDAMENTALS - RICK GRAZIANI 2017-06-06

ORGANIZATIONS ARE INCREASINGLY TRANSITIONING TO IPv6, THE NEXT GENERATION PROTOCOL FOR DEFINING HOW DEVICES OF ALL KINDS COMMUNICATE OVER NETWORKS. NOW FULLY UPDATED, IPv6 FUNDAMENTALS OFFERS A THOROUGH, FRIENDLY, AND EASY-TO-UNDERSTAND INTRODUCTION TO THE KNOWLEDGE AND SKILLS YOU NEED TO DEPLOY AND OPERATE IPv6 NETWORKS. LEADING NETWORKING INSTRUCTOR RICK GRAZIANI EXPLAINS ALL THE BASICS SIMPLY AND CLEARLY, STEP-BY-STEP, PROVIDING ALL THE DETAILS YOU'LL NEED TO SUCCEED. YOU'LL LEARN WHY IPv6 IS NECESSARY, HOW IT WAS CREATED, HOW IT WORKS, AND HOW IT HAS BECOME THE PROTOCOL OF CHOICE IN ENVIRONMENTS RANGING FROM CLOUD TO MOBILE AND IoT. GRAZIANI THOROUGHLY INTRODUCES IPv6 ADDRESSING, CONFIGURATION OPTIONS, AND ROUTING PROTOCOLS, INCLUDING EIGRP FOR IPv6, AND OSPFv3 (TRADITIONAL CONFIGURATION AND WITH ADDRESS FAMILIES). BUILDING ON THIS COVERAGE, HE THEN INCLUDES MORE IN-DEPTH INFORMATION INVOLVING THESE PROTOCOLS AND PROCESSES. THIS EDITION CONTAINS A COMPLETELY REVAMPED DISCUSSION OF DEPLOYING IPv6 IN YOUR NETWORK, INCLUDING IPv6/IPv4 INTEGRATION, DYNAMIC ADDRESS ALLOCATION, AND UNDERSTANDING IPv6 FROM THE PERSPECTIVE OF THE NETWORK AND HOST. YOU'LL ALSO FIND IMPROVED COVERAGE OF KEY TOPICS SUCH AS STATELESS ADDRESS AUTOCONFIGURATION (SLAAC), DHCPv6, AND THE ADVANTAGES OF THE SOLICITED NODE MULTICAST ADDRESS. THROUGHOUT, GRAZIANI PRESENTS COMMAND SYNTAX FOR CISCO IOS, WINDOWS, LINUX, AND MAC OS, AS WELL AS MANY EXAMPLES, DIAGRAMS, CONFIGURATION TIPS, AND UPDATED LINKS TO WHITE PAPERS AND OFFICIAL RFCs FOR EVEN DEEPER UNDERSTANDING. LEARN HOW IPv6 SUPPORTS MODERN NETWORKS ENCOMPASSING THE CLOUD, MOBILE, IoT, AND GAMING DEVICES COMPARE IPv6 WITH IPv4 TO SEE WHAT HAS CHANGED AND WHAT HASN'T UNDERSTAND AND REPRESENT IPv6 ADDRESSES FOR UNICAST, MULTICAST, AND ANYCAST ENVIRONMENTS MASTER ALL FACETS OF DYNAMIC IPv6 ADDRESS ALLOCATION WITH SLAAC, STATELESS DHCPv6, AND STATEFUL DHCPv6 UNDERSTAND ALL THE FEATURES OF DEPLOYING IPv6 ADDRESSES IN THE NETWORK INCLUDING TEMPORARY ADDRESSES AND THE PRIVACY EXTENSION IMPROVE OPERATIONS BY LEVERAGING MAJOR ENHANCEMENTS BUILT INTO ICMPv6 AND ICMPv6 NEIGHBOR DISCOVERY PROTOCOL CONFIGURE IPv6 ADDRESSING AND ACCESS CONTROL LISTS USING A COMMON TOPOLOGY IMPLEMENT ROUTING OF IPv6 PACKETS VIA STATIC ROUTING, EIGRP FOR IPv6, AND OSPFv3 WALK STEP-BY-STEP THROUGH DEPLOYING IPv6 IN EXISTING NETWORKS, AND COEXISTING WITH OR TRANSITIONING FROM IPv4

COMPUTER NETWORKING WITH INTERNET PROTOCOLS AND TECHNOLOGY - WILLIAM STALLINGS 2004

BUILDING ON THE STRENGTH OF HIS TWO OTHER SUCCESSFUL TEXTS, STALLINGS' NEW TEXT PROVIDES A FRESH "TOP DOWN" AND COMPREHENSIVE "TOP DOWN" SURVEY OF THE ENTIRE FIELD OF COMPUTER NETWORKS AND INTERNET TECHNOLOGY—INCLUDING AN UP-TO-DATE REPORT OF LEADING-EDGE TECHNOLOGIES. IT EMPHASIZES BOTH THE FUNDAMENTAL PRINCIPLES AS WELL AS THE CRITICAL ROLE OF PERFORMANCE IN DRIVING PROTOCOL AND NETWORK DESIGN. THE BASIC THEMES OF PRINCIPLES, DESIGN APPROACHES, AND STANDARDS THROUGHOUT THE TEXT UNIFY THE DISCUSSION.

