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THE NEW AMERICAN ENCYCLOPAEDIA - 1872

THE BUILDING NEWS AND ENGINEERING JOURNAL - 1909

APPLIED SPEECH AND AUDIO PROCESSING - IAN McLOUGHLIN 2009-02-19

THIS HANDS-ON, ONE-STOP RESOURCE DESCRIBES THE KEY TECHNIQUES OF SPEECH AND AUDIO PROCESSING ILLUSTRATED WITH EXTENSIVE MATLAB EXAMPLES.

ENGLISH MECHANIC AND MIRROR OF SCIENCE AND ART - 1920

MACHINERY - 1918

THE UNITED STATES CATALOG; BOOKS IN PRINT JANUARY 1, 1912 - MARION EFFIE POTTER 1921

CHEMISTRY OF FOSSIL FUELS AND BIOFUELS - HAROLD SCHOBERT 2013-01-17

DISCUSSES THE FORMATION, COMPOSITION, PROPERTIES AND PROCESSING OF THE PRINCIPAL FOSSIL AND BIOFUELS, IDEAL FOR GRADUATE STUDENTS AND PROFESSIONALS.

HEAT TRANSFER - GREGORY NELLIS 2009

THIS TEXTBOOK PROVIDES ENGINEERS WITH THE CAPABILITY, TOOLS AND CONFIDENCE TO SOLVE REAL-WORLD HEAT TRANSFER PROBLEMS.

INTRODUCTION TO SOFTWARE TESTING - PAUL AMMANN 2008-01-28

EXTENSIVELY CLASS-TESTED, THIS TEXTBOOK TAKES AN INNOVATIVE APPROACH TO SOFTWARE TESTING: IT DEFINES TESTING AS THE PROCESS OF APPLYING A FEW WELL-DEFINED, GENERAL-PURPOSE TEST CRITERIA TO A STRUCTURE OR MODEL OF THE SOFTWARE. IT INCORPORATES THE LATEST INNOVATIONS IN TESTING, INCLUDING TECHNIQUES TO TEST MODERN TYPES OF SOFTWARE SUCH AS OO, WEB APPLICATIONS, AND EMBEDDED SOFTWARE. THE BOOK CONTAINS NUMEROUS EXAMPLES THROUGHOUT. AN INSTRUCTOR'S SOLUTION MANUAL, POWERPOINT SLIDES, SAMPLE SYLLABI, ADDITIONAL EXAMPLES AND UPDATES, TESTING TOOLS FOR STUDENTS, AND EXAMPLE SOFTWARE PROGRAMS IN JAVA ARE AVAILABLE ON AN EXTENSIVE WEBSITE.

THE NEW AMERICAN CYCLOPAEDIA - GEORGE RIPLEY 1858

SCHOOL SCIENCE - 1903

MACHINERY - LESTER GRAY FRENCH 1918

SECURITY ENGINEERING - ROSS ANDERSON 2020-12-22

NOW THAT THERE'S SOFTWARE IN EVERYTHING, HOW CAN YOU MAKE ANYTHING SECURE? UNDERSTAND HOW TO ENGINEER DEPENDABLE SYSTEMS WITH THIS NEWLY UPDATED CLASSIC IN **SECURITY ENGINEERING: A GUIDE TO BUILDING DEPENDABLE DISTRIBUTED SYSTEMS**, THIRD EDITION **CAMBRIDGE UNIVERSITY PROFESSOR ROSS ANDERSON** UPDATES HIS CLASSIC TEXTBOOK AND TEACHES READERS HOW TO DESIGN, IMPLEMENT, AND TEST SYSTEMS TO WITHSTAND BOTH ERROR AND ATTACK. THIS BOOK BECAME

