

Data Communication And Networking 2nd Edition

YEAH, REVIEWING A EBOOK **DATA COMMUNICATION AND NETWORKING 2ND EDITION** COULD BE CREDITED WITH YOUR CLOSE CONNECTIONS LISTINGS. THIS IS JUST ONE OF THE SOLUTIONS FOR YOU TO BE SUCCESSFUL. AS UNDERSTOOD, SKILL DOES NOT RECOMMEND THAT YOU HAVE FABULOUS POINTS.

COMPREHENDING AS CAPABLY AS UNION EVEN MORE THAN SUPPLEMENTARY WILL PRESENT EACH SUCCESS. BORDERING TO, THE PRONOUNCEMENT AS WITHOUT DIFFICULTY AS ACUTENESS OF THIS DATA COMMUNICATION AND NETWORKING 2ND EDITION CAN BE TAKEN AS CAPABLY AS PICKED TO ACT.

802.11 WIRELESS NETWORKS: THE DEFINITIVE GUIDE - MATTHEW S. GAST 2005-04-25

AS WE ALL KNOW BY NOW, WIRELESS NETWORKS OFFER MANY ADVANTAGES OVER FIXED (OR WIRED) NETWORKS. FOREMOST ON THAT LIST IS MOBILITY, SINCE GOING WIRELESS FREES YOU FROM THE TETHER OF AN ETHERNET CABLE AT A DESK. BUT THAT'S JUST THE TIP OF THE CABLE-FREE ICEBERG. WIRELESS NETWORKS ARE ALSO MORE FLEXIBLE, FASTER AND EASIER FOR YOU TO USE, AND MORE AFFORDABLE TO DEPLOY AND MAINTAIN. THE DE FACTO STANDARD FOR WIRELESS NETWORKING IS THE 802.11 PROTOCOL, WHICH INCLUDES WI-FI (THE WIRELESS STANDARD KNOWN AS 802.11b) AND ITS FASTER COUSIN, 802.11g. WITH EASY-TO-INSTALL 802.11 NETWORK HARDWARE AVAILABLE EVERYWHERE YOU TURN, THE CHOICE SEEMS SIMPLE, AND MANY PEOPLE DIVE INTO WIRELESS COMPUTING WITH LESS THOUGHT AND PLANNING THAN THEY'D GIVE TO A WIRED NETWORK. BUT IT'S WISE TO BE FAMILIAR WITH BOTH THE CAPABILITIES AND RISKS ASSOCIATED WITH THE 802.11 PROTOCOLS. AND 802.11 WIRELESS NETWORKS: THE DEFINITIVE GUIDE, 2ND EDITION IS THE PERFECT PLACE TO START. THIS UPDATED EDITION COVERS EVERYTHING YOU'LL EVER NEED TO KNOW ABOUT WIRELESS TECHNOLOGY. DESIGNED WITH THE SYSTEM ADMINISTRATOR OR SERIOUS HOME USER IN MIND, IT'S A NO-NONSENSE GUIDE FOR SETTING UP 802.11 ON WINDOWS AND LINUX. AMONG THE WIDE RANGE OF TOPICS COVERED ARE DISCUSSIONS ON: DEPLOYMENT CONSIDERATIONS NETWORK MONITORING AND PERFORMANCE TUNING WIRELESS SECURITY ISSUES HOW TO USE AND SELECT ACCESS POINTS NETWORK MONITORING ESSENTIALS WIRELESS CARD CONFIGURATION SECURITY ISSUES UNIQUE TO WIRELESS NETWORKS WITH WIRELESS TECHNOLOGY, THE ADVANTAGES TO ITS USERS ARE INDEED PLENTIFUL. COMPANIES NO LONGER HAVE TO DEAL WITH THE HASSLE AND EXPENSE OF WIRING BUILDINGS, AND HOUSEHOLDS WITH SEVERAL COMPUTERS CAN AVOID FIGHTS OVER WHO'S ONLINE. AND NOW, WITH 802.11 WIRELESS NETWORKS: THE DEFINITIVE GUIDE, 2ND EDITION, YOU CAN INTEGRATE WIRELESS TECHNOLOGY INTO YOUR CURRENT INFRASTRUCTURE WITH THE UTMOST CONFIDENCE.

NETWORKING EXPLAINED - MICHAEL GALLO 2001-12-17

NETWORKING EXPLAINED 2E OFFERS A COMPREHENSIVE OVERVIEW OF COMPUTER NETWORKING, WITH NEW CHAPTERS AND SECTIONS TO COVER THE LATEST DEVELOPMENTS IN THE FIELD, INCLUDING VOICE AND DATA WIRELESS NETWORKING, MULTIMEDIA NETWORKING, AND NETWORK CONVERGENCE. GALLO AND HANCOCK PROVIDE A SOPHISTICATED INTRODUCTION TO THEIR SUBJECT IN A CLEAR, READABLE FORMAT. THESE TWO TOP NETWORKING EXPERTS ANSWER HUNDREDS OF QUESTIONS ABOUT HARDWARE, SOFTWARE, STANDARDS, AND FUTURE DIRECTIONS IN NETWORK TECHNOLOGY. **WIRELESS NETWORKS CONVERGENCE OF VOICE AND DATA MULTIMEDIA NETWORKING GUIDE TO COMPUTER NETWORK SECURITY** - JOSEPH MIGGA KIZZA 2020-06-03