INTRODUCTION TO CRYPTOGRAPHY AND NETWORK SECURITY - BEHROUZ A. FOROUZAN 2008

IN THIS NEW FIRST EDITION, WELL-KNOWN AUTHOR BEHROUZ FOROUZAN USES HIS ACCESSIBLE WRITING STYLE AND VISUAL APPROACH TO SIMPLIFY THE DIFFICULT CONCEPTS OF CRYPTOGRAPHY AND NETWORK SECURITY. WHILE MANY SECURITY BOOKS ASSUME KNOWLEDGE OF NUMBER THEORY AND ADVANCED MATH, OR PRESENT MAINLY THEORETICAL IDEAS, FOROUZAN PRESENTS DIFFICULT SECURITY TOPICS FROM THE GROUND UP. A GENTLE INTRODUCTION TO THE FUNDAMENTALS OF NUMBER THEORY IS PROVIDED IN THE OPENING CHAPTERS, PAVING THE WAY FOR THE STUDENT TO MOVE ON TO MORE COMPLEX SECURITY AND CRYPTOGRAPHY TOPICS. DIFFICULT MATH CONCEPTS ARE ORGANIZED IN APPENDICES AT

THE END OF EACH CHAPTER SO THAT STUDENTS CAN FIRST LEARN THE PRINCIPLES, THEN APPLY THE TECHNICAL BACKGROUND. HUNDREDS OF EXAMPLES, AS WELL AS FULLY CODED PROGRAMS, ROUND OUT A PRACTICAL, HANDS-ON APPROACH WHICH ENCOURAGES STUDENTS TO TEST THE MATERIAL THEY ARE LEARNING.

ISE DATA COMMUNICATIONS AND NETWORKING WITH TCP/IP PROTOCOL SUITE - BEHROUZ A. FOROUZAN 2021-01-06

"DATA COMMUNICATIONS AND NETWORKING, 6TH EDITION, TEACHES THE PRINCIPLES OF NETWORKING USING TCP/IP PROTOCOL SUITE. IT EMPLOYS A BOTTOM-UP APPROACH WHERE EACH LAYER IN THE TCP/IP PROTOCOL SUITE IS BUILT ON THE SERVICES PROVIDED BY THE LAYER BELOW. THIS EDITION HAS UNDERGONE A MAJOR RESTRUCTURING TO REDUCE THE NUMBER OF CHAPTERS AND FOCUS ON THE ORGANIZATION OF TCP/IP PROTOCOL SUITE. IT CONCLUDES WITH THREE CHAPTERS THAT EXPLORE MULTIMEDIA, NETWORK MANAGEMENT, AND CRYPTOGRAPHY/NETWORK SECURITY. TECHNOLOGIES RELATED TO DATA COMMUNICATIONS AND NETWORKING ARE AMONG THE FASTEST GROWING IN OUR CULTURE TODAY, AND THERE IS NO BETTER GUIDE TO THIS RAPIDLY EXPANDING FIELD THAN DATA COMMUNICATIONS AND NETWORKING." -- PROVIDED BY PUBLISHER.