A BEST-SELLER IN 2001 AND HELPED ESTABLISH THE DISCIPLINE OF SECURITY ENGINEERING. BY THE SECOND EDITION IN 2008, UNDERGROUND DARK MARKETS HAD LET THE BAD GUYS SPECIALIZE AND SCALE UP; ATTACKS WERE INCREASINGLY ON USERS RATHER THAN ON TECHNOLOGY. THE BOOK REPEATED ITS SUCCESS BY SHOWING HOW SECURITY ENGINEERS CAN FOCUS ON USABILITY. NOW THE THIRD EDITION BRINGS IT UP TO DATE FOR 2020. AS PEOPLE NOW GO ONLINE FROM PHONES MORE THAN LAPTOPS, MOST SERVERS ARE IN THE CLOUD, ONLINE ADVERTISING DRIVES THE INTERNET AND SOCIAL NETWORKS HAVE TAKEN OVER MUCH HUMAN INTERACTION, MANY PATTERNS OF CRIME AND ABUSE ARE THE SAME, BUT THE METHODS HAVE EVOLVED. ROSS ANDERSON EXPLORES WHAT SECURITY ENGINEERING MEANS IN 2020, INCLUDING: HOW THE BASIC ELEMENTS OF CRYPTOGRAPHY, PROTOCOLS, AND ACCESS CONTROL TRANSLATE TO THE NEW WORLD OF PHONES, CLOUD SERVICES, SOCIAL MEDIA AND THE INTERNET OF THINGS WHO THE ATTACKERS ARE – FROM NATION STATES AND BUSINESS COMPETITORS THROUGH CRIMINAL GANGS TO STALKERS AND PLAYGROUND BULLIES WHAT THEY DO – FROM PHISHING AND CARDING THROUGH SIM SWAPPING AND SOFTWARE EXPLOITS TO DDoS AND FAKE NEWS SECURITY PSYCHOLOGY, FROM PRIVACY THROUGH EASE-OF-USE TO DECEPTION THE ECONOMICS OF SECURITY AND DEPENDABILITY – WHY COMPANIES BUILD VULNERABLE SYSTEMS AND GOVERNMENTS LOOK THE OTHER WAY HOW DOZENS OF INDUSTRIES WENT ONLINE – WELL OR BADLY HOW TO MANAGE SECURITY AND SAFETY ENGINEERING IN A WORLD OF AGILE DEVELOPMENT – FROM RELIABILITY ENGINEERING TO DevSecOps THE THIRD EDITION OF SECURITY ENGINEERING ENDS WITH A GRAND CHALLENGE: SUSTAINABLE SECURITY. AS WE BUILD EVER MORE SOFTWARE AND CONNECTIVITY INTO SAFETY-CRITICAL DURABLE GOODS LIKE CARS AND MEDICAL DEVICES, HOW DO WE DESIGN SYSTEMS WE CAN MAINTAIN AND DEFEND FOR DECADES? OR WILL EVERYTHING IN THE WORLD NEED MONTHLY SOFTWARE UPGRADES, AND BECOME UNSAFE ONCE THEY STOP?
PAPERBOUND BOOKS IN PRINT - BOWKER EDITORIAL STAFF 1984

CATALOG OF COPYRIGHT ENTRIES. THIRD SERIES - LIBRARY OF CONGRESS. COPYRIGHT OFFICE 1962
INCLUDES PART 1, NUMBER 2: BOOKS AND PAMPHLETS, INCLUDING SERIALS AND CONTRIBUTIONS TO PERIODICALS (JULY - DECEMBER)
ATHENAEUM - JAMES SILK BUCKINGHAM 1871

LITERARY GAZETTE AND JOURNAL OF BELLES LETTRES, ARTS, SCIENCES, &c - 1844

JOURNAL OF EDUCATION - 1883

MATHEMATICAL METHODS IN ENGINEERING - JOSEPH M. POWERS 2015-01-26
DESIGNED FOR ENGINEERING GRADUATE STUDENTS, THIS BOOK CONNECTS BASIC MATHEMATICS TO A VARIETY OF METHODS USED IN ENGINEERING PROBLEMS.

PHYSICAL CHEMISTRY FOR ENGINEERING AND APPLIED SCIENCES - FRANK R. FOULKES 2012-09-12
PHYSICAL CHEMISTRY FOR ENGINEERING AND APPLIED SCIENCES IS THE PRODUCT OF OVER 30 YEARS OF TEACHING FIRST-YEAR PHYSICAL CHEMISTRY AS PART OF THE FACULTY OF APPLIED SCIENCE AND ENGINEERING AT THE UNIVERSITY OF TORONTO. DESIGNED TO BE AS RIGOROUS AS COMPATIBLE WITH A FIRST-YEAR STUDENT'S ABILITY TO UNDERSTAND, THE TEXT PRESENTS DETAILED STEP-BY-STEP

THE ACADEMY AND LITERATURE - 1874

LITERARY GAZETTE AND JOURNAL OF BELLES LETTRES, ARTS, SCIENCES, ETC - WILLIAM JERDAN 1884

A STUDENT'S GUIDE TO CODING AND INFORMATION THEORY - STEFAN M. MOSER 2012-01-26
THIS IS A CONCISE, EASY-TO-READ GUIDE, INTRODUCING BEGINNERS TO CODING THEORY AND INFORMATION THEORY.
YEAR BOOK ... - INSTITUTE OF RADIO ENGINEERS 1948