THIS TIMELY TEXTBOOK PRESENTS A COMPREHENSIVE GUIDE TO THE CORE TOPICS IN CYBERSECURITY, COVERING ISSUES OF SECURITY THAT EXTEND BEYOND TRADITIONAL COMPUTER NETWORKS TO THE UBIQUITOUS MOBILE COMMUNICATIONS AND ONLINE SOCIAL NETWORKS THAT HAVE BECOME PART OF OUR DAILY LIVES. IN THE CONTEXT OF OUR GROWING DEPENDENCE ON AN EVER-CHANGING DIGITAL ECOSYSTEM, THIS BOOK STRESSES THE IMPORTANCE OF SECURITY AWARENESS, WHETHER IN OUR HOMES, OUR BUSINESSES, OR OUR PUBLIC SPACES. THIS FULLY UPDATED NEW EDITION FEATURES NEW MATERIAL ON THE SECURITY ISSUES RAISED BY BLOCKCHAIN TECHNOLOGY, AND ITS USE IN LOGISTICS, DIGITAL LEDGERS, PAYMENTS SYSTEMS, AND DIGITAL CONTRACTS. TOPICS AND FEATURES: EXPLORES THE FULL RANGE OF SECURITY RISKS AND VULNERABILITIES IN ALL CONNECTED DIGITAL SYSTEMS INSPIRES DEBATE OVER FUTURE DEVELOPMENTS AND IMPROVEMENTS NECESSARY TO ENHANCE THE SECURITY OF PERSONAL, PUBLIC, AND PRIVATE ENTERPRISE SYSTEMS RAISES THOUGHT-PROVOKING QUESTIONS REGARDING LEGISLATIVE, LEGAL, SOCIAL, TECHNICAL, AND ETHICAL CHALLENGES, SUCH AS THE TENSION BETWEEN PRIVACY AND SECURITY DESCRIBES THE FUNDAMENTALS OF TRADITIONAL COMPUTER NETWORK SECURITY, AND COMMON THREATS TO SECURITY REVIEWS THE CURRENT LANDSCAPE OF TOOLS, ALGORITHMS, AND PROFESSIONAL BEST PRACTICES IN USE TO MAINTAIN SECURITY OF DIGITAL SYSTEMS DISCUSSES THE SECURITY ISSUES INTRODUCED BY THE LATEST GENERATION OF NETWORK TECHNOLOGIES, INCLUDING MOBILE SYSTEMS, CLOUD COMPUTING, AND BLOCKCHAIN PRESENTS EXERCISES OF VARYING LEVELS OF DIFFICULTY AT THE END OF EACH CHAPTER, AND CONCLUDES WITH A DIVERSE SELECTION OF PRACTICAL PROJECTS OFFERS SUPPLEMENTARY MATERIAL FOR STUDENTS AND INSTRUCTORS AT AN ASSOCIATED WEBSITE, INCLUDING SLIDES, ADDITIONAL PROJECTS, AND SYLLABUS SUGGESTIONS THIS IMPORTANT TEXTBOOK/REFERENCE IS AN INVALUABLE RESOURCE FOR STUDENTS OF COMPUTER SCIENCE, ENGINEERING, AND INFORMATION MANAGEMENT, AS WELL AS FOR PRACTITIONERS WORKING IN DATA- AND INFORMATION-INTENSIVE INDUSTRIES.

WIRELESS COMMUNICATIONS & NETWORKS - WILLIAM STALLINGS 2013-10-03

FOR COURSES IN WIRELESS NETWORKING, WIRELESS COMMUNICATIONS, WIRELESS DATA COMMUNICATIONS OR WIRELESS TECHNOLOGY IN DEPARTMENTS OF COMPUTER SCIENCE, ENGINEERING, IT, AND CONTINUING EDUCATION. THE RAPID GROWTH OF MOBILE TELEPHONE USE, SATELLITE SERVICES, AND THE WIRELESS INTERNET ARE GENERATING TREMENDOUS CHANGES IN TELECOMMUNICATIONS AND NETWORKING. COMBINING VERY CURRENT TECHNICAL DEPTH WITH A STRONG PEDAGOGY AND ADVANCED WEB SUPPORT, THIS NEW EDITION PROVIDES A

COMPREHENSIVE GUIDE TO WIRELESS TECHNOLOGY—EXPLORING KEY TOPICS SUCH AS TECHNOLOGY AND ARCHITECTURE, NETWORK TYPES, DESIGN APPROACHES, AND THE LATEST APPLICATIONS. VISIT STALLINGS COMPANION WEBSITE AT [HTTP://WILLIAMSTALLINGS.COM/COMPSEC/COMPSECTE.HTML](http://williamstallings.com/CompSec/CompSecTe.html) FOR STUDENT AND INSTRUCTOR RESOURCES AND HIS COMPUTER SCIENCE STUDENT RESOURCE SITE [HTTP://WILLIAMSTALLINGS.COM/STUDENTSUPPORT.HTML](http://williamstallings.com/StudentSupport.html) PASSWORD PROTECTED INSTRUCTOR RESOURCES CAN BE ACCESSED HERE BY CLICKING ON THE RESOURCES TAB TO VIEW DOWNLOADABLE FILES. (REGISTRATION REQUIRED) THEY INCLUDE POWER POINT SLIDES, SOLUTIONS, TABLES AND FIGURES.