COMPUTER NETWORK SIMULATION USING NS2 - AJIT KUMAR NAYAK 2016-08-19

COMPUTER NETWORK SIMULATIONS USING NS2 PROVIDES A SOLID FOUNDATION OF COMPUTER NETWORKING KNOWLEDGE AND SKILLS, COVERING EVERYTHING FROM SIMPLE OPERATING SYSTEM COMMANDS TO THE ANALYSIS OF COMPLEX NETWORK PERFORMANCE METRICS. THE BOOK BEGINS WITH A DISCUSSION OF THE EVOLUTION OF DATA COMMUNICATION TECHNIQUES AND THE FUNDAMENTAL ISSUES ASSOCIATED WITH PERFORMANCE EVALUATION. AFTER PRESENTING A PRELIMINARY OVERVIEW OF SIMULATION AND OTHER PERFORMANCE EVALUATION TECHNIQUES, THE AUTHORS: DESCRIBE A NUMBER OF COMPUTER NETWORK PROTOCOLS AND TCP/IP AND OSI MODELS, HIGHLIGHTING THE NETWORKING DEVICES USED EXPLAIN A SOCKET AND ITS USE IN NETWORK PROGRAMMING, FOSTERING THE DEVELOPMENT OF NETWORK APPLICATIONS USING C AND SOCKET API INTRODUCE THE NS2 NETWORK SIMULATOR, EXHIBITING ITS INTERNAL ARCHITECTURE, CONSTITUENT SOFTWARE PACKAGES, AND INSTALLATION IN DIFFERENT OPERATING SYSTEMS DELVE INTO SIMULATION USING NS2, ELABORATING ON THE USE OF TCL AND OTCL SCRIPTS AS WELL AS AWK SCRIPTING AND PLOTTING WITH GNUPLOT SHOW HOW TO SIMULATE WIRED AND WIRELESS NETWORK PROTOCOLS STEP BY STEP, LAYER BY LAYER EXPLORE THE IDEA OF SIMULATING VERY LARGE NETWORKS, IDENTIFYING THE CHALLENGES ASSOCIATED WITH MEASURING AND GRAPHING THE VARIOUS NETWORK PARAMETERS INCLUDE NEARLY 90 EXAMPLE PROGRAMS, SCRIPTS, AND OUTPUTS, ALONG WITH SEVERAL EXERCISES REQUIRING APPLICATION OF THE THEORY AND PROGRAMMING COMPUTER NETWORK SIMULATIONS USING NS2 EMPHASIZES THE IMPLEMENTATION AND SIMULATION OF REAL-WORLD COMPUTER NETWORK PROTOCOLS, AFFORDING READERS WITH VALUABLE OPPORTUNITIES FOR HANDS-ON PRACTICE WHILE INSTILLING A DEEPER UNDERSTANDING OF HOW COMPUTER NETWORK PROTOCOLS WORK.

COMPUTER COMMUNICATION, NETWORKING AND INTERNET SECURITY - SURESH CHANDRA SATAPATHY 2017-05-02

THE BOOK IS A COMPILATION OF HIGH-QUALITY SCIENTIFIC PAPERS PRESENTED AT THE 3RD INTERNATIONAL CONFERENCE ON COMPUTER & COMMUNICATION TECHNOLOGIES (IC3T 2016). THE INDIVIDUAL PAPERS ADDRESS CUTTING-EDGE TECHNOLOGIES AND APPLICATIONS OF SOFT COMPUTING, ARTIFICIAL INTELLIGENCE AND COMMUNICATION. IN ADDITION, A VARIETY OF FURTHER TOPICS ARE DISCUSSED, WHICH INCLUDE DATA MINING, MACHINE INTELLIGENCE, FUZZY COMPUTING, SENSOR NETWORKS, SIGNAL AND IMAGE PROCESSING, HUMAN-COMPUTER INTERACTION, WEB INTELLIGENCE, ETC. AS SUCH, IT OFFERS READERS A VALUABLE AND UNIQUE RESOURCE.

FOUNDATIONS OF COMPUTER SCIENCE - BEHROUZ A. FOROUZAN 2008

BASED ON THE ACM MODEL CURRICULUM GUIDELINES, THIS TEXT COVERS THE FUNDAMENTALS OF COMPUTER SCIENCE REQUIRED FOR FIRST YEAR STUDENTS EMBARKING ON A COMPUTING DEGREE. DATA REPRESENTATION OF TEXT, AUDIO, IMAGES, AND NUMBERS; COMPUTER HARDWARE AND SOFTWARE, INCLUDING OPERATING SYSTEMS AND PROGRAMMING LANGUAGES; DATA ORGANIZATION TOPICS SUCH AS SQL DATABASE MODELS - THEY'RE ALL [INCLUDED]. PROGRESSING FROM THE BITS AND BYTES LEVEL TO THE HIGHER LEVELS OF ABSTRACTION, THIS BIRDS-EYE VIEW PROVIDES THE FOUNDATION TO HELP YOU SUCCEED AS YOU CONTINUE YOUR STUDIES IN PROGRAMMING AND OTHER AREAS IN THE COMPUTER FIELD.—BACK COVER.