THE LITERARY GAZETTE AND JOURNAL OF THE BELLES LETTRES, ARTS, SCIENCES, &c - 1844

THE SPECTATOR - 1887
A WEEKLY REVIEW OF POLITICS, LITERATURE, THEOLOGY, AND ART.
BOOKS IN PRINT SUPPLEMENT - 1988

THE ATHENÆUM 1841

SCIENTIFIC AMERICAN - 1898

RANDOM PROCESSES FOR ENGINEERS - BRUCE HAJEK 2015-03-12

THIS ENGAGING INTRODUCTION TO RANDOM PROCESSES PROVIDES STUDENTS WITH THE CRITICAL TOOLS NEEDED TO DESIGN AND EVALUATE ENGINEERING SYSTEMS THAT MUST OPERATE RELIABLY IN UNCERTAIN ENVIRONMENTS. A BRIEF REVIEW OF PROBABILITY THEORY AND REAL ANALYSIS OF DETERMINISTIC FUNCTIONS SETS THE STAGE FOR UNDERSTANDING RANDOM PROCESSES, WHILST THE UNDERLYING MEASURE THEORETIC NOTIONS ARE EXPLAINED IN AN INTUITIVE, STRAIGHTFORWARD STYLE. STUDENTS WILL LEARN TO MANAGE THE COMPLEXITY OF RANDOMNESS THROUGH THE USE OF SIMPLE CLASSES OF RANDOM PROCESSES, STATISTICAL MEANS AND CORRELATIONS, ASYMPTOTIC ANALYSIS, SAMPLING, AND EFFECTIVE ALGORITHMS. KEY TOPICS COVERED INCLUDE: • CALCULUS OF RANDOM PROCESSES IN LINEAR SYSTEMS • KALMAN AND WIENER FILTERING • HIDDEN MARKOV MODELS FOR STATISTICAL INFERENCE • THE ESTIMATION MAXIMIZATION (EM) ALGORITHM • AN INTRODUCTION TO MARTINGALES AND CONCENTRATION INEQUALITIES. UNDERSTANDING OF THE KEY CONCEPTS IS REINFORCED THROUGH OVER 100 WORKED EXAMPLES AND 300 THOROUGHLY TESTED HOMEWORK PROBLEMS (HALF OF WHICH ARE SOLVED IN DETAIL AT THE END OF THE BOOK).

PRINCETON ALUMNI WEEKLY - 1957

APPLIED COMPUTATIONAL AERODYNAMICS - RUSSELL M. CUMMINGS 2015-04-27

THIS BOOK COVERS THE APPLICATION OF COMPUTATIONAL FLUID DYNAMICS FROM LOW-SPEED TO HIGH-SPEED FLOWS, ESPECIALLY FOR USE IN AEROSPACE APPLICATIONS.

ENGLISH MECHANICS AND THE WORLD OF SCIENCE - 1918

QUANTUM OPTICS - GIRISH S. AGARWAL 2013

IDEAL FOR GRADUATE COURSES ON QUANTUM OPTICS, THIS TEXTBOOK PROVIDES AN UP-TO-DATE ACCOUNT OF THE BASIC PRINCIPLES AND APPLICATIONS. IT FEATURES END-OF-CHAPTER EXERCISES WITH SOLUTIONS AVAILABLE FOR INSTRUCTORS AT WWW.CAMBRIDGE.ORG/9781107006409. IT IS INVALUABLE TO BOTH GRADUATE STUDENTS AND RESEARCHERS IN PHYSICS AND PHOTONICS, QUANTUM INFORMATION SCIENCE AND QUANTUM COMMUNICATIONS.

PERSPECTIVE, PROJECTIONS AND DESIGN - MARIO CARPO 2013-04-15

THE ESSAYS SELECTED FOR THIS BOOK, PRESENTED IN CHRONOLOGICAL ORDER, DISCUSS VARIOUS ASPECTS OF IMAGE-MAKING TECHNOLOGIES, GEOMETRICAL KNOWLEDGE AND TOOLS FOR ARCHITECTURAL DESIGN, FOCUSING IN PARTICULAR ON TWO HISTORICAL PERIODS MARKED BY COMPARABLE PATTERNS OF TECHNOLOGICAL AND CULTURAL CHANGE. THE FIRST IS THE RENAISSANCE; CHARACTERIZED BY THE REDISCOVERY OF LINEAR PERSPECTIVES AND THE SIMULTANEOUS RISE OF NEW FORMATS FOR ARCHITECTURAL DRAWING AND DESIGN ON PAPER; THE SECOND, THE CONTEMPORARY RISE OF DIGITAL TECHNOLOGIES AND THE SIMULTANEOUS RISE OF VIRTUAL REALITY AND COMPUTER-BASED DESIGN AND MANUFACTURING. MANY OF THE CONTRIBUTING AUTHORS EXPLORE THE PARALLEL BETWEEN THE INVENTION OF THE PERSPECTIVAL PARADIGM IN EARLY-MODERN EUROPE AND THE RECENT DEVELOPMENT OF DIGITIZED VIRTUAL REALITY. THIS ISSUE IN TURN BEARS ON THE SPECIFIC PURPOSES OF ARCHITECTURAL DESIGN, WHERE VARIOUS REPRESENTATIONAL TOOLS AND DEVICES ARE USED TO VISUALIZE BI-DIMENSIONAL ASPECTS OF OBJECTS THAT MUST BE MEASURED AND EVENTUALLY BUILT IN THREE-DIMENSIONAL SPACE.

