

Computer Networking Top Down Approach 4th Edition

THIS IS LIKEWISE ONE OF THE FACTORS BY OBTAINING THE SOFT DOCUMENTS OF THIS **COMPUTER NETWORKING TOP DOWN APPROACH 4TH EDITION** BY ONLINE. YOU MIGHT NOT REQUIRE MORE TIMES TO SPEND TO GO TO THE EBOOK COMMENCEMENT AS CAPABLY AS SEARCH FOR THEM. IN SOME CASES, YOU LIKEWISE COMPLETE NOT DISCOVER THE PRONOUNCEMENT COMPUTER NETWORKING TOP DOWN APPROACH 4TH EDITION THAT YOU ARE LOOKING FOR. IT WILL ENORMOUSLY SQUANDER THE TIME.

HOWEVER BELOW, GONE YOU VISIT THIS WEB PAGE, IT WILL BE APPROPRIATELY TOTALLY SIMPLE TO GET AS SKILLFULLY AS DOWNLOAD GUIDE COMPUTER NETWORKING TOP DOWN APPROACH 4TH EDITION

IT WILL NOT AGREE TO MANY PERIOD AS WE RUN BY BEFORE. YOU CAN DO IT WHILE FUNCTION SOMETHING ELSE AT HOME AND EVEN IN YOUR WORKPLACE. AS A RESULT EASY! So, ARE YOU QUESTION? JUST EXERCISE JUST WHAT WE MEET THE EXPENSE OF UNDER AS SKILLFULLY AS EVALUATION **COMPUTER NETWORKING TOP DOWN APPROACH 4TH EDITION** WHAT YOU SIMILAR TO TO READ!

CLINICAL SOCIAL WORK PRACTICE - MARLENE G. COOPER 2005

THE NEW EDITION OF THIS PRIMARY TEXT FOR ADVANCED CLINICAL PRACTICE COURSES AT THE CORE OF THE MSW CURRICULUM TEACHES STUDENTS HOW TO INTEGRATE THEORY AND PRACTICE ON MULTIPLE LEVELS. HIGHLIGHTS OF THE NEW EDITION: CHAPTERS 6-12 PRESENT CLINICAL ILLUSTRATIONS THROUGH THE LENSES OF SPECIFIC THEORETICAL MODELS, BEGINNING WITH A DETAILED DISCUSSION OF A THEORY AND MOVING TO ASSESSMENT AND TREATMENT WITHIN THAT CONCEPTUAL FRAMEWORK. DIALOGUE ILLUSTRATES HOW THEORY GUIDES PRACTICE. MODELS OF INTERVENTION ARE COVERED IN SEVEN CHAPTERS (CHAPTERS 7-13). EACH CHAPTER PRESENTS A CLINICAL ILLUSTRATION OF AN INDIVIDUAL, FAMILY, OR GROUP AND EXAMINES THEM USING A SPECIFIC THEORETICAL MODEL. REVIEWER REACTIONS TO "CLINICAL SOCIAL WORK PRACTICE: ""I FEEL THE AUTHORS DO A FINE JOB IN THE PRESENTATION OF THE MATERIAL. THE BOOK IS INTERESTING, WELL WRITTEN, AND ENGAGING. THE AUTHORS SUCCEEDED IN KEEPING MY ATTENTION THROUGHOUT THE TEXT."" ROBERT H. KEEFE, SYRACUSE UNIVERSITY ""THE CORE OF THE VARIOUS PSYCHOLOGIES AND THEIR APPLICATION TO CLIENTS IS PRESENTED QUITE WELL."" CAROLE A. WINSTON, UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE DON'T MISS THIS SPECIAL VALUE PACK OPTION: THE CAREER CENTER DO YOUR STUDENTS NEED HELP TRANSITIONING FROM BEING A STUDENT TO BECOMING A PROFESSIONAL? WITH "THE CAREER CENTER," THEY CAN REGISTER TO RECEIVE EIGHT 30-MINUTE CAREER COUNSELING SESSIONS--A TOTAL OF FOUR HOURS OF CAREER CONSULTANT TIME! "THE CAREER CENTER" IS DESIGNED TO ADDRESS THE WIDE RANGE OF PREPARATION AND LIFE STAGES OF INDIVIDUALS WHO ARE ATTEMPTING TO DEVELOP THEIR CAREERS. QUALIFIED CAREER SPECIALISTS ADVISE STUDENTS AS THEY ESTABLISH, OR REESTABLISH, THEMSELVES IN TODAY'S COMPETITIVE GLOBAL ECONOMY. "THE CAREER CENTER"--A \$25 VALUE--IS FREE TO YOUR STUDENTS WHEN YOU ORDER IT PACKAGED WITH ANY NEW ALLYN & BACON SOCIAL WORK TEXTBOOK. VISIT WWW.ABLONGMAN.COM/CAREERCENTER FOR MORE INFORMATION. "CASEBOOK FOR CLINICAL SOCIAL WORK PRACTICE: AN INTEGRATIVE APPROACH" (ISBN: 0-205-44200-5) --BY DR. MANNY GONZALEZ, FORDHAM UNIVERSITY. AVAILABLE FALL 2004! CONTACT YOUR LOCAL ALLYN & BACON REPRESENTATIVE AND REQUEST SPECIAL PACKAGING CODES TO TAKE ADVANTAGE OF THIS GREAT OFFER.

COMPUTER NETWORKING - JAMES F. KUROSE 2008

COMPUTER NETWORKING: A TOP DOWN APPROACH.

NETWORKING FUNDAMENTALS - CRYSTAL PANEK 2019-10-31

A CLEAR AND CONCISE RESOURCE ON WINDOWS NETWORKING, PERFECT FOR IT BEGINNERS DID YOU KNOW THAT NEARLY 85% OF IT SUPPORT ROLES REQUIRE A GOOD UNDERSTANDING OF NETWORKING CONCEPTS? IF YOU ARE LOOKING TO ADVANCE YOUR IT CAREER, YOU WILL NEED A FOUNDATIONAL UNDERSTANDING OF WINDOWS NETWORKING. NETWORK FUNDAMENTALS COVERS EVERYTHING YOU NEED TO KNOW ABOUT NETWORK INFRASTRUCTURES, HARDWARE, PROTOCOLS, AND SERVICES. YOU WILL LEARN EVERYTHING YOU NEED TO GAIN THE HIGHLY IN-DEMAND NETWORKING FUNDAMENTALS MTA CERTIFICATION. THIS ENTRY-LEVEL CREDENTIAL COULD BE YOUR FIRST STEP INTO A REWARDING, STABLE AND LUCRATIVE IT CAREER. THIS NEW SYBEX GUIDE COVERS THE BASICS OF NETWORKING STARTING FROM THE "GROUND LEVEL," SO NO PREVIOUS IT KNOWLEDGE IS REQUIRED. EACH CHAPTER FEATURES APPROACHABLE DISCUSSION OF THE LATEST NETWORKING TECHNOLOGIES AND CONCEPTS, CLOSING WITH A QUIZ SO YOU CAN TEST YOUR KNOWLEDGE BEFORE MOVING TO THE NEXT SECTION. EVEN IF YOU ARE BRAND NEW TO COMPUTERS, NETWORK FUNDAMENTALS WILL GUIDE YOU TO CONFIDENCE AND MASTERY. UNDERSTAND WIRED AND WIRELESS NETWORKS IN EVERY DETAIL LEARN EVERYTHING YOU NEED TO ATTAIN THE NETWORKING FUNDAMENTALS MTA CERTIFICATION TEST YOUR KNOWLEDGE WITH END-OF-CHAPTER QUIZ QUESTIONS UNDERSTAND INTERNET PROTOCOL (IP) AND CATEGORIZE IPV4 ADDRESSES WORK WITH NETWORKING SERVICES AND AREA NETWORKS DEFINE NETWORK INFRASTRUCTURES AND NETWORK SECURITY, INCLUDING INTRANETS, EXTRANETS, AND VPNS BEGINNING AND ESTABLISHED IT PROFESSIONALS LOOKING TO UNDERSTAND MORE ABOUT NETWORKING WILL GAIN THE KNOWLEDGE TO CREATE A NETWORK DIAGRAM AND CONFIDENTLY EXPLAIN BASIC NETWORKING CONCEPTS. THANKS TO THE FEATURES IN THIS BOOK, YOU WILL BE ABLE TO APPLY YOUR NEW NETWORKING SKILLS IN REAL WORLD SITUATIONS AND FEEL CONFIDENT WHEN TAKING THE CERTIFICATION TEST.