DATA COMMUNICATIONS AND NETWORKING - BEHROUZ A. FOROUZAN 2001

"DATA COMMUNICATIONS AND NETWORKING, 3/E" PROVIDES A COMPREHENSIVE AND CURRENT INTRODUCTION TO NETWORKING TECHNOLOGIES. THE BOOK IS ACCESSIBLE TO STUDENTS FROM ALL BACKGROUNDS AND USES HUNDREDS OF FIGURES TO VISUALLY REPRESENT CONCEPTS. THE NEW EDITION HAS BEEN COMPLETELY UPDATED TO REFLECT THE CONSTANTLY CHANGING WORLD OF NETWORK TECHNOLOGIES. ENHANCED COVERAGE OF BLUETOOTH, WIRELESS, SATELLITES, AS WELL AS FOUR NEW CHAPTERS ON SECURITY HAVE BEEN ADDED. THE THIRD EDITION HAS TRANSITIONED FROM USING THE 7-LAYER OSI MODEL TO THE 5-LAYER INTERNET MODEL. MORE TIME IS SPENT ON TCP/IP IN THE NEW ORGANIZATION. FOROUZAN'S BOOK CONTINUES TO BE SUPPORTED BY AN ON-LINE LEARNING CENTER (OLC) THAT CONTAINS MANY EXTRA RESOURCES FOR STUDENTS AND INSTRUCTORS. SOME OF THE FEATURES INCLUDE POWERPOINTS, SOLUTIONS, SELF-QUIZZING, AND FLASH ANIMATIONS THAT ILLUSTRATE CONCEPTS.

DATA COMMUNICATIONS AND COMPUTER NETWORKS - BRIJENDRA SINGH 2014-02-11

THIS FULLY REVISED AND UPDATED BOOK, NOW IN ITS FOURTH EDITION, CONTINUES TO PROVIDE A COMPREHENSIVE COVERAGE OF DATA COMMUNICATIONS AND COMPUTER NETWORKS IN AN EASY TO UNDERSTAND STYLE. THE TEXT PLACES AS MUCH EMPHASIS ON THE APPLICATION OF THE CONCEPTS AS ON THE CONCEPTS THEMSELVES. WHILE THE THEORETICAL PART IS INTENDED TO OFFER A SOLID FOUNDATION OF THE BASICS SO AS TO EQUIP THE STUDENT FOR FURTHER STUDY, THE STRESS ON THE APPLICATIONS IS MEANT TO ACQUAINT THE STUDENT WITH THE REALISTIC STATUS OF DATA COMMUNICATIONS AND COMPUTER NETWORKS AS OF NOW. AUDIENCE INTENDED PRIMARILY AS A TEXTBOOK FOR THE STUDENTS OF COMPUTER SCIENCE AND ENGINEERING, ELECTRONICS AND COMMUNICATION ENGINEERING, MASTER OF COMPUTER APPLICATIONS (MCA), AND THOSE OFFERING IT COURSES, THIS BOOK WOULD ALSO BE USEFUL FOR PRACTISING PROFESSIONALS. NEW TO THIS EDITION • THREE NEW CHAPTERS ON: o NETWORK ARCHITECTURE AND OSI MODEL o WIRELESS COMMUNICATION TECHNOLOGIES o WEB SECURITY • APPENDIX ON BINARY AND HEXADECIMAL NUMBERING KEY FEATURES • ILLUSTRATES THE APPLICATION OF THE PRINCIPLES THROUGH HIGHLY SIMPLIFIED BLOCK DIAGRAMS. • CONTAINS A COMPREHENSIVE GLOSSARY WHICH GIVES SIMPLE AND ACCURATE DESCRIPTIONS OF VARIOUS TERMS. • PROVIDES QUESTIONS AND ANSWERS AT THE END OF THE BOOK WHICH FACILITATE QUICK REVISION OF THE CONCEPT.

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

BUSINESS DATA COMMUNICATIONS AND NETWORKING - JERRY FITZGERALD 2009-01-09

OVER THE PAST FEW YEARS, MANY FUNDAMENTAL CHANGES HAVE OCCURRED IN DATA COMMUNICATIONS AND NETWORKING THAT WILL SHAPE THE FUTURE FOR DECADES TO COME. UPDATED WITH THE LATEST ADVANCES IN THE FIELD, JERRY FITZGERALD AND ALAN DENNIS' 10TH EDITION OF BUSINESS DATA COMMUNICATIONS AND NETWORKING CONTINUES TO PROVIDE THE FUNDAMENTAL CONCEPTS AND CUTTING-EDGE COVERAGE APPLICATIONS THAT STUDENTS NEED TO SUCCEED IN THIS FAST-MOVING FIELD. AUTHORS FITZGERALD AND DENNIS HAVE DEVELOPED A FOUNDATION AND BALANCED PRESENTATION FROM WHICH NEW TECHNOLOGIES AND APPLICATIONS CAN BE EASILY UNDERSTOOD, EVALUATED, AND COMPARED.

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

DATA COMMUNICATIONS & NETWORK - ACHYUT S. GODBOLE 2011

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 AND COMPUTER NETWORK COMMUNICATION - SHASHI BANZAL 2007

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.