TCP/IP PROTOCOL SUITE - BEHROUZ A. FOROUZAN 2003

NETWORKING TECHNOLOGIES HAVE BECOME AN INTEGRAL PART OF EVERYDAY LIFE, WHICH HAS LED TO A DRAMATIC INCREASE IN THE NUMBER OF PROFESSIONS WHERE IT IS IMPORTANT TO UNDERSTAND NETWORK TECHNOLOGIES. TCP/IP PROTOCOL SUITE TEACHES STUDENTS AND PROFESSIONALS, WITH NO PRIOR KNOWLEDGE OF TCP/IP, EVERYTHING THEY NEED TO KNOW ABOUT THE SUBJECT. THIS COMPREHENSIVE BOOK USES HUNDREDS OF FIGURES TO MAKE TECHNICAL CONCEPTS EASY TO GRASP, AS WELL AS MANY EXAMPLES, WHICH HELP TIE THE MATERIAL TO THE REAL-WORLD. THE SECOND EDITION OF TCP/IP PROTOCOL SUITE HAS BEEN FULLY UPDATED TO INCLUDE ALL OF THE RECENT TECHNOLOGY CHANGES IN THE FIELD. MANY NEW CHAPTERS HAVE BEEN ADDED SUCH AS ONE ON MOBILE IP, MULTIMEDIA AND INTERNET, NETWORK SECURITY, AND IP OVER ATM. ADDITIONALLY, OUT-OF-DATE MATERIAL HAS BEEN OVERHAULED TO REFLECT RECENT CHANGES IN TECHNOLOGY.

COMPUTER NETWORKS THE WAY OF INTERCONNECTING AND COMMUNICATING PEOPLE WITH OTHER PEOPLE - DR KRANTHI KUMAR SINGAMANENI, MRS VIJAYA SARASWATHI REDROWTHU & MRS VASAVI RAVURI 2020-08-07

1.1 INTRODUCTION: [?] COMPUTER NETWORKS: A COLLECTION OF AUTONOMOUS COMPUTERS INTERCONNECTED BY A SINGLE TECHNOLOGY TO FACILITATE DATA COMMUNICATION. • TWO COMPUTERS ARE SAID TO BE INTERCONNECTED IF THEY ARE ABLE TO EXCHANGE INFORMATION. THE CONNECTION NEED NOT BE VIA A COPPER WIRE; FIBER OPTICS, MICROWAVES, INFRARED, AND COMMUNICATION SATELLITES CAN ALSO BE OF USED. • THE COMPUTERS ARE AUTONOMOUS, WHICH ARE NOT FORCIBLY STARTED, STOPPED OR CONTROLLED BY OTHER ONE. • A SYSTEM WITH ONE CONTROL UNIT AND MORE THAN ONE SLAVE IS NOT A COMPUTER NETWORK. • COMPUTER NETWORK CONSISTS OF END SYSTEMS OR NODES WHICH ARE CAPABLE OF TRANSMITTING INFORMATION AND WHICH COMMUNICATE THROUGH A TRANSIT SYSTEM INTERCONNECTED THEM. THE TRANSIT SYSTEM ALSO CALLED AS INTERCONNECTION SUBSYSTEM OR SUB NETWORK. • THE NODES IN THE COMPUTER NETWORK COMPRISE THE COMPUTER, TERMINALS, SOFTWARE AND PERIPHERALS FORMING AN AUTONOMOUS SYSTEM CAPABLE OF PERFORMING INFORMATION PROCESSING. • END SYSTEM

HAS AN INTERFACE OR INTERACTION THROUGH WHICH IT IS PHYSICALLY CONNECTED WITH SUBNET. • THE INTERACTION POINT HAS AN ADDRESS BY WHICH END SYSTEM IS IDENTIFIED. • EACH END SYSTEM HOSTS ONE OR MORE APPLICATION ENTITIES BY WHICH THE COMMUNICATION TAKES PLACE BETWEEN END SYSTEMS. • THE SUBNET PERFORMS ALL TRANSMISSION AND SWITCHING ACTIVITIES. • TRANSMISSION MEDIA CONNECT END SYSTEM AND SUBNET AND CARRY INFORMATION.

COMPUTER NETWORKS - LARRY L. PETERSON 2011-03-02

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

SIMULATION IN COMPUTER NETWORK DESIGN AND MODELING: USE AND ANALYSIS - AL-BAHADILI, HUSSEIN 2012-02-29

"THIS BOOK REVIEWS METHODOLOGIES IN COMPUTER NETWORK SIMULATION AND MODELING, ILLUSTRATES THE BENEFITS OF SIMULATION IN COMPUTER NETWORKS DESIGN, MODELING, AND ANALYSIS, AND IDENTIFIES THE MAIN ISSUES THAT FACE EFFICIENT AND EFFECTIVE COMPUTER NETWORK SIMULATION"--PROVIDED BY PUBLISHER.

INTRODUCTION TO DATA COMMUNICATIONS AND NETWORKING - BEHROUZ A. FOROUZAN 1998

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).