AN OBJECT-ORIENTED APPROACH TO PROGRAMMING LOGIC AND DESIGN - JOYCE FARRELL 2012-02-09

PROVIDE BEGINNING PROGRAMMERS WITH A GUIDE TO DEVELOPING OBJECT-ORIENTED PROGRAM LOGIC WITH FARRELL'S AN OBJECT-ORIENTED APPROACH TO PROGRAMMING LOGIC AND DESIGN, 4E. THIS TEXT TAKES A UNIQUE, LANGUAGE-INDEPENDENT APPROACH TO ENSURE STUDENTS DEVELOP A STRONG FOUNDATION IN TRADITIONAL PROGRAMMING PRINCIPLES AND OBJECT-ORIENTED CONCEPTS BEFORE LEARNING THE DETAILS OF A SPECIFIC PROGRAMMING LANGUAGE. THE AUTHOR PRESENTS OBJECT-ORIENTED PROGRAMMING TERMINOLOGY WITHOUT HIGHLY TECHNICAL LANGUAGE, MAKING THE BOOK IDEAL FOR STUDENTS WITH NO PREVIOUS PROGRAMMING EXPERIENCE. COMMON BUSINESS EXAMPLES CLEARLY ILLUSTRATE KEY POINTS. THE BOOK BEGINS WITH A STRONG OBJECT-ORIENTED FOCUS IN UPDATED CHAPTERS THAT MAKE EVEN THE MOST CHALLENGING PROGRAMMING CONCEPTS ACCESSIBLE. A WEALTH OF UPDATED PROGRAMMING EXERCISES IN EVERY CHAPTER PROVIDE DIVERSE PRACTICE OPPORTUNITIES, WHILE NEW VIDEO LESSONS BY THE AUTHOR

CLARIFY AND EXPAND ON KEY TOPICS. USE THIS TEXT ALONE OR WITH A LANGUAGE-SPECIFIC COMPANION TEXT THAT EMPHASIZES C++, JAVA OR VISUAL BASIC FOR THE SOLID INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING LOGIC YOUR STUDENTS NEED FOR SUCCESS. IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION. **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

NETWORK DESIGN FOR IP CONVERGENCE - YEZID DONOSO 2009-02-23

THE EMERGENCE OF QUALITY-OF-SERVICE (QoS) MECHANISMS CONTINUES TO PROPEL THE DEVELOPMENT OF REAL-TIME MULTIMEDIA SERVICES SUCH AS VOIP AND VIDEOCONFERENCING. HOWEVER, MANY CHALLENGES REMAIN IN ACHIEVING OPTIMIZED STANDARDIZATION CONVERGENCE. NETWORK DESIGN FOR IP CONVERGENCE IS A COMPREHENSIVE, GLOBAL GUIDE TO RECENT ADVANCES IN IP NETWORK IMPLEMENTATION. PROVIDING AN INTRODUCTION TO BASIC LAN/WAN/MAN NETWORK DESIGN, THE AUTHOR COVERS THE LATEST EQUIPMENT AND ARCHITECTURE, ADDRESSING, QoS POLICIES, AND INTEGRATION OF SERVICES, AMONG OTHER TOPICS. THE BOOK EXPLAINS HOW TO INTEGRATE THE DIFFERENT LAYERS OF REFERENCE MODELS AND VARIOUS TECHNOLOGICAL PLATFORMS TO MIRROR THE HARMONIZATION THAT OCCURS IN THE REAL WORLD OF CARRIER NETWORKS. IT FURNISHES APPROPRIATE DESIGNS FOR TRADITIONAL AND CRITICAL SERVICES IN THE LAN AND CARRIER NETWORKS (BOTH MAN AND WAN), AND IT CLARIFIES HOW A SPECIFIC LAYER OR TECHNOLOGY CAN CAUSE THOSE SERVICES TO MALFUNCTION. THIS BOOK LAYS A FOUNDATION FOR UNDERSTANDING WITH CONCEPTS AND APPLICABILITY OF QoS PARAMETERS UNDER THE MULTILAYER SCHEME, AND A SOLID EXPLANATION OF SERVICE INFRASTRUCTURE. IT GOES ON TO DESCRIBE INTEGRATION IN BOTH REAL TIME AND "NOT REAL TIME," ELABORATING ON HOW BOTH PROCESSES CAN CO-EXIST WITHIN THE SAME IP NETWORK AND CONCLUDING WITH THE DESIGNS AND CONFIGURATIONS OF SERVICE CONNECTIONS. LEARN HOW TO OVERCOME OBSTACLES TO IMPROVE TECHNOLOGY THIS SWEEPING ANALYSIS OF THE IMPLEMENTATION OF IP CONVERGENCE AND QoS MECHANISMS HELPS DESIGNERS AND OPERATORS GET PAST KEY OBSTACLES, SUCH AS INTEGRATING PLATFORM LAYERS AND TECHNOLOGIES AND IMPLEMENTING VARIOUS ASSOCIATED QoS CONCEPTS, TO IMPROVE TECHNOLOGY AND STANDARDS.

TOP-DOWN NETWORK DESIGN - PRISCILLA OPPENHEIMER 2004

A SYSTEMS ANALYSIS APPROACH TO ENTERPRISE NETWORK DESIGN MASTER TECHNIQUES FOR CHECKING THE HEALTH OF AN EXISTING NETWORK TO DEVELOP A BASELINE FOR MEASURING PERFORMANCE OF A NEW NETWORK DESIGN EXPLORE SOLUTIONS FOR MEETING QoS REQUIREMENTS, INCLUDING ATM TRAFFIC MANAGEMENT, IETF CONTROLLED-LOAD AND GUARANTEED SERVICES, IP MULTICAST, AND ADVANCED SWITCHING, QUEUING, AND ROUTING ALGORITHMS DEVELOP NETWORK DESIGNS THAT PROVIDE THE HIGH BANDWIDTH AND LOW DELAY REQUIRED FOR REAL-TIME APPLICATIONS SUCH AS MULTIMEDIA, DISTANCE LEARNING, AND VIDEOCONFERENCING IDENTIFY THE ADVANTAGES AND DISADVANTAGES OF VARIOUS SWITCHING AND ROUTING PROTOCOLS, INCLUDING TRANSPARENT BRIDGING, INTER-SWITCH LINK (ISL), IEEE 802.1Q, IGRP, EIGRP, OSPF, AND BGP4 EFFECTIVELY INCORPORATE NEW TECHNOLOGIES INTO ENTERPRISE NETWORK DESIGNS, INCLUDING VPNS, WIRELESS NETWORKING, AND IP TELEPHONY TOP-DOWN NETWORK DESIGN, SECOND EDITION, IS A PRACTICAL AND COMPREHENSIVE GUIDE TO DESIGNING ENTERPRISE NETWORKS THAT ARE RELIABLE, SECURE, AND MANAGEABLE. USING ILLUSTRATIONS AND REAL-WORLD EXAMPLES, IT TEACHES A SYSTEMATIC METHOD FOR NETWORK DESIGN THAT CAN BE APPLIED TO CAMPUS LANS, REMOTE-ACCESS NETWORKS, WAN LINKS, AND LARGE-SCALE INTERNETWORKS. YOU WILL LEARN TO ANALYZE BUSINESS AND TECHNICAL REQUIREMENTS, EXAMINE TRAFFIC FLOW AND QoS REQUIREMENTS, AND SELECT PROTOCOLS AND TECHNOLOGIES BASED ON PERFORMANCE GOALS. YOU WILL ALSO DEVELOP AN UNDERSTANDING OF NETWORK PERFORMANCE FACTORS SUCH AS NETWORK UTILIZATION, THROUGHPUT, ACCURACY, EFFICIENCY, DELAY, AND JITTER. SEVERAL CHARTS AND JOB AIDS WILL HELP YOU APPLY A TOP-DOWN APPROACH TO NETWORK DESIGN. THIS SECOND EDITION HAS BEEN REVISED TO INCLUDE NEW AND UPDATED MATERIAL ON WIRELESS NETWORKS, VIRTUAL PRIVATE NETWORKS (VPNS), NETWORK SECURITY, NETWORK REDUNDANCY, MODULARITY IN NETWORK DESIGNS, DYNAMIC ADDRESSING FOR IPV4 AND IPV6, NEW NETWORK DESIGN AND MANAGEMENT TOOLS, ETHERNET SCALABILITY OPTIONS (INCLUDING 10-Gbps ETHERNET,