ASN.1 COMPLETE - JOHN LARMOUTH 2000

ASN.1 COMPLETE TEACHES YOU EVERYTHING YOU NEED TO KNOW ABOUT ASN.1—WHETHER YOU'RE SPECIFYING A NEW PROTOCOL OR IMPLEMENTING AN EXISTING ONE IN A SOFTWARE OR HARDWARE DEVELOPMENT PROJECT. INSIDE, THE AUTHOR BEGINS WITH AN OVERVIEW OF ASN.1'S MOST COMMONLY ENCOUNTERED FEATURES, DETAILING AND ILLUSTRATING STANDARD TECHNIQUES FOR USING THEM. HE THEN GOES ON TO APPLY THE SAME PRACTICE-ORIENTED APPROACH TO ALL OF THE NOTATION'S OTHER FEATURES, PROVIDING YOU WITH AN EASY-TO-NAVIGATE, TRULY COMPREHENSIVE TUTORIAL. THE BOOK ALSO INCLUDES THOROUGH DOCUMENTATION OF BOTH THE BASIC AND THE PACKED ENCODING RULES—INDISPENSABLE COVERAGE FOR ANYONE DOING HAND-ENCODING, AND A VALUABLE RESOURCE FOR ANYONE WANTING A DEEPER UNDERSTANDING OF HOW ASN.1 AND ASN.1 TOOLS WORK. THE CONCLUDING SECTION TAKES UP THE HISTORY OF ASN.1, IN TERMS OF BOTH THE EVOLUTION OF THE NOTATION ITSELF AND THE ROLE IT HAS PLAYED IN HUNDREDS OF PROTOCOLS AND THOUSANDS OF APPLICATIONS DEVELOPED SINCE ITS INCEPTION. FEATURES COVERS ALL THE FEATURES—COMMON AND NOT SO COMMON—AVAILABLE TO YOU WHEN WRITING A PROTOCOL SPECIFICATION USING ASN.1. TEACHES YOU TO READ, UNDERSTAND, AND IMPLEMENT A SPECIFICATION WRITTEN USING ASN.1. EXPLAINS HOW ASN.1 TOOLS WORK AND HOW TO USE THEM. CONTAINS HUNDREDS OF DETAILED EXAMPLES, ALL VERIFIED USING OSS'S ASN.1 TOOLS PACKAGE. CONSIDERS ASN.1 IN RELATION TO OTHER PROTOCOL SPECIFICATION STANDARDS.

HIGH PERFORMANCE BROWSER NETWORKING - ILYA GRIGORIK 2013-09-11

HOW PREPARED ARE YOU TO BUILD FAST AND EFFICIENT WEB APPLICATIONS? THIS ELOQUENT BOOK PROVIDES WHAT EVERY WEB DEVELOPER SHOULD KNOW ABOUT THE NETWORK, FROM FUNDAMENTAL LIMITATIONS THAT AFFECT PERFORMANCE TO MAJOR INNOVATIONS FOR BUILDING EVEN MORE POWERFUL BROWSER APPLICATIONS—including HTTP 2.0 AND XHR IMPROVEMENTS, SERVER-SENT EVENTS (SSE), WEBSOCKET, AND WEBRTC. AUTHOR ILYA GRIGORIK, A WEB PERFORMANCE ENGINEER AT GOOGLE, DEMONSTRATES PERFORMANCE OPTIMIZATION BEST PRACTICES FOR TCP, UDP, AND TLS PROTOCOLS, AND EXPLAINS UNIQUE WIRELESS AND MOBILE NETWORK OPTIMIZATION REQUIREMENTS. YOU'LL THEN DIVE INTO PERFORMANCE CHARACTERISTICS OF TECHNOLOGIES SUCH AS HTTP

2.0, CLIENT-SIDE NETWORK SCRIPTING WITH XHR, REAL-TIME STREAMING WITH SSE AND WEBSOCKET, AND P2P COMMUNICATION WITH WEBRTC. DELIVER SUPERLATIVE TCP, UDP, AND TLS PERFORMANCE SPEED UP NETWORK PERFORMANCE OVER 3G/4G MOBILE NETWORKS DEVELOP FAST AND ENERGY-EFFICIENT MOBILE APPLICATIONS ADDRESS BOTTLENECKS IN HTTP 1.X AND OTHER BROWSER PROTOCOLS PLAN FOR AND DELIVER THE BEST HTTP 2.0 PERFORMANCE ENABLE EFFICIENT REAL-TIME STREAMING IN THE BROWSER CREATE EFFICIENT PEER-TO-PEER VIDEOCONFERENCING AND LOW-LATENCY APPLICATIONS WITH REAL-TIME WEBRTC TRANSPORTS

DATA COMMUNICATIONS AND NETWORKING WITH TCP/IP PROTOCOL SUITE - BEHROUZ A. FOROUZAN 2021-03

REVISED EDITION OF: DATA COMMUNICATIONS AND NETWORKING.

DATA NETWORKS - DIMITRI P. BERTSEKAS 1992-01-01

THIS VOLUME IS DESIGNED TO DEVELOP AN UNDERSTANDING OF DATA NETWORKS AND EVOLVING INTEGRATED NETWORKS, AND TO EXPLORE EVOLVING INTEGRATED NETWORKS AND THE VARIOUS ANALYSIS AND DESIGN TOOLS. IT BEGINS WITH AN OVERVIEW OF THE PRINCIPLES BEHIND DATA NETWORKS, THEN DEVELOPS AN UNDERSTANDING OF THE MODELLING ISSUES AND MATHEMATICAL ANALYSIS NEEDED TO COMPARE THE EFFECTIVENESS OF DIFFERENT NETWORKS.