DATA COMMUNICATIONS AND NETWORKING - BEHROUZ A. FOROUZAN 2007

ANNOTATION AS ONE OF THE FASTEST GROWING TECHNOLOGIES IN OUR CULTURE TODAY, DATA COMMUNICATIONS AND NETWORKING PRESENTS A UNIQUE CHALLENGE FOR INSTRUCTORS. AS BOTH THE NUMBER AND TYPES OF STUDENTS ARE INCREASING, IT IS ESSENTIAL TO HAVE A TEXTBOOK THAT PROVIDES COVERAGE OF THE LATEST ADVANCES, WHILE PRESENTING THE MATERIAL IN A WAY THAT IS ACCESSIBLE TO STUDENTS WITH LITTLE OR NO BACKGROUND IN THE FIELD. USING A BOTTOM-UP APPROACH, DATA COMMUNICATIONS AND NETWORKING PRESENTS THIS HIGHLY TECHNICAL SUBJECT MATTER WITHOUT RELYING ON COMPLEX FORMULAS BY USING A STRONG PEDAGOGICAL APPROACH SUPPORTED BY MORE THAN 700 FIGURES. NOW IN ITS FOURTH EDITION, THIS TEXTBOOK BRINGS THE BEGINNING STUDENT RIGHT TO THE FOREFRONT OF THE LATEST ADVANCES IN THE FIELD, WHILE PRESENTING THE FUNDAMENTALS IN A CLEAR, STRAIGHTFORWARD MANNER. STUDENTS WILL FIND BETTER COVERAGE, IMPROVED FIGURES AND BETTER EXPLANATIONS ON CUTTING-EDGE MATERIAL. THE "BOTTOM-UP" APPROACH ALLOWS INSTRUCTORS TO COVER THE MATERIAL IN ONE COURSE, RATHER THAN HAVING SEPARATE COURSES ON DATA COMMUNICATIONS AND NETWORKING

GATE AND PGCET FOR COMPUTER SCIENCE AND INFORMATION

TECHNOLOGY, SECOND EDITION - RAMAIAH K, DASARADH 2019-11-01

GRADUATE APTITUDE TEST IN ENGINEERING (GATE) IS ONE OF THE RECOGNIZED NATIONAL LEVEL EXAMINATIONS THAT DEMANDS FOCUSED STUDY ALONG WITH FORETHOUGHT, SYSTEMATIC PLANNING AND EXACTITUDE. POSTGRADUATE ENGINEERING COMMON ENTRANCE TEST (PGCET) IS ALSO ONE OF THOSE EXAMINATIONS, A STUDENT HAS TO FACE TO GET ADMISSION IN VARIOUS POSTGRADUATE PROGRAMS. SO, IN ORDER TO BECOME UP TO SNUFF FOR THIS ELIGIBILITY CLAUSE (QUALIFYING GATE/PGCET), A STUDENT FACING A VERY HIGH COMPETITION SHOULD EXCEL HIS/HER STANDARDS TO SUCCESS BY WAY OF PREPARING FROM THE STANDARD BOOKS. THIS BOOK GUIDES STUDENTS VIA SIMPLE, ELEGANT AND EXPLICIT PRESENTATION THAT BLENDS THEORY LOGICALLY AND RIGOROUSLY WITH THE PRACTICAL ASPECTS BEARING ON COMPUTER SCIENCE AND INFORMATION TECHNOLOGY. THE BOOK NOT ONLY KEEPS ABREAST OF ALL THE CHAPTERWISE INFORMATION GENERALLY ASKED IN THE EXAMINATIONS BUT ALSO PROFFERS FELICITOUS TIPS IN THE FURTHERANCE OF PROBLEM-SOLVING TECHNIQUE. HIGHLIGHTS OF THE BOOK • SYSTEMATIC DISCUSSION OF CONCEPTS ENDOWED WITH AMPLE ILLUSTRATIONS • NOTES ARE INCORPORATED AT SEVERAL PLACES GIVING ADDITIONAL INFORMATION ON THE KEY CONCEPTS • INCLUSION OF SOLVED PRACTICE EXERCISES FOR VERBAL AND NUMERICAL APTITUDE TO GUIDE STUDENTS FROM PRACTICE AND EXAMINATION POINT OF VIEW • PRODIGIOUS OBJECTIVE-TYPE QUESTIONS BASED ON THE PAST YEARS' GATE EXAMINATION QUESTIONS WITH ANSWER KEYS AND IN-DEPTH EXPLANATION ARE AVAILABLE AT