METRO ETHERNET, AND LONG-REACH ETHERNET), AND NETWORKS THAT CARRY VOICE AND DATA TRAFFIC. TOP-DOWN NETWORK DESIGN, SECOND EDITION, HAS A COMPANION WEBSITE AT [HTTP://WWW.TOPDOWNBOOK.COM](http://www.topdownbook.com), WHICH INCLUDES UPDATES TO THE BOOK, LINKS TO WHITE PAPERS, AND SUPPLEMENTAL INFORMATION ABOUT DESIGN RESOURCES. THIS BOOK IS PART OF THE NETWORKING TECHNOLOGY SERIES FROM CISCO PRESS[®] WHICH OFFERS NETWORKING PROFESSIONALS VALUABLE INFORMATION FOR CONSTRUCTING EFFICIENT NETWORKS, UNDERSTANDING NEW TECHNOLOGIES, AND BUILDING SUCCESSFUL CAREERS.

HOME NETWORKING FOR DUMMIES - KATHY I VENS 2007-06-18

HAVING A NETWORK IN YOUR HOME INCREASES WORK EFFICIENCY AND MINIMIZES CONFUSION. IF YOU WANT TO SET UP A NETWORK IN YOUR HOME BUT YOU'RE NOT QUITE SURE WHERE TO START, THEN HOME NETWORKING FOR DUMMIES MAKES IT EASY FOR YOU TO BECOME YOUR HOUSEHOLD'S NETWORK ADMINISTRATOR. NOW FULLY UPDATED WITH INFORMATION ON THE NEWEST TECHNOLOGY IN NETWORKING AVAILABLE, THIS QUICK AND TO-THE-POINT WALKTHROUGH WILL SHOW YOU HOW TO INSTALL WEB CONNECTIONS IN YOUR ENTIRE HOME, WHETHER BY WIRES, CABLES, OR WIFI. THIS RESOURCEFUL GUIDE ILLUSTRATES: PLANNING AND INSTALLING YOUR NETWORK THE DIFFERENCES BETWEEN ETHERNET CABLE, PHONE LINES, AND WIRELESS TECHNOLOGY CONFIGURING COMPUTER SHARING SETTING UP AND MANAGING USERS INSTALLING, MANAGING, AND TROUBLESHOOTING THE NETWORK PRINTER UNDERSTANDING UNC FORMAT, MAPPING DRIVES, AND TRAVELING ON THE NETWORK WORKING WITH REMOTE FILES SECURING YOUR NETWORK FROM VIRUSES, SPYWARE, AND OTHER BADDIES ALONG WITH THE BASICS, THIS BOOK INTRODUCES FUN WAYS TO USE YOUR NETWORK, INCLUDING SHARING MUSIC, KEEPING SHOPPING LISTS, CREATING PHOTO ALBUMS, SETTING UP A FAMILY BUDGET, AND INSTANT MESSAGING. IT ALSO PROVIDES WAYS TO KEEP YOUR NETWORK SAFE FOR KIDS, SUCH AS TALKING TO YOUR CHILD ABOUT THE INTERNET, CREATING SITE FILTERS, AND ISP E-MAIL FILTERING FEATURES. WITH THIS TRUSTY GUIDE YOUR HOME WILL BE FULLY CONNECTED AND YOU'LL BE WORKING MORE EFFICIENTLY IN NO TIME!

JAVA NETWORK PROGRAMMING - ELLIOTTE RUSTY HAROLD 2000

A GUIDE TO DEVELOPING NETWORK PROGRAMS COVERS NETWORKING FUNDAMENTALS AS WELL AS TCP AND UDP SOCKETS, MULTICASTING PROTOCOL, CONTENT HANDLERS, SERVLETS, I/O, PARSING, JAVA MAIL API, AND JAVA SECURE SOCKETS EXTENSION.

COMPUTER NETWORKING - OLIVIER BONAVENTURE 2016-06-10

ORIGINAL TEXTBOOK (C) OCTOBER 31, 2011 BY OLIVIER BONAVENTURE, IS LICENSED UNDER A CREATIVE COMMONS ATTRIBUTION (CC BY) LICENSE MADE POSSIBLE BY FUNDING FROM THE SAYLOR FOUNDATION'S OPEN TEXTBOOK CHALLENGE IN ORDER TO BE INCORPORATED INTO SAYLOR'S COLLECTION OF OPEN COURSES AVAILABLE AT: [HTTP://WWW.SAYLOR.ORG](http://www.saylor.org). FREE PDF 282 PAGES AT [HTTPS://WWW.TEXTBOOKEQUITY.ORG/BONAVENTURE-COMPUTER-NETWORKING-PRINCIPLES-PROT](https://www.textbookequity.org/bonaventure-computer-networking-principles-protocols-and-practice/)

[COLS-AND-PRACTICE/](https://www.textbookequity.org/bonaventure-computer-networking-principles-protocols-and-practice/) THIS OPEN TEXTBOOK AIMS TO FILL THE GAP BETWEEN THE OPEN-SOURCE IMPLEMENTATIONS AND THE OPEN-SOURCE NETWORK SPECIFICATIONS BY PROVIDING A DETAILED BUT PEDAGOGICAL DESCRIPTION OF THE KEY PRINCIPLES THAT GUIDE THE OPERATION OF THE INTERNET. 1 PREFACE 2 INTRODUCTION 3 THE APPLICATION LAYER 4 THE TRANSPORT LAYER 5 THE NETWORK LAYER 6 THE DATALINK LAYER AND THE LOCAL AREA NETWORKS 7 GLOSSARY 8 BIBLIOGRAPHY