DATA COMMUNICATION AND NETWORKING: A PRACTICAL APPROACH - MASSOUD MOUSSAVI 2011-12-05

DATA COMMUNICATION AND NETWORKING, FIRST EDITION PROVIDES A SOLID, THOROUGH OVERVIEW OF DATA COMMUNICATIONS AND NETWORKING FOR ENGINEERING TECHNOLOGY PROGRAMS. THIS TEXT COVERS INFORMATION FOR ONE OR MORE COURSES SPANNING DIGITAL COMMUNICATION SYSTEMS, COMPUTER COMMUNICATION AND NETWORKS, AND DATA COMMUNICATIONS. IT IS SPECIFICALLY WRITTEN AND DESIGNED FOR ENGINEERING AND ENGINEERING TECHNOLOGY LEARNERS BY USING A SYSTEMATIC AND VISUAL APPROACH WITH ABUNDANT TABLES, ILLUSTRATIONS, AND PRACTICAL EXAMPLES MAKING IT EASY FOR STUDENTS TO COMPREHEND CONCEPTS. CONTENT BEGINS WITH DATA COMMUNICATION, SIGNAL CONVERSION AND ISSUES IN DATA TRANSMISSION. EACH CHAPTER INCLUDES AN INTRODUCTION, SUMMARY OF KEY INFORMATION, AS WELL AS PRACTICE QUESTIONS AND PROBLEMS WITH ANSWERS. THE TEXT ALSO INCLUDES COVERAGE OF NETWORK AND NETWORK STANDARDS, ETHERNET, NETWORK COMPONENTS AND TRANSMISSION CONTROL AND INTERNET'S PROTOCOLS (TCP/IP). THE INTEGRATION OF APPLICATIONS AND LABORATORY EXPERIMENTS ARE FOUND THROUGHOUT THE TEXT, MAKING DATA COMMUNICATION AND NETWORKING, FIRST EDITION A ONE-OF-A-KIND AND PRACTICAL TEXT. IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.

FIELDBUS AND NETWORKING IN PROCESS AUTOMATION - SUNIT KUMAR SEN 2017-12-19

FIELDBUSES, PARTICULARLY WIRELESS FIELDBUSES, OFFER A MULTITUDE OF BENEFITS TO PROCESS CONTROL AND AUTOMATION. FIELDBUSES REPLACE POINT-TO-POINT TECHNOLOGY WITH DIGITAL COMMUNICATION NETWORKS, OFFERING INCREASED DATA AVAILABILITY AND EASIER CONFIGURABILITY AND INTEROPERABILITY. FIELDBUS AND NETWORKING IN PROCESS AUTOMATION DISCUSSES THE NEWEST FIELDBUSES ON THE MARKET TODAY, DETAILING THEIR UTILITIES, COMPONENTS AND CONFIGURATIONS, WIRING AND INSTALLATION METHODS, COMMISSIONING, AND SAFETY ASPECTS UNDER HOSTILE ENVIRONMENTAL CONDITIONS. THIS CLEAR AND CONCISE TEXT: CONSIDERS THE ADVANTAGES AND SHORTCOMINGS OF THE MOST SOUGHT AFTER FIELDBUSES, INCLUDING HART, FOUNDATION FIELDBUS, AND PROFIBUS PRESENTS AN OVERVIEW OF DATA COMMUNICATION, NETWORKING, CABLING, SURGE PROTECTION SYSTEMS, AND DEVICE CONNECTION TECHNIQUES PROVIDES COMPREHENSIVE COVERAGE OF INTRINSIC SAFETY ESSENTIAL TO THE PROCESS CONTROL, AUTOMATION, AND CHEMICAL INDUSTRIES DESCRIBES DIFFERENT WIRELESS STANDARDS AND THEIR COEXISTENCE ISSUES, AS WELL AS WIRELESS SENSOR NETWORKS EXAMINES THE LATEST OFFERINGS IN THE WIRELESS NETWORKING ARENA, SUCH AS WHART AND ISA 100.11A OFFERING A SNAPSHOT OF THE CURRENT STATE OF THE ART, FIELDBUS AND NETWORKING IN PROCESS AUTOMATION NOT ONLY ADDRESSES ASPECTS OF INTEGRATION, INTEROPERABILITY, OPERATION, AND AUTOMATION PERTAINING TO FIELDBUSES, BUT ALSO ENCOURAGES READERS TO EXPLORE POTENTIAL APPLICATIONS IN ANY GIVEN INDUSTRIAL ENVIRONMENT.

COMPUTER AND COMMUNICATION NETWORKS - NADER F. MIR 2015

COMPUTER AND COMMUNICATION NETWORKS, SECOND EDITION FIRST ESTABLISHES A SOLID FOUNDATION IN BASIC NETWORKING CONCEPTS, TCP/IP SCHEMES, WIRELESS NETWORKING, INTERNET APPLICATIONS, AND NETWORK SECURITY. NEXT, MIR DELVES INTO THE MATHEMATICAL ANALYSIS OF NETWORKS, AS WELL AS ADVANCED NETWORKING PROTOCOLS. THIS FULLY-UPDATED TEXT THOROUGHLY EXPLAINS THE MODERN TECHNOLOGIES OF NETWORKING AND COMMUNICATIONS AMONG COMPUTERS, SERVERS, ROUTERS, AND OTHER SMART COMMUNICATION DEVICES, HELPING READERS DESIGN COST-EFFECTIVE NETWORKS THAT MEET EMERGING REQUIREMENTS. OFFERING UNIQUELY BALANCED COVERAGE OF ALL KEY BASIC AND ADVANCED TOPICS, IT TEACHES THROUGH EXTENSIVE, UP-TO-DATE CASE STUDIES, 400 EXAMPLES AND EXERCISES, AND 250+ ILLUSTRATIVE FIGURES. NADER F. MIR PROVIDES THE PRACTICAL, SCENARIO-BASED INFORMATION MANY NETWORKING BOOKS LACK, AND OFFERS A UNIQUELY EFFECTIVE BLEND OF THEORY AND IMPLEMENTATION. DRAWING ON EXTENSIVE EXPERIENCE IN THE FIELD, HE INTRODUCES A WIDE SPECTRUM OF CONTEMPORARY APPLICATIONS, AND COVERS SEVERAL KEY TOPICS THAT COMPETITIVE TEXTS SKIM PAST OR IGNORE COMPLETELY, SUCH AS SOFTWARE-DEFINED NETWORKING (SDN) AND INFORMATION-CENTRIC NETWORKING.