[HTTPS://WWW.PHINDIA.COM/GATE_AND_PGCET](https://www.phindia.com/GATE_AND_PGCET) • EVERY SOLUTION LASTS WITH A REFERENCE, THUS PROVIDING A SCOPE FOR FURTHER STUDY THE BOOK, WHICH WILL PROVE TO BE AN EPITOME OF LEARNING THE CONCEPTS OF CS AND IT FOR GATE/PGCET EXAMINATION, IS PURELY INTENDED FOR THE ASPIRANTS OF GATE AND PGCET EXAMINATIONS. IT SHOULD ALSO BE OF CONSIDERABLE UTILITY AND WORTH TO THE ASPIRANTS OF UGC-NET AS WELL AS TO THOSE WHO WISH TO PURSUE CAREER IN PUBLIC SECTOR UNITS LIKE ONGC, NTPC, ISRO, BHEL, BARC, DRDO, DVC, POWER-GRID, IOCL AND MANY MORE. IN ADDITION, THE BOOK IS ALSO OF IMMENSE USE FOR THE PLACEMENT COORDINATORS OF GATE/PGCET. TARGET AUDIENCE • GATE/PGCET EXAMINATION • UGC-NET EXAMINATION • EXAMINATIONS CONDUCTED BY PSUs LIKE ONGC, NTPC, ISRO, BHEL, BARC, DRDO, DVC, POWER-GRID, IOCL AND MANY MORE *TCP/IP PROTOCOL SUITE* - BEHROUZ A. FOROUZAN 2007

NETWORKING TECHNOLOGIES HAVE BECOME AN INTEGRAL PART OF EVERYDAY LIFE, WHICH HAS LED TO A DRAMATIC INCREASE IN THE NUMBER OF PROFESSIONS WHERE IT IS IMPORTANT TO UNDERSTAND NETWORK TECHNOLOGIES. TCP/IP PROTOCOL SUITE TEACHES STUDENTS AND PROFESSIONALS, WITH NO PRIOR KNOWLEDGE OF TCP/IP, EVERYTHING THEY NEED TO KNOW ABOUT THE SUBJECT. THIS COMPREHENSIVE BOOK USES HUNDREDS OF FIGURES TO MAKE TECHNICAL CONCEPTS EASY TO GRASP, AS WELL AS MANY EXAMPLES, WHICH HELP TIE THE MATERIAL TO THE REAL-WORLD. THE SECOND EDITION OF TCP/IP PROTOCOL SUITE HAS BEEN FULLY UPDATED TO INCLUDE ALL OF THE RECENT TECHNOLOGY CHANGES IN THE FIELD. MANY NEW CHAPTERS HAVE BEEN ADDED SUCH AS ONE ON MOBILE IP, MULTIMEDIA AND INTERNET, NETWORK SECURITY, AND IP OVER ATM. ADDITIONALLY, OUT-OF-DATE MATERIAL HAS BEEN OVERHAULED TO REFLECT RECENT CHANGES IN TECHNOLOGY.

COMPUTER NETWORKING AND THE INTERNET - FRED HALSALL 2006-09

INTRODUCING DATA COMMUNICATIONS AND COMPUTER NETWORKS, THIS REVISED AND UPDATED EDITION TAKES ACCOUNT OF DEVELOPMENTS IN THE AREA. COVERAGE INCLUDES ESSENTIAL THEORY ASSOCIATED WITH DIGITAL TRANSMISSION, INTERFACE STANDARDS, DATA COMPRESSION AND ERROR DETECTION METHODS.

BUSINESS DATA COMMUNICATIONS - BEHROUZ A. FOROUZAN 2003

DESIGNED FOR USE IN A DATA COMMUNICATIONS COURSE FOR BUSINESS MAJORS. THIS BOOK BLENDS A TECHNICAL PRESENTATION OF NETWORKING CONCEPTS WITH MANY BUSINESS APPLICATIONS. EACH CHAPTERS IS MAPPED OUT WITH CHAPTER OBJECTIVES AND AN OVERVIEW AT THE BEGINNING. IT USES BUSINESS EMPHASIS BOXES TO PULL OUT IMPORTANT BUSINESS APPLICATIONS.