COMPUTER NETWORKS - BEHROUZ A. FOROUZAN 2011

COMPUTER NETWORKS - ANDREW S. TANENBAUM 2019-02

NETWORK SIMULATION EXPERIMENTS MANUAL - EMAD ABOELELA 2011-04-13

NETWORK SIMULATION EXPERIMENTS MANUAL, THIRD EDITION, IS A PRACTICAL TOOL CONTAINING DETAILED, SIMULATION-BASED EXPERIMENTS TO HELP STUDENTS AND PROFESSIONALS LEARN ABOUT KEY CONCEPTS IN COMPUTER NETWORKING. IT ALLOWS THE NETWORKING PROFESSIONAL TO VISUALIZE HOW COMPUTER NETWORKS WORK WITH THE AID OF A SOFTWARE TOOL CALLED OPNET TO SIMULATE NETWORK FUNCTION. OPNET PROVIDES A VIRTUAL ENVIRONMENT FOR MODELING, ANALYZING, AND PREDICTING THE PERFORMANCE OF IT INFRASTRUCTURES, INCLUDING APPLICATIONS, SERVERS, AND NETWORKING TECHNOLOGIES. IT CAN BE DOWNLOADED FREE OF CHARGE AND IS EASY TO INSTALL. THE BOOK'S SIMULATION APPROACH PROVIDES A VIRTUAL ENVIRONMENT FOR A WIDE RANGE OF DESIRABLE FEATURES, SUCH AS MODELING A NETWORK BASED ON SPECIFIED CRITERIA AND ANALYZING ITS PERFORMANCE UNDER DIFFERENT SCENARIOS. THE EXPERIMENTS INCLUDE THE BASICS OF USING OPNET IT GURU ACADEMIC EDITION; OPERATION OF THE ETHERNET NETWORK; PARTITIONING OF A PHYSICAL NETWORK INTO SEPARATE LOGICAL NETWORKS USING VIRTUAL LOCAL AREA NETWORKS (VLANs); AND THE BASICS OF NETWORK DESIGN. ALSO COVERED ARE CONGESTION CONTROL ALGORITHMS IMPLEMENTED BY THE TRANSMISSION CONTROL PROTOCOL (TCP); THE EFFECTS OF VARIOUS QUEUING DISCIPLINES ON PACKET DELIVERY AND DELAY FOR DIFFERENT SERVICES; AND THE ROLE OF FIREWALLS AND VIRTUAL PRIVATE NETWORKS (VPNS) IN PROVIDING SECURITY TO SHARED PUBLIC NETWORKS. EACH EXPERIMENT IN THIS UPDATED EDITION IS ACCOMPANIED BY REVIEW QUESTIONS, A LAB REPORT, AND EXERCISES. NETWORKING DESIGNERS AND PROFESSIONALS AS WELL AS GRADUATE STUDENTS WILL FIND THIS MANUAL EXTREMELY HELPFUL. UPDATED AND EXPANDED BY AN INSTRUCTOR WHO HAS USED OPNET SIMULATION TOOLS IN HIS CLASSROOM FOR NUMEROUS DEMONSTRATIONS AND REAL-WORLD SCENARIOS. SOFTWARE DOWNLOAD BASED ON AN AWARD-WINNING PRODUCT MADE BY OPNET TECHNOLOGIES, INC., WHOSE SOFTWARE IS USED BY THOUSANDS OF COMMERCIAL AND GOVERNMENT ORGANIZATIONS WORLDWIDE, AND BY OVER 500 UNIVERSITIES. USEFUL EXPERIMENTATION FOR PROFESSIONALS IN THE WORKPLACE WHO ARE INTERESTED IN LEARNING AND DEMONSTRATING THE CAPABILITY OF EVALUATING DIFFERENT COMMERCIAL NETWORKING PRODUCTS, I.E., CISCO ROUTERS. COVERS THE CORE NETWORKING TOPOLOGIES AND INCLUDES ASSIGNMENTS ON SWITCHED LANs, NETWORK DESIGN, CSMA, RIP, TCP, QUEUING DISCIPLINES, WEB CACHING, ETC.

JAMES P. KUROSE 2011-07-06

ANDREW S. TANENBAUM 2019-02

PERFORMANCE MODELING AND DESIGN OF COMPUTER SYSTEMS - MOR HARCHOL-BALTER 2013-02-18

WRITTEN WITH COMPUTER SCIENTISTS AND ENGINEERS IN MIND, THIS BOOK BRINGS QUEUEING THEORY DECISIVELY BACK TO COMPUTER SCIENCE.

COMPUTER NETWORKS - ANDREW S. TANENBAUM 1996

COMPUTER NETWORKS IS THE IDEAL INTRODUCTION TO TODAY'S AND TOMORROW'S NETWORKS. THIS CLASSIC BEST-SELLER HAS BEEN TOTALLY REWRITTEN TO REFLECT THE NETWORKS OF THE LATE 1990S AND BEYOND. AUTHOR, EDUCATOR, AND RESEARCHER ANDREW S. TANENBAUM, WINNER OF THE ACM KARL V. KARLSTROM OUTSTANDING EDUCATOR AWARD, CAREFULLY EXPLAINS HOW NETWORKS WORK INSIDE, FROM THE HARDWARE TECHNOLOGY UP THROUGH THE MOST POPULAR NETWORK APPLICATIONS. THE BOOK TAKES A STRUCTURED APPROACH TO NETWORKING, STARTING AT THE BOTTOM (THE PHYSICAL LAYER) AND GRADUALLY WORKING UP TO THE TOP (THE APPLICATION LAYER). THE TOPICS COVERED INCLUDE: *PHYSICAL LAYER (E.G., COPPER, FIBER, RADIO, AND SATELLITE COMMUNICATION) *DATA LINK LAYER (E.G., PROTOCOL PRINCIPLES, HDLC, SLIP, AND PPP) *MAC SUBLAYER (E.G., IEEE 802 LANs, BRIDGES, NEW HIGH-SPEED LANs) *NETWORK LAYER (E.G., ROUTING, CONGESTION CONTROL, INTERNETWORKING, IPV6) *TRANSPORT LAYER (E.G., TRANSPORT PROTOCOL PRINCIPLES, TCP, NETWORK PERFORMANCE) *APPLICATION LAYER (E.G., CRYPTOGRAPHY, EMAIL, NEWS, THE WEB, JAVA, MULTIMEDIA) IN EACH CHAPTER, THE NECESSARY PRINCIPLES ARE DESCRIBED IN DETAIL, FOLLOWED BY EXTENSIVE EXAMPLES TAKEN FROM THE INTERNET, ATM NETWORKS, AND WIRELES

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.

PRINCIPLES OF DISTRIBUTED DATABASE SYSTEMS - M. TAMER ZSU 2011-02-24

THIS THIRD EDITION OF A CLASSIC TEXTBOOK CAN BE USED TO TEACH AT THE SENIOR UNDERGRADUATE AND GRADUATE LEVELS. THE MATERIAL CONCENTRATES ON FUNDAMENTAL THEORIES AS WELL AS TECHNIQUES AND ALGORITHMS. THE ADVENT OF THE INTERNET AND THE WORLD WIDE WEB, AND, MORE RECENTLY, THE EMERGENCE OF CLOUD COMPUTING AND STREAMING DATA APPLICATIONS, HAS FORCED A RENEWAL OF INTEREST IN DISTRIBUTED AND PARALLEL DATA MANAGEMENT, WHILE, AT THE SAME TIME, REQUIRING A RETHINKING OF SOME OF THE TRADITIONAL TECHNIQUES. THIS BOOK COVERS THE BREADTH AND DEPTH OF THIS RE-EMERGING FIELD. THE COVERAGE CONSISTS OF TWO PARTS. THE FIRST PART DISCUSSES THE FUNDAMENTAL PRINCIPLES OF DISTRIBUTED DATA MANAGEMENT AND INCLUDES DISTRIBUTION DESIGN, DATA INTEGRATION, DISTRIBUTED QUERY PROCESSING AND OPTIMIZATION, DISTRIBUTED TRANSACTION MANAGEMENT, AND REPLICATION. THE SECOND PART FOCUSES ON MORE ADVANCED TOPICS AND INCLUDES DISCUSSION OF PARALLEL DATABASE SYSTEMS, DISTRIBUTED OBJECT MANAGEMENT, PEER-TO-PEER DATA MANAGEMENT, WEB DATA MANAGEMENT, DATA STREAM SYSTEMS, AND CLOUD COMPUTING. NEW IN THIS EDITION: • NEW CHAPTERS, COVERING DATABASE REPLICATION, DATABASE INTEGRATION, MULTIDATABASE QUERY PROCESSING, PEER-TO-PEER DATA MANAGEMENT, AND WEB DATA MANAGEMENT. • COVERAGE OF EMERGING TOPICS SUCH AS DATA STREAMS AND CLOUD COMPUTING • EXTENSIVE REVISIONS AND UPDATES BASED ON YEARS OF CLASS TESTING AND FEEDBACK

COMPUTER SECURITY: PRINCIPLES AND PRACTICE - STALLINGS WILLIAM 2008-09

COMPUTER NETWORKS - ANDREW S. TANENBAUM 2019-02

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

ANDREW S. TANENBAUM 2019-02

COMPUTER NETWORKS - ANDREW S. TANENBAUM 2019-02

COMPUTER NETWORKS - ANDREW S. TANENBAUM 2019-02

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.