TELECOMMUNICATION SWITCHING AND NETWORKS - P. GNANASIVAM 2005

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.

FUNDAMENTALS OF DATA COMMUNICATION NETWORKS - OLIVER C. IBE 2017-11-01

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.

DATA COMMUNICATIONS AND COMPUTER NETWORKS 2ND Ed. - BRIJENDRA SINGH 2006-06

DATA COMMUNICATION PRINCIPLES - AFTAB AHMAD 2007-05-08

DATA COMMUNICATION PRINCIPLES FOR FIXED AND WIRELESS NETWORKS FOCUSES ON THE PHYSICAL AND DATA LINK LAYERS. INCLUDED ARE EXAMPLES THAT APPLY TO A DIVERSIFIED RANGE OF HIGHER LEVEL PROTOCOLS SUCH AS TCP/IP, OSI AND PACKET BASED WIRELESS NETWORKS. PERFORMANCE MODELING IS INTRODUCED FOR BEGINNERS REQUIRING BASIC MATHEMATICS. SEPARATE DISCUSSION HAS BEEN INCLUDED ON WIRELESS CELLULAR NETWORKS PERFORMANCE AND ON THE SIMULATION OF NETWORKS. THROUGHOUT THE BOOK, WIRELESS LANS HAS BEEN GIVEN THE SAME LEVEL OF TREATMENT AS FIXED NETWORK PROTOCOLS. IT IS ASSUMED THAT READERS WOULD BE FAMILIAR WITH BASIC MATHEMATICS AND HAVE SOME KNOWLEDGE OF BINARY NUMBER SYSTEMS. DATA COMMUNICATION PRINCIPLES FOR FIXED AND WIRELESS NETWORKS IS FOR STUDENTS AT THE SENIOR UNDERGRADUATE AND FIRST YEAR GRADUATE LEVELS. IT CAN ALSO BE USED AS A REFERENCE WORK FOR PROFESSIONALS WORKING IN THE AREAS OF DATA NETWORKS, COMPUTER NETWORKS AND INTERNET PROTOCOLS.

COMPUTER COMMUNICATIONS - WILLIAM STALLINGS 1992

DATA COMMUNICATIONS AND COMPUTER NETWORKS - PRAKASH C. GUPTA 2013-11-02

PRIMARILY INTENDED AS A TEXT FOR UNDERGRADUATE COURSES IN ELECTRONICS AND COMMUNICATIONS ENGINEERING, COMPUTER SCIENCE, IT COURSES, AND COMPUTER APPLICATIONS, THIS UP-TO-DATE AND ACCESSIBLE TEXT GIVES AN INDEPTH ANALYSIS OF DATA COMMUNICATIONS AND COMPUTER NETWORKS IN AN EASY-TO-READ STYLE. THOUGH A NEW TITLE, IT IS A COMPLETELY REVISED AND FULLY UPDATED VERSION OF THE AUTHOR'S EARLIER BOOK DATA COMMUNICATIONS. THE RAPID STRIDES MADE DURING THE LAST DECADE IN THE FIELDS OF DATA COMMUNICATION AND NETWORKING, AND THE CLOSE LINK BETWEEN THESE TWO SUBJECTS HAVE PROMPTED THE AUTHOR TO ADD SEVERAL CHAPTERS ON COMPUTER NETWORKS IN THIS TEXT. THE BOOK GIVES A MASTERLY ANALYSIS OF TOPICS RANGING FROM THE PRINCIPLES OF DATA TRANSMISSION TO COMPUTER NETWORKING APPLICATIONS. IT ALSO PROVIDES STANDARD PROTOCOLS, THEREBY ENABLING TO BRIDGE THE GAP BETWEEN THEORY AND PRACTICE. WHAT'S MORE, IT CORRELATES THE NETWORK PROTOCOLS TO THE CONCEPTS, WHICH ARE EXPLAINED WITH THE HELP OF NUMEROUS EXAMPLES TO FACILITATE STUDENTS' UNDERSTANDING OF THE SUBJECT. THIS WELL-ORGANIZED TEXT PRESENTS THE LATEST DEVELOPMENTS IN THE FIELD AND DETAILS CURRENT TOPICS OF INTEREST SUCH AS MULTICASTING, MPLS, IPv6, GIGABIT ETHERNETS, IPSEC, SSL, AUTO-NEGOTIATION, WIRELESS LANS, NETWORK SECURITY, DIFFERENTIATED SERVICES, AND ADSL. BESIDES STUDENTS, THE PRACTICING PROFESSIONALS WOULD FIND THE BOOK TO BE A VALUABLE RESOURCE. THE BOOK, IN ITS SECOND EDITION INTRODUCES A FULL CHAPTER ON QUALITY OF SERVICE, HIGHLIGHTING THE MEANING, PARAMETERS AND FUNCTIONS REQUIRED FOR QUALITY OF SERVICE. THIS BOOK IS RECOMMENDED IN KAZIRANGA UNIVERSITY, NAGALAND, IIT GUWAHATI, ASSAM AND WEST BENGAL UNIVERSITY OF TECHNOLOGY (WBUT), WEST BENGAL FOR B.TECH. KEY FEATURES • THE BOOK IS SELF-CONTAINED AND STUDENT FRIENDLY. • THE SEQUENTIAL ORGANIZATION LENDS FLEXIBILITY IN DESIGNING COURSES ON THE SUBJECT. • LARGE NUMBER OF EXAMPLES, DIAGRAMS AND TABLES ILLUSTRATE THE CONCEPTS DISCUSSED IN THE TEXT. • NUMEROUS EXERCISES (WITH ANSWERS), A LIST OF ACRONYMS, AND REFERENCES TO PROTOCOL STANDARDS.