LOOSE LEAF FOR C++ PROGRAMMING: AN OBJECT-ORIENTED APPROACH - RICHARD GILBERG 2019-01-04

C++ PROGRAMMING: AN OBJECT-ORIENTED APPROACH HAS TWO PRIMARY OBJECTIVES: TEACH THE BASIC PRINCIPLES OF PROGRAMMING AS OUTLINED IN THE ACM CURRICULUM FOR A CS1 CLASS AND TEACH THE BASIC CONSTRUCTS OF THE C++ LANGUAGE. WHILE C++ IS A COMPLEX AND PROFESSIONAL LANGUAGE, EXPERIENCE SHOWS THAT BEGINNING STUDENTS CAN EASILY UNDERSTAND AND USE C++. C++ PROGRAMMING: AN OBJECT-ORIENTED APPROACH USES A COMBINATION OF THOROUGH, WELL-ORDERED EXPLANATIONS AND A STRONG VISUAL FRAMEWORK TO MAKE PROGRAMMING CONCEPTS ACCESSIBLE TO STUDENTS. THE AUTHORS STRESS INCREMENTAL PROGRAM DEVELOPMENT, WHEREIN PROGRAM ANALYSIS IS FOLLOWED BY BUILDING A STRUCTURE CHART, CONSTRUCTING UML FLOW DIAGRAMS, WRITING ALGORITHMS, UNDERTAKING PROGRAM DESIGN, AND FINALLY TESTING. THIS FOUNDATION, COMBINED WITH A FOCUS ON THE BENEFITS OF A CONSISTENT AND WELL-DOCUMENTED PROGRAMMING STYLE, PREPARES STUDENTS TO TACKLE THE ACADEMIC AND PROFESSIONAL PROGRAMMING CHALLENGES THEY WILL ENCOUNTER DOWN THE ROAD WITH CONFIDENCE.

INTEGRATED BROADBAND NETWORKS - BYEONG GI LEE 2002

"EXPLANATIONS OF THE TECHNOLOGIES ARE PROVIDED WITHIN THE CONCEPTS OF ARCHITECTURE AND LAYERING MODELS, MULTIPLEXING AND SWITCHING METHODS, ROUTING ALGORITHMS AND PROTOCOLS, NETWORK CONTROL, TRAFFIC MANAGEMENT METHODS, AND QoS SUPPORT. THE BOOK ALSO OFFERS ONE OF THE FIRST OVERVIEWS OF THE IP OVER WDM FIELD."--COVER.

COMPUTER NETWORKING AND NETWORKS - SUSAN SHANNON 2006

COMPUTER NETWORKS REMAIN ONE OF THE CENTRAL ASPECTS OF THE COMPUTER WORLD. THIS BOOK EXAMINES CRUCIAL ISSUES AND RESEARCH UNDER THE FOLLOWING RUBRICS: COMMUNICATION NETWORK ARCHITECTURES; COMMUNICATION NETWORK PROTOCOLS; NETWORK SERVICES AND APPLICATIONS; NETWORK SECURITY AND PRIVACY; NETWORK OPERATION AND MANAGEMENT; DISCRETE ALGORITHMS AND DISCRETE MODELLING ALGORITHMIC AND DISCRETE ASPECTS IN THE CONTEXT OF COMPUTER NETWORKING AS WELL AS MOBILE AND WIRELESS COMPUTING AND COMMUNICATIONS.

ARCHITECTURE OF NETWORK SYSTEMS - DIMITRIOS SERPANOS 2011-01-12

ARCHITECTURE OF NETWORK SYSTEMS EXPLAINS THE PRACTICE AND METHODOLOGIES THAT WILL ALLOW YOU TO SOLVE A BROAD RANGE OF PROBLEMS IN SYSTEM DESIGN, INCLUDING PROBLEMS RELATED TO SECURITY, QUALITY OF SERVICE, PERFORMANCE, MANAGEABILITY, AND MORE. LEADING RESEARCHERS DIMITRIOS SERPANOS AND TILMAN WOLF DEVELOP ARCHITECTURES FOR ALL NETWORK SUB-SYSTEMS, BRIDGING THE GAP BETWEEN OPERATION AND VLSI. THIS BOOK PROVIDES COMPREHENSIVE COVERAGE OF THE TECHNICAL ASPECTS OF NETWORK SYSTEMS, INCLUDING SYSTEM-ON-CHIP TECHNOLOGIES, EMBEDDED PROTOCOL PROCESSING AND HIGH-PERFORMANCE, AND LOW-POWER DESIGN. IT DEVELOPS A FUNCTIONAL APPROACH TO NETWORK SYSTEM ARCHITECTURE BASED ON THE OSI REFERENCE MODEL, WHICH IS USEFUL FOR PRACTITIONERS AT EVERY LEVEL. IT ALSO COVERS BOTH FUNDAMENTALS AND THE LATEST DEVELOPMENTS IN NETWORK SYSTEMS ARCHITECTURE, INCLUDING NETWORK-ON-CHIP, NETWORK PROCESSORS, ALGORITHMS FOR LOOKUP AND CLASSIFICATION, AND NETWORK SYSTEMS FOR THE NEXT-GENERATION INTERNET. THE BOOK IS RECOMMENDED FOR PRACTICING ENGINEERS DESIGNING THE ARCHITECTURE OF NETWORK SYSTEMS AND GRADUATE STUDENTS IN COMPUTER ENGINEERING AND COMPUTER SCIENCE STUDYING NETWORK SYSTEM DESIGN. THIS IS THE FIRST BOOK TO PROVIDE COMPREHENSIVE COVERAGE OF THE TECHNICAL ASPECTS OF NETWORK SYSTEMS, INCLUDING PROCESSING SYSTEMS, HARDWARE TECHNOLOGIES, MEMORY MANAGERS, SOFTWARE ROUTERS, AND MORE. DEVELOPS A SYSTEMATIC APPROACH TO NETWORK ARCHITECTURES, BASED ON THE OSI REFERENCE MODEL, THAT IS USEFUL FOR PRACTITIONERS AT EVERY LEVEL. COVERS BOTH THE IMPORTANT BASICS AND CUTTING-EDGE TOPICS IN NETWORK SYSTEMS ARCHITECTURE, INCLUDING QUALITY OF SERVICE AND SECURITY FOR MOBILE, REAL-TIME P2P SERVICES,