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 - LARRY L. PETERSON 2000

FUNDAMENTALS OF PROJECT MANAGEMENT - JAMES P. LEWIS 2002

UPDATED CONCEPTS AND TOOLS TO SET UP PROJECT PLANS, SCHEDULE WORK, MONITOR PROGRESS—AND CONSISTENTLY ACHIEVE DESIRED PROJECT RESULTS. IN TODAY'S TIME-BASED AND COST-CONSCIOUS GLOBAL BUSINESS ENVIRONMENT, TIGHT PROJECT DEADLINES AND STRINGENT EXPECTATIONS ARE THE NORM. THIS CLASSIC BOOK PROVIDES BUSINESSPEOPLE WITH AN EXCELLENT INTRODUCTION TO PROJECT MANAGEMENT, SUPPLYING SOUND, BASIC INFORMATION (ALONG WITH UPDATED TOOLS AND TECHNIQUES) TO UNDERSTAND AND MASTER THE COMPLEXITIES AND NUANCES OF PROJECT MANAGEMENT. CLEAR AND DOWN-TO-EARTH, THIS STEP-BY-STEP GUIDE EXPLAINS HOW TO EFFECTIVELY SPEARHEAD EVERY STAGE OF A PROJECT—FROM DEVELOPING THE GOALS AND OBJECTIVES TO MANAGING THE PROJECT TEAM—AND MAKE PROJECT MANAGEMENT WORK IN ANY COMPANY. THIS UPDATED SECOND EDITION INCLUDES: * NEW MATERIAL ON THE PROJECT MANAGEMENT BODY OF KNOWLEDGE (PMBOK) * DO'S AND DON'TS OF IMPLEMENTING SCHEDULING SOFTWARE * COVERAGE OF THE PMP CERTIFICATION OFFERED BY THE PROJECT MANAGEMENT INSTITUTE * UPDATED INFORMATION ON DEVELOPING PROBLEM STATEMENTS AND MISSION STATEMENTS * TECHNIQUES FOR IMPLEMENTING TODAY'S PROJECT MANAGEMENT TECHNOLOGIES IN ANY ORGANIZATION—IN ANY INDUSTRY.

ALGORITHMS AND THEORY OF COMPUTATION HANDBOOK - 2 VOLUME SET - MIKHAIL J. ATALLAH 2022-05-30

ALGORITHMS AND THEORY OF COMPUTATION HANDBOOK, SECOND EDITION IN A TWO VOLUME SET, PROVIDES AN UP-TO-DATE COMPENDIUM OF FUNDAMENTAL COMPUTER SCIENCE TOPICS AND TECHNIQUES. IT ALSO ILLUSTRATES HOW THE TOPICS AND TECHNIQUES COME TOGETHER TO DELIVER EFFICIENT SOLUTIONS TO IMPORTANT PRACTICAL PROBLEMS. NEW TO THE SECOND EDITION: ALONG WITH UPDATING AND REVISING MANY OF THE EXISTING CHAPTERS, THIS SECOND EDITION CONTAINS MORE THAN 20 NEW CHAPTERS. THIS EDITION NOW COVERS EXTERNAL MEMORY, PARAMETERIZED, SELF-STABILIZING, AND PRICING ALGORITHMS AS WELL AS THE THEORIES OF ALGORITHMIC CODING, PRIVACY AND ANONYMITY, DATABASES, COMPUTATIONAL GAMES, AND COMMUNICATION NETWORKS. IT ALSO DISCUSSES COMPUTATIONAL TOPOLOGY, COMPUTATIONAL NUMBER THEORY, NATURAL LANGUAGE PROCESSING, AND GRID COMPUTING AND EXPLORES APPLICATIONS IN INTENSITY-MODULATED RADIATION THERAPY, VOTING, DNA RESEARCH, SYSTEMS BIOLOGY, AND FINANCIAL DERIVATIVES. THIS BEST-SELLING HANDBOOK CONTINUES TO HELP COMPUTER PROFESSIONALS AND ENGINEERS FIND SIGNIFICANT INFORMATION ON VARIOUS ALGORITHMIC TOPICS. THE EXPERT CONTRIBUTORS CLEARLY DEFINE THE TERMINOLOGY, PRESENT BASIC RESULTS AND TECHNIQUES, AND OFFER A NUMBER OF CURRENT REFERENCES TO THE IN-DEPTH LITERATURE. THEY ALSO PROVIDE A GLIMPSE OF THE MAJOR RESEARCH ISSUES CONCERNING THE RELEVANT TOPICS

REAL-TIME RENDERING - TOMAS AKENINE-MILLER 2019-01-18

THOROUGHLY REVISED, THIS THIRD EDITION FOCUSES ON MODERN TECHNIQUES USED TO GENERATE SYNTHETIC THREE-DIMENSIONAL IMAGES IN A FRACTION OF A SECOND. WITH THE ADVENT OF PROGRAMMABLE SHADERS, A WIDE VARIETY OF NEW ALGORITHMS HAVE ARISEN AND EVOLVED OVER THE PAST FEW YEARS. THIS EDITION DISCUSSES CURRENT, PRACTICAL RENDERING METHODS USED IN GAMES AND OTHER APPLICATIONS. IT ALSO PRESENTS A SOLID THEORETICAL FRAMEWORK AND RELEVANT MATHEMATICS FOR THE FIELD OF INTERACTIVE COMPUTER GRAPHICS, ALL IN AN APPROACHABLE STYLE. THE AUTHORS HAVE MADE THE FIGURES USED IN THE BOOK AVAILABLE FOR DOWNLOAD FOR FAIR USE. DOWNLOAD FIGURES. REVIEWS RENDERING HAS BEEN A REQUIRED REFERENCE FOR PROFESSIONAL GRAPHICS PRACTITIONERS FOR NEARLY A DECADE. THIS LATEST EDITION IS AS RELEVANT AS EVER, COVERING TOPICS FROM ESSENTIAL MATHEMATICAL FOUNDATIONS TO ADVANCED TECHNIQUES USED BY TODAY'S CUTTING EDGE GAMES. -- GABE NEWELL, PRESIDENT, VALVE, MAY 2008 RENDERING ... HAS BEEN COMPLETELY REVISED AND REVAMPED FOR ITS UPDATED THIRD EDITION, WHICH FOCUSES ON MODERN TECHNIQUES USED TO GENERATE THREE-DIMENSIONAL IMAGES IN A FRACTION OF THE TIME OLD PROCESSES TOOK. FROM PRACTICAL RENDERING FOR GAMES TO MATH AND DETAILS FOR BETTER INTERACTIVE APPLICATIONS, IT'S NOT TO BE MISSED. -- THE BOOKWATCH, NOVEMBER 2008 YOU'LL GET BRILLIANTLY LUCID EXPLANATIONS OF CONCEPTS LIKE VERTEX MORPHING AND VARIANCE SHADOW MAPPING—AS WELL AS A NEW RESPECT FOR THE INCREDIBLE CRAFTSMANSHIP THAT GOES INTO TODAY'S PC GAMES. -- LOGAN DECKER, PC GAMER MAGAZINE, FEBRUARY 2009