PRACTICAL DATA COMMUNICATIONS FOR INSTRUMENTATION AND CONTROL - JOHN PARK 2003-07-28

OVERVIEW OF DATA COMMUNICATIONS; BASIC DATA COMMUNICATION PRINCIPLES; PHYSICAL SERIAL COMMUNICATION STANDARDS; ERROR DETECTION; CABLING BASICS; ELECTRICAL NOISE AND INTERFERENCE; MODEMS AND MULTIPLEXERS; INTRODUCTION TO

PROTOCOLS; OPEN SYSTEMS INTERCONNECTION MODEL; INDUSTRIAL PROTOCOLS; HART PROTOCOL; OPEN INDUSTRIAL FIELDBUS AND DEVICENET SYSTEMS; LOCAL AREA NETWORKS; APPENDIX A: NUMBERING SYSTEMS; APPENDIX B: CYCLIC REDUNDANCY CHECK (CRC) PROGRAM LISTING; APPENDIX C: SERIAL LINK DESIGN; GLOSSARY.

HIGH-PERFORMANCE COMMUNICATION NETWORKS - JEAN WALRAND 2000

RETAINING THE FIRST EDITION'S TECHNOLOGY-CENTRED PERSPECTIVE, THIS BOOK GIVES READERS A SOUND UNDERSTANDING OF PACKED-SWITCHED, CIRCUIT-SWITCHED AND ATM NETWORKS, AND TECHNIQUES FOR CONTROLLING THEM.

HOW TO ACCELERATE YOUR INTERNET - ROB FLICKENGER 2006-10-01

FUNDAMENTALS OF COMMUNICATIONS AND NETWORKING - MICHAEL G. SOLOMON 2014-08-08

TODAY'S NETWORKS ARE REQUIRED TO SUPPORT AN INCREASING ARRAY OF REAL-TIME COMMUNICATION METHODS. VIDEO CHAT, REAL-TIME MESSAGING, AND ALWAYS-CONNECTED RESOURCES PUT DEMANDS ON NETWORKS THAT WERE PREVIOUSLY UNIMAGINED. THE SECOND EDITION OF FUNDAMENTALS OF COMMUNICATIONS AND NETWORKING HELPS READERS BETTER UNDERSTAND TODAY'S NETWORKS AND THE WAY THEY SUPPORT THE EVOLVING REQUIREMENTS OF DIFFERENT TYPES OF ORGANIZATIONS. IT DISCUSSES THE CRITICAL ISSUES OF DESIGNING A NETWORK THAT WILL MEET AN ORGANIZATION'S PERFORMANCE NEEDS AND DISCUSSES HOW BUSINESSES USE NETWORKS TO SOLVE BUSINESS PROBLEMS. USING NUMEROUS EXAMPLES AND EXERCISES, THIS TEXT INCORPORATES HANDS-ON ACTIVITIES TO PREPARE READERS TO FULLY UNDERSTAND AND DESIGN MODERN NETWORKS AND THEIR REQUIREMENTS. KEY FEATURES OF THE SECOND EDITION: - INTRODUCES NETWORK BASICS BY DESCRIBING HOW NETWORKS WORK - DISCUSSES HOW NETWORKS SUPPORT THE INCREASING DEMANDS OF ADVANCED COMMUNICATIONS - ILLUSTRATES HOW TO MAP THE RIGHT TECHNOLOGY TO AN ORGANIZATION'S NEEDS AND BUSINESS GOALS - OUTLINES HOW BUSINESSES USE NETWORKS TO SOLVE BUSINESS PROBLEMS, BOTH TECHNICALLY AND OPERATIONALLY.

THE HANDBOOK OF DATA COMMUNICATIONS AND NETWORKS - B. BUCHANAN 2013-12-04

02. 2 NETWORK TOPOLOGIES 744 02. 3 TOKEN RING 747 02. 4 ETHERNET 749 02. 5 LAN COMPONENTS 752 02. 6 CABLING STANDARDS 762 02. 7 IMPORTANT NETWORKING DEFINITIONS 769 03 ETHERNET 771 03. 1 INTRODUCTION 771 03. 2 IEEE STANDARDS 772 03. 3 ETHERNET-MEDIA ACCESS CONTROL (MAC) LAYER 773 03. 4 IEEE 802. 2 AND ETHERNET SNAP 775 03. 5 OSI AND THE IEEE 802. 3 STANDARD 777 03. 6 ETHERNET TYPES 780 03. 7 TWISTED-PAIR HUBS 781 03. 8 100 Mbps ETHERNET 782 03. 9 GIGABIT ETHERNET 787 03. 10 BRIDGES 792 03. 11 ARP 793 03. 12 RARP 797 03. 13 SPANNING-TREE PROTOCOL 798 03. 14 ADDITIONAL 799 03. 15 NETWORK INTERFACE CARD DESIGN BOO 03. 16 82559-BASED ETHERNET 804 03. 17 COMPARISON OF FAST ETHERNET WITH OTHER TECHNOLOGIES 806 04 NETWORK DESIGN, SWITCHES AND vLANs 807 04. 1 INTRODUCTION 807 04. 2 NETWORK DESIGN 807 04. 3 HIERARCHICAL NETWORK DESIGN 809 04. 4 SWITCHES AND SWITCHING HUBS 814 04. 5 vLANs 818 05 TOKEN RING 825 05. 1 INTRODUCTION 825 05. 2 OPERATION 825 05. 3 TOKEN RING-MEDIA ACCESS CONTROL (MAC) 826 05. 4 TOKEN RING MAINTENANCE 828 05. 5 TOKEN RING MULTISTATION ACCESS UNITS (MAUs) 829 05. 6 CABLING AND CONNECTORS 830 05. 7 REPEATERS 830 05. 8 JITTER SUPPRESSION 831 06 FDDI 833 06. 1 INTRODUCTION 833 06. 2 OPERATION 834 06. 3 FOOL LAYERS 834 06. 4 SMT PROTOCOL 836 06. 5 PHYSICAL CONNECTION MANAGEMENT 836 06.