Low-Power Requirements for Mobile Systems, and Next Generation Internet Systems.

COMPUTER SCIENCE - BEHROUZ A. FOROUZAN 1997-01-01

FUNDAMENTALS OF DATA COMMUNICATION NETWORKS - OLIVER C. IBE 2017-11-29

WHAT EVERY ELECTRICAL ENGINEERING STUDENT AND TECHNICAL PROFESSIONAL NEEDS TO KNOW ABOUT DATA EXCHANGE ACROSS NETWORKS WHILE MOST ELECTRICAL ENGINEERING STUDENTS LEARN HOW THE INDIVIDUAL COMPONENTS THAT MAKE UP DATA COMMUNICATION TECHNOLOGIES WORK, THEY RARELY LEARN HOW THE PARTS WORK TOGETHER IN COMPLETE DATA COMMUNICATION NETWORKS. IN PART, THIS IS DUE TO THE FACT THAT UNTIL NOW THERE HAVE BEEN NO TEXTS ON DATA COMMUNICATION NETWORKING WRITTEN FOR UNDERGRADUATE ELECTRICAL ENGINEERING STUDENTS. BASED ON THE AUTHOR'S YEARS OF CLASSROOM EXPERIENCE, FUNDAMENTALS OF DATA COMMUNICATION NETWORKS FILLS THAT GAP IN THE PEDAGOGICAL LITERATURE, PROVIDING READERS WITH A MUCH-NEEDED OVERVIEW OF ALL RELEVANT ASPECTS OF DATA COMMUNICATION NETWORKING, ADDRESSED FROM THE PERSPECTIVE OF THE VARIOUS TECHNOLOGIES INVOLVED. THE DEMAND FOR INFORMATION

EXCHANGE IN NETWORKS CONTINUES TO GROW AT A STAGGERING RATE, AND THAT DEMAND WILL CONTINUE TO MOUNT EXPONENTIALLY AS THE NUMBER OF INTERCONNECTED IoT-ENABLED DEVICES GROWS TO AN EXPECTED TWENTY-SIX BILLION BY THE YEAR 2020. NEVER HAS IT BEEN MORE URGENT FOR ENGINEERING STUDENTS TO UNDERSTAND THE FUNDAMENTAL SCIENCE AND TECHNOLOGY BEHIND DATA COMMUNICATION, AND THIS BOOK, THE FIRST OF ITS KIND, GIVES THEM THAT UNDERSTANDING. TO ACHIEVE THIS GOAL, THE BOOK: COMBINES SIGNAL THEORY, DATA PROTOCOLS, AND WIRELESS NETWORKING CONCEPTS INTO ONE TEXT EXPLORES THE FULL RANGE OF ISSUES THAT AFFECT COMMON PROCESSES SUCH AS MEDIA DOWNLOADS AND ONLINE GAMES ADDRESSES SERVICES FOR THE NETWORK LAYER, THE TRANSPORT LAYER, AND THE APPLICATION LAYER INVESTIGATES MULTIPLE ACCESS SCHEMES AND LOCAL AREA NETWORKS WITH COVERAGE OF SERVICES FOR THE PHYSICAL LAYER AND THE DATA LINK LAYER DESCRIBES MOBILE COMMUNICATION NETWORKS AND CRITICAL ISSUES IN NETWORK SECURITY INCLUDES PROBLEM SETS IN EACH CHAPTER TO TEST AND FINE-TUNE READERS' UNDERSTANDING FUNDAMENTALS OF DATA COMMUNICATION NETWORKS IS A MUST-READ FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS IN ELECTRICAL AND COMPUTER ENGINEERING. IT IS ALSO A VALUABLE WORKING RESOURCE FOR RESEARCHERS, ELECTRICAL ENGINEERS, AND TECHNICAL PROFESSIONALS.