COMPUTER ORGANIZATION AND DESIGN - DAVID A. PATTERSON 2011-10-26

"PRESENTS THE FUNDAMENTALS OF HARDWARE TECHNOLOGIES, ASSEMBLY LANGUAGE, COMPUTER ARITHMETIC, PIPELINING, MEMORY HIERARCHIES AND I/O"--

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

TCP/IP CLEARLY EXPLAINED - PETE LOSHIN 2003-01-04

WITH OVER 30,000 COPIES SOLD IN PREVIOUS EDITIONS, THIS FOURTH EDITION OF TCP/IP CLEARLY EXPLAINED STANDS OUT MORE THAN EVER. YOU STILL GET A PRACTICAL, THOROUGH EXPLORATION OF TCP/IP NETWORKING, PRESENTED IN PLAIN LANGUAGE, THAT WILL BENEFIT NEWCOMERS AND VETERANS ALIKE. THE COVERAGE HAS BEEN UPDATED, HOWEVER, TO REFLECT NEW AND CONTINUING TECHNOLOGICAL CHANGES, INCLUDING THE STREAM CONTROL TRANSMISSION PROTOCOL (SCTP), THE BLOCKS ARCHITECTURE FOR APPLICATION PROTOCOLS, AND THE TRANSPORT LAYER SECURITY PROTOCOL (TLS). THE IMPROVEMENTS GO FAR BEYOND THE UPDATED MATERIAL: THEY ALSO INCLUDE AN ALL-NEW APPROACH THAT EXAMINES THE TCP/IP PROTOCOL STACK FROM THE TOP DOWN, BEGINNING WITH THE APPLICATIONS YOU MAY ALREADY UNDERSTAND AND ONLY THEN MOVING DEEPER TO THE PROTOCOLS THAT MAKE THESE APPLICATIONS POSSIBLE. YOU ALSO GET A HELPFUL OVERVIEW OF THE "LIFE" OF AN INTERNET PACKET, COVERING ALL ITS MOVEMENTS FROM INCEPTION TO FINAL DISPOSITION. IF YOU'RE LOOKING FOR NOTHING MORE THAN INFORMATION ON THE PROTOCOLS COMPRISING TCP/IP NETWORKING, THERE ARE PLENTY OF BOOKS TO CHOOSE FROM. IF YOU WANT TO UNDERSTAND TCP/IP NETWORKING - WHY THE PROTOCOLS DO WHAT THEY DO, HOW THEY ALLOW APPLICATIONS TO BE EXTENDED, AND HOW CHANGES IN THE ENVIRONMENT NECESSITATE CHANGES TO THE PROTOCOLS—THERE'S ONLY THE ONE YOU HOLD IN YOUR HANDS. EXPLAINS CLEARLY AND HOLISTICALLY, BUT WITHOUT OVERSIMPLIFICATION—THE CORE PROTOCOLS THAT MAKE THE GLOBAL INTERNET POSSIBLE FULLY UPDATED TO COVER EMERGING TECHNOLOGIES THAT ARE CRITICAL TO THE PRESENT AND FUTURE OF THE INTERNET TAKES A TOP-DOWN APPROACH THAT BEGINS WITH THE FAMILIAR APPLICATION LAYER, THEN PROCEEDS TO THE PROTOCOLS UNDERLYING IT, DEVOTING ATTENTION TO EACH LAYER'S SPECIFICS DIVIDED INTO ORGANIZED, EASY-TO-FOLLOW SECTIONS ON THE CONCEPTS AND FUNDAMENTALS OF NETWORKING, INTERNET APPLICATIONS, TRANSPORT PROTOCOLS, THE INTERNET LAYER AND INFRASTRUCTURE, AND PRACTICAL INTERNETWORKING

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

TOP-DOWN NETWORK DESIGN - PRISCILLA OPPENHEIMER 2010-08-24

OBJECTIVES THE PURPOSE OF TOP-DOWN NETWORK DESIGN, THIRD EDITION, IS TO HELP YOU DESIGN NETWORKS THAT MEET A CUSTOMER'S BUSINESS AND TECHNICAL GOALS. WHETHER YOUR CUSTOMER IS ANOTHER DEPARTMENT WITHIN YOUR OWN COMPANY OR AN EXTERNAL CLIENT, THIS BOOK PROVIDES YOU WITH TESTED PROCESSES AND TOOLS TO HELP YOU UNDERSTAND TRAFFIC FLOW, PROTOCOL BEHAVIOR, AND INTERNETWORKING TECHNOLOGIES. AFTER COMPLETING THIS BOOK, YOU WILL BE EQUIPPED TO DESIGN ENTERPRISE NETWORKS THAT MEET A CUSTOMER'S REQUIREMENTS FOR FUNCTIONALITY, CAPACITY, PERFORMANCE, AVAILABILITY, SCALABILITY, AFFORDABILITY, SECURITY, AND MANAGEABILITY. AUDIENCE THIS BOOK IS FOR YOU IF YOU ARE AN INTERNETWORKING PROFESSIONAL RESPONSIBLE FOR DESIGNING AND MAINTAINING MEDIUM- TO LARGE-SIZED ENTERPRISE NETWORKS. IF YOU ARE A NETWORK ENGINEER, ARCHITECT, OR TECHNICIAN WHO HAS A WORKING KNOWLEDGE OF NETWORK PROTOCOLS AND TECHNOLOGIES, THIS BOOK WILL PROVIDE YOU WITH PRACTICAL ADVICE ON APPLYING YOUR KNOWLEDGE TO INTERNETWORK

DESIGN. THIS BOOK ALSO INCLUDES USEFUL INFORMATION FOR CONSULTANTS, SYSTEMS ENGINEERS, AND SALES ENGINEERS WHO DESIGN CORPORATE NETWORKS FOR CLIENTS. IN THE FAST-PACED PRESALES ENVIRONMENT OF MANY SYSTEMS ENGINEERS, IT OFTEN IS DIFFICULT TO SLOW DOWN AND INSIST ON A TOP-DOWN, STRUCTURED SYSTEMS ANALYSIS APPROACH. WHEREVER POSSIBLE, THIS BOOK INCLUDES SHORTCUTS AND ASSUMPTIONS THAT CAN BE MADE TO SPEED UP THE NETWORK DESIGN PROCESS. FINALLY, THIS BOOK IS USEFUL FOR UNDERGRADUATE AND GRADUATE STUDENTS IN COMPUTER SCIENCE AND INFORMATION TECHNOLOGY DISCIPLINES. STUDENTS WHO HAVE TAKEN ONE OR TWO COURSES IN NETWORKING THEORY WILL FIND TOP-DOWN NETWORK DESIGN, THIRD EDITION, AN APPROACHABLE INTRODUCTION TO THE ENGINEERING AND BUSINESS ISSUES RELATED TO DEVELOPING REAL-WORLD NETWORKS THAT SOLVE TYPICAL BUSINESS PROBLEMS. CHANGES FOR THE THIRD EDITION NETWORKS HAVE CHANGED IN MANY WAYS SINCE THE SECOND EDITION WAS PUBLISHED. MANY LEGACY TECHNOLOGIES HAVE DISAPPEARED AND ARE NO LONGER COVERED IN THE BOOK. IN ADDITION, MODERN NETWORKS HAVE BECOME MULTIFACETED, PROVIDING SUPPORT FOR NUMEROUS BANDWIDTH-HUNGRY APPLICATIONS AND A VARIETY OF DEVICES, RANGING FROM SMART PHONES TO TABLET PCs TO HIGH-END SERVERS. MODERN USERS EXPECT THE NETWORK TO BE AVAILABLE ALL THE TIME, FROM ANY DEVICE, AND TO LET THEM SECURELY COLLABORATE WITH COWORKERS, FRIENDS, AND FAMILY. NETWORKS TODAY SUPPORT VOICE, VIDEO, HIGH-DEFINITION TV, DESKTOP SHARING, VIRTUAL MEETINGS, ONLINE TRAINING, VIRTUAL REALITY, AND APPLICATIONS THAT WE CAN'T EVEN IMAGINE THAT BRILLIANT COLLEGE STUDENTS ARE BUSILY CREATING IN THEIR DORM ROOMS. AS APPLICATIONS RAPIDLY CHANGE AND PUT MORE DEMAND ON NETWORKS, THE NEED TO TEACH A SYSTEMATIC APPROACH TO NETWORK DESIGN IS EVEN MORE IMPORTANT THAN EVER. WITH THAT NEED IN MIND, THE THIRD EDITION HAS BEEN RETOOLED TO MAKE IT AN IDEAL TEXTBOOK FOR COLLEGE STUDENTS. THE THIRD EDITION FEATURES REVIEW QUESTIONS AND DESIGN SCENARIOS AT THE END OF EACH CHAPTER TO HELP STUDENTS LEARN TOP-DOWN NETWORK DESIGN. TO ADDRESS NEW DEMANDS ON MODERN NETWORKS, THE THIRD EDITION OF TOP-DOWN NETWORK DESIGN ALSO HAS UPDATED MATERIAL ON THE FOLLOWING TOPICS: ◊ NETWORK REDUNDANCY ◊ MODULARITY IN NETWORK DESIGNS ◊ THE CISCO SAFE SECURITY REFERENCE ARCHITECTURE ◊ THE RAPID SPANNING TREE PROTOCOL (RSTP) ◊ INTERNET PROTOCOL VERSION 6 (IPv6) ◊ ETHERNET SCALABILITY OPTIONS, INCLUDING 10-Gbps ETHERNET AND METRO ETHERNET ◊ NETWORK DESIGN AND MANAGEMENT TOOLS