DATA COMMUNICATIONS AND COMPUTER NETWORKS - MICHAEL DUCK 2003

INTRODUCTION, DATACOMMUNICATIONS, INFORMATION THEORY, INTRODUCTION TO LOCAL AREA NETWORKS. INTERNET PROTOCOLS ...

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

COMMUNICATION NETWORKS - ALBERTO LEON-GARCIA 2006

. THIS BOOK IS DESIGNED FOR INTRODUCTORY ONE-SEMESTER OR ONE-YEAR COURSES IN COMMUNICATIONS NETWORKS IN UPPER-LEVEL UNDERGRADUATE PROGRAMS. THE SECOND HALF OF THE BOOK CAN BE USED IN MORE ADVANCED COURSES. AS PRE-REQUISITES THE BOOK ASSUMES A GENERAL KNOWLEDGE OF COMPUTER SYSTEMS AND PROGRAMMING, AND ELEMENTARY CALCULUS. THE SECOND EDITION EXPANDS ON THE SUCCESS OF THE FIRST EDITION BY UPDATING ON TECHNOLOGICAL CHANGES IN NETWORKS AND RESPONDING TO COMPREHENSIVE MARKET FEEDBACK..

DATA COMM NETWORKG 2/E UPDATE - BEHROUZ A. FOROUZAN 2003

NETWORK WARRIOR - GARY A. DONAHUE 2011-05-13

PICK UP WHERE CERTIFICATION EXAMS LEAVE OFF. WITH THIS PRACTICAL, IN-DEPTH GUIDE TO THE ENTIRE NETWORK INFRASTRUCTURE, YOU'LL LEARN HOW TO DEAL WITH REAL CISCO NETWORKS, RATHER THAN THE HYPOTHETICAL SITUATIONS PRESENTED ON EXAMS LIKE THE CCNA. NETWORK WARRIOR TAKES YOU STEP BY STEP THROUGH THE WORLD OF ROUTERS, SWITCHES, FIREWALLS, AND OTHER TECHNOLOGIES BASED ON THE AUTHOR'S EXTENSIVE FIELD EXPERIENCE. YOU'LL FIND NEW CONTENT FOR MPLS, IPv6, VOIP, AND

WIRELESS IN THIS COMPLETELY REVISED SECOND EDITION, ALONG WITH EXAMPLES OF CISCO NEXUS 5000 AND 7000 SWITCHES THROUGHOUT. TOPICS INCLUDE: AN IN-DEPTH VIEW OF ROUTERS AND ROUTING SWITCHING, USING CISCO CATALYST AND NEXUS SWITCHES AS EXAMPLES SOHO VOIP AND SOHO WIRELESS ACCESS POINT DESIGN AND CONFIGURATION INTRODUCTION TO IPV6 WITH CONFIGURATION EXAMPLES TELECOM TECHNOLOGIES IN THE DATA-NETWORKING WORLD, INCLUDING T1, DS3, FRAME RELAY, AND MPLS SECURITY, FIREWALL THEORY, AND CONFIGURATION, AS WELL AS ACL AND AUTHENTICATION QUALITY OF SERVICE (QoS), WITH AN EMPHASIS ON LOW-LATENCY QUEUING (LLQ) IP ADDRESS ALLOCATION, NETWORK TIME PROTOCOL (NTP), AND DEVICE FAILURES

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

COMMUNICATIONS AND NETWORKING - JUN PENG 2010-09-28

THIS BOOK "COMMUNICATIONS AND NETWORKING" FOCUSES ON THE ISSUES AT THE LOWEST TWO LAYERS OF COMMUNICATIONS AND NETWORKING AND PROVIDES RECENT RESEARCH RESULTS ON SOME OF THESE ISSUES. IN PARTICULAR, IT FIRST INTRODUCES RECENT RESEARCH RESULTS ON MANY IMPORTANT ISSUES AT THE PHYSICAL LAYER AND DATA LINK LAYER OF COMMUNICATIONS AND NETWORKING AND THEN BRIEFLY SHOWS SOME RESULTS ON SOME OTHER IMPORTANT TOPICS SUCH AS SECURITY AND THE APPLICATION OF WIRELESS NETWORKS. IN SUMMARY, THIS BOOK COVERS A WIDE RANGE OF INTERESTING TOPICS OF COMMUNICATIONS AND NETWORKING. THE INTRODUCTIONS, DATA, AND REFERENCES IN THIS BOOK WILL HELP THE READERS KNOW MORE ABOUT THIS TOPIC AND HELP THEM EXPLORE THIS EXCITING AND FAST-EVOLVING FIELD.