MATHEMATICS FOR MACHINE LEARNING - MARC PETER DEISENROTH 2020-04-23

THE FUNDAMENTAL MATHEMATICAL TOOLS NEEDED TO UNDERSTAND MACHINE LEARNING INCLUDE LINEAR ALGEBRA, ANALYTIC GEOMETRY, MATRIX DECOMPOSITIONS, VECTOR CALCULUS, OPTIMIZATION, PROBABILITY AND STATISTICS. THESE TOPICS ARE TRADITIONALLY TAUGHT IN DISPARATE COURSES, MAKING IT HARD FOR DATA SCIENCE OR COMPUTER SCIENCE STUDENTS, OR PROFESSIONALS, TO EFFICIENTLY LEARN THE MATHEMATICS. THIS SELF-CONTAINED TEXTBOOK BRIDGES THE GAP BETWEEN MATHEMATICAL AND MACHINE LEARNING TEXTS, INTRODUCING THE MATHEMATICAL CONCEPTS WITH A MINIMUM OF PREREQUISITES. IT USES THESE CONCEPTS TO DERIVE FOUR CENTRAL MACHINE LEARNING METHODS: LINEAR REGRESSION, PRINCIPAL COMPONENT ANALYSIS, GAUSSIAN MIXTURE MODELS AND SUPPORT VECTOR MACHINES. FOR STUDENTS AND OTHERS WITH A MATHEMATICAL BACKGROUND, THESE DERIVATIONS PROVIDE A STARTING POINT TO MACHINE LEARNING TEXTS. FOR THOSE LEARNING THE MATHEMATICS FOR THE FIRST TIME, THE METHODS HELP BUILD INTUITION AND PRACTICAL EXPERIENCE WITH APPLYING MATHEMATICAL CONCEPTS. EVERY CHAPTER INCLUDES WORKED EXAMPLES AND EXERCISES TO TEST UNDERSTANDING. PROGRAMMING TUTORIALS ARE OFFERED ON THE BOOK'S WEB SITE.

AN INTRODUCTION TO ATM NETWORKS - HARRY G. PERROS 2001-11-28

ASYNCHRONOUS TRANSFER MODE (ATM) HAS REVOLUTIONIZED TELECOMMUNICATIONS, AND HAS BECOME AN INTEGRAL PART OF THE NETWORKING INFRASTRUCTURE. THIS INTRODUCTORY WELL-STRUCTURED TEXT ON ATM NETWORKS DESCRIBES THEIR DEVELOPMENT, ARCHITECTURE, CONGESTION CONTROL, DEPLOYMENT, AND SIGNALLING IN AN INTUITIVE, ACCESSIBLE WAY. IT COVERS EXTENSIVE BACKGROUND INFORMATION AND INCLUDES EXERCISES THAT SUPPORT THE EXPLANATIONS THROUGHOUT THE BOOK. THE NETWORKING EXPERT HARRY G. PERROS EXPLAINS ATM NETWORKS, INCLUDING SUCH HOT TOPICS AS: * ATM ADAPTATION LAYER 2 * QUALITY OF SERVICE * CONGESTION CONTROL * TAG SWITCHING AND MPLS (MULTI-PROTOCOL LABEL SWITCHING) * ADSL-BASED ACCESS NETWORKS * SIGNALLING * PNNI (PRIVATE NETWORK NODE INTERFACE) AN INTRODUCTION TO ATM NETWORKS IS A TEXTBOOK FOR GRADUATE STUDENTS AND UNDERGRADUATES IN ELECTRICAL ENGINEERING AND COMPUTER SCIENCE AS WELL AS A REFERENCE WORK FOR NETWORKING ENGINEERS. AN ONLINE SOLUTIONS MANUAL IS NOW AVAILABLE.

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

AUDIO OVER IP - STEVE CHURCH 2012-09-10

POSITION YOURSELF AT THE FOREFRONT OF AUDIO AND BROADCAST STUDIO TECHNOLOGY BY LEARNING AUDIO OVER IP. YOU WILL GAIN KNOWLEDGE OF IP NETWORK ENGINEERING AS IT APPLIES TO AUDIO APPLICATIONS, AND THEN PROGRESS TO A FULL UNDERSTANDING OF HOW EQUIPMENT BUILT ON ETHERNET AND INTERNET PROTOCOL ARE USED IN TODAY'S AUDIO PRODUCTION AND BROADCAST FACILITIES FOR THE TRANSPORTING, MIXING AND PROCESSING OF PRO-QUALITY AUDIO. A CHAPTER ON INTEGRATING VOICE-OVER IP TELEPHONY (VoIP) TO PRO-AUDIO AND BROADCAST FACILITIES IS ALSO INCLUDED. USING THE POPULAR LIVEWIRE TECHNOLOGY, YOU WILL LEARN HOW TO DESIGN, CONSTRUCT, CONFIGURE AND TROUBLESHOOT AN AoIP SYSTEM, INCLUDING HOW TO INTERFACE WITH PCs, VoIP TELEPHONE PBXs, IP CODECS, AND THE INTERNET. SEE HOW AoIP SYSTEMS WORK IN PRACTICE, AND DISCOVER THEIR DISTINCT ADVANTAGES OVER OLDER AUDIO INFRASTRUCTURES. WITH ITS COMPLETE INTRODUCTION TO AoIP TECHNOLOGY IN A FUN, HIGHLY READABLE STYLE, THIS BOOK IS ESSENTIAL FOR AUDIO PROFESSIONALS WHO WANT TO BROADEN THEIR KNOWLEDGE OF IP-BASED STUDIO SYSTEMS--OR FOR IT EXPERTS WHO NEED TO UNDERSTAND AoIP APPLICATIONS.

ALGORITHMS AND THEORY OF COMPUTATION HANDBOOK, SECOND EDITION, VOLUME 2 - MIKHAIL J. ATALLAH 2009-11-20

ALGORITHMS AND THEORY OF COMPUTATION HANDBOOK, SECOND EDITION: SPECIAL TOPICS AND TECHNIQUES PROVIDES AN UP-TO-DATE COMPENDIUM OF FUNDAMENTAL COMPUTER SCIENCE TOPICS AND TECHNIQUES. IT ALSO ILLUSTRATES HOW THE TOPICS AND TECHNIQUES COME TOGETHER TO DELIVER EFFICIENT SOLUTIONS TO IMPORTANT PRACTICAL PROBLEMS. ALONG WITH UPDATING AND REVISING MANY OF THE EXISTING CHAPTERS, THIS SECOND EDITION CONTAINS MORE THAN 15 NEW CHAPTERS. THIS EDITION NOW COVERS SELF-STABILIZING AND PRICING ALGORITHMS AS WELL AS THE THEORIES OF PRIVACY AND ANONYMITY, DATABASES, COMPUTATIONAL GAMES, AND COMMUNICATION NETWORKS. IT ALSO DISCUSSES COMPUTATIONAL TOPOLOGY, NATURAL LANGUAGE PROCESSING, AND GRID COMPUTING AND EXPLORES APPLICATIONS IN INTENSITY-MODULATED RADIATION THERAPY, VOTING, DNA RESEARCH, SYSTEMS BIOLOGY, AND FINANCIAL DERIVATIVES. THIS BEST-SELLING HANDBOOK CONTINUES TO HELP COMPUTER PROFESSIONALS AND ENGINEERS FIND SIGNIFICANT INFORMATION ON VARIOUS ALGORITHMIC TOPICS. THE EXPERT CONTRIBUTORS CLEARLY DEFINE THE TERMINOLOGY, PRESENT BASIC RESULTS AND TECHNIQUES, AND OFFER A NUMBER OF CURRENT REFERENCES TO THE IN-DEPTH LITERATURE. THEY ALSO PROVIDE A GLIMPSE OF THE MAJOR RESEARCH ISSUES CONCERNING THE RELEVANT TOPICS.

THE FOURTH INDUSTRIAL REVOLUTION - KLAUS SCHWAB 2017-01-03

WORLD-RENOWNED ECONOMIST KLAUS SCHWAB, FOUNDER AND EXECUTIVE CHAIRMAN OF THE WORLD ECONOMIC FORUM, EXPLAINS THAT WE HAVE AN OPPORTUNITY TO SHAPE THE FOURTH INDUSTRIAL REVOLUTION, WHICH WILL FUNDAMENTALLY ALTER HOW WE LIVE AND WORK. SCHWAB ARGUES THAT THIS REVOLUTION IS DIFFERENT IN SCALE, SCOPE AND COMPLEXITY FROM ANY THAT HAVE COME BEFORE. CHARACTERIZED BY A RANGE OF NEW TECHNOLOGIES THAT ARE FUSING THE PHYSICAL, DIGITAL AND BIOLOGICAL WORLDS, THE DEVELOPMENTS ARE AFFECTING ALL DISCIPLINES, ECONOMIES, INDUSTRIES AND GOVERNMENTS, AND EVEN CHALLENGING IDEAS ABOUT WHAT IT MEANS TO BE HUMAN. ARTIFICIAL INTELLIGENCE IS ALREADY ALL AROUND US, FROM SUPERCOMPUTERS, DRONES AND VIRTUAL ASSISTANTS TO 3D PRINTING, DNA SEQUENCING, SMART THERMOSTATS, WEARABLE SENSORS AND MICROCHIPS SMALLER THAN A GRAIN OF SAND. BUT THIS IS JUST THE BEGINNING: NANOMATERIALS 200 TIMES STRONGER THAN STEEL AND A MILLION TIMES THINNER THAN A STRAND OF HAIR AND THE FIRST TRANSPLANT OF A 3D PRINTED LIVER ARE ALREADY IN DEVELOPMENT. IMAGINE "SMART FACTORIES" IN WHICH GLOBAL SYSTEMS OF MANUFACTURING ARE COORDINATED VIRTUALLY, OR IMPLANTABLE MOBILE PHONES MADE OF BIOSYNTHETIC MATERIALS. THE FOURTH INDUSTRIAL REVOLUTION, SAYS SCHWAB, IS MORE SIGNIFICANT, AND ITS RAMIFICATIONS MORE PROFOUND, THAN IN ANY PRIOR PERIOD OF HUMAN HISTORY. HE OUTLINES THE KEY TECHNOLOGIES DRIVING THIS REVOLUTION AND DISCUSSES THE MAJOR IMPACTS EXPECTED ON GOVERNMENT, BUSINESS, CIVIL SOCIETY AND INDIVIDUALS. SCHWAB ALSO OFFERS BOLD IDEAS ON HOW TO HARNESS THESE CHANGES AND SHAPE A BETTER FUTURE—ONE IN WHICH TECHNOLOGY EMPOWERS PEOPLE RATHER THAN REPLACES THEM; PROGRESS SERVES SOCIETY RATHER THAN DISRUPTS IT; AND IN WHICH INNOVATORS RESPECT MORAL AND ETHICAL BOUNDARIES RATHER THAN CROSS THEM. WE ALL HAVE THE OPPORTUNITY TO CONTRIBUTE TO DEVELOPING NEW FRAMEWORKS THAT ADVANCE PROGRESS.

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.

THE ARCHITECTURE OF COMPUTER HARDWARE, SYSTEMS SOFTWARE, AND NETWORKING - Irv ENGLANDER 2021-04-06

THE ARCHITECTURE OF COMPUTER HARDWARE, SYSTEMS SOFTWARE AND NETWORKING IS DESIGNED HELP STUDENTS MAJORING IN INFORMATION TECHNOLOGY (IT) AND INFORMATION SYSTEMS (IS) UNDERSTAND THE STRUCTURE AND OPERATION OF COMPUTERS AND COMPUTER-BASED DEVICES. REQUIRING ONLY BASIC COMPUTER SKILLS, THIS ACCESSIBLE TEXTBOOK INTRODUCES THE BASIC PRINCIPLES OF SYSTEM ARCHITECTURE AND EXPLORES CURRENT TECHNOLOGICAL PRACTICES AND TRENDS USING CLEAR, EASY-TO-UNDERSTAND LANGUAGE. THROUGHOUT THE TEXT, NUMEROUS RELATABLE EXAMPLES, SUBJECT-SPECIFIC ILLUSTRATIONS, AND IN-DEPTH CASE STUDIES REINFORCE KEY LEARNING POINTS AND SHOW STUDENTS HOW IMPORTANT CONCEPTS ARE APPLIED IN THE REAL WORLD. THIS FULLY-UPDATED SIXTH EDITION FEATURES A WEALTH OF NEW AND REVISED CONTENT THAT REFLECTS TODAY'S TECHNOLOGICAL LANDSCAPE. ORGANIZED INTO FIVE PARTS, THE BOOK FIRST EXPLAINS THE ROLE OF THE COMPUTER IN INFORMATION SYSTEMS AND PROVIDES AN OVERVIEW OF THE COMPONENTS OF SUBSEQUENT SECTIONS. IT THEN EXPLORES THE OPERATION OF DATA IN THE COMPUTER, HARDWARE ARCHITECTURE AND OPERATIONAL CONCEPTS, THE BASICS OF COMPUTER NETWORKING, SYSTEM SOFTWARE AND OPERATING SYSTEMS, AND VARIOUS INTERCONNECTED SYSTEMS AND COMPONENTS. STUDENTS ARE INTRODUCED TO THE MATERIAL USING IDEAS ALREADY FAMILIAR TO THEM, ALLOWING THEM TO GRADUALLY BUILD UPON WHAT THEY HAVE LEARNED WITHOUT BEING OVERWHELMED AND DEVELOP A DEEPER KNOWLEDGE OF COMPUTER ARCHITECTURE.

- JAMES

F. KUROSE 2005

COMPUTER NETWORKS - ANDREW S. TANENBAUM 2003

DETAILS DESCRIPTIONS OF THE PRINCIPLES ASSOCIATED WITH EACH LAYER AND PRESENTS MANY EXAMPLES DRAWN THE INTERNET AND WIRELESS NETWORKS.