THE ATHENAEUM - 1841

THE LITERARY GAZETTE AND JOURNAL OF BELLES LETTRES, ARTS, SCIENCES - 1834

TECHNICAL BOOK REVIEW - 1965

THE UX BOOK - REX HARTSON 2018-11-02

THE DISCIPLINE OF USER EXPERIENCE (UX) DESIGN HAS MATURED INTO A CONFIDENT PRACTICE AND THIS EDITION REFLECTS, AND IN SOME AREAS ACCELERATES, THAT EVOLUTION. TECHNICALLY THIS IS THE SECOND EDITION OF THE UX BOOK, BUT SO MUCH OF IT IS NEW, IT IS MORE LIKE A SEQUEL. ONE OF THE MAJOR POSITIVE TRENDS IN UX IS THE CONTINUED EMPHASIS ON DESIGN—A KIND OF DESIGN THAT HIGHLIGHTS THE DESIGNER'S CREATIVE SKILLS AND INSIGHTS AND EMBODIES A SYNTHESIS OF TECHNOLOGY WITH USABILITY, USEFULNESS, AESTHETICS, AND MEANINGFULNESS TO THE USER. IN THIS EDITION A NEW CONCEPTUAL TOP-DOWN DESIGN FRAMEWORK IS INTRODUCED TO HELP READERS WITH THIS EVOLUTION. THIS ENTIRE EDITION IS ORIENTED TOWARD AN AGILE UX LIFECYCLE PROCESS, EXPLAINED IN THE FUNNEL MODEL OF AGILE UX, AS A BETTER MATCH TO THE NOW DE FACTO STANDARD AGILE APPROACH TO SOFTWARE ENGINEERING. TO REFLECT THESE TRENDS, EVEN THE SUBTITLE OF THE BOOK IS CHANGED TO "AGILE UX DESIGN FOR A QUALITY USER EXPERIENCE". DESIGNED AS A HOW-TO-DO-IT HANDBOOK AND FIELD GUIDE FOR UX PROFESSIONALS AND A TEXTBOOK FOR ASPIRING STUDENTS, THE BOOK IS ACCOMPANIED BY IN-CLASS EXERCISES AND TEAM PROJECTS. THE APPROACH IS PRACTICAL RATHER THAN FORMAL OR THEORETICAL. THE PRIMARY GOAL IS STILL TO IMBUE AN UNDERSTANDING OF WHAT A GOOD USER EXPERIENCE IS AND HOW TO ACHIEVE IT. TO BETTER SERVE THIS, PROCESSES, METHODS, AND TECHNIQUES ARE INTRODUCED EARLY TO ESTABLISH PROCESS-RELATED CONCEPTS AS CONTEXT FOR DISCUSSION IN LATER CHAPTERS. WINNER OF A 2020 TEXTBOOK EXCELLENCE AWARD (COLLEGE) (TEXTY) FROM THE TEXTBOOK AND ACADEMIC AUTHORS ASSOCIATION A COMPREHENSIVE TEXTBOOK FOR UX/HCI/INTERACTION DESIGN STUDENTS READYMADE FOR THE CLASSROOM, COMPLETE WITH

INSTRUCTORS' MANUAL, DEDICATED WEB SITE, SAMPLE SYLLABUS, EXAMPLES, EXERCISES, AND LECTURE SLIDES FEATURES HCI THEORY, PROCESS, PRACTICE, AND A HOST OF REAL WORLD STORIES AND CONTRIBUTIONS FROM INDUSTRY LUMINARIES TO PREPARE STUDENTS FOR WORKING IN THE FIELD THE ONLY HCI TEXTBOOK TO COVER AGILE METHODOLOGY, DESIGN APPROACHES, AND A FULL, MODERN SUITE OF CLASSROOM MATERIAL (STEMMING FROM TRIED AND TESTED CLASSROOM USE BY THE AUTHORS)

KNOWLEDGE ENGINEERING - GHEORGHE TECUCI 2016-09-08

THIS BOOK PRESENTS A SIGNIFICANT ADVANCEMENT IN THE THEORY AND PRACTICE OF KNOWLEDGE ENGINEERING, THE DISCIPLINE CONCERNED WITH THE DEVELOPMENT OF INTELLIGENT AGENTS THAT USE KNOWLEDGE AND REASONING TO PERFORM PROBLEM SOLVING AND DECISION-MAKING TASKS. IT COVERS THE MAIN STAGES IN THE DEVELOPMENT OF A KNOWLEDGE-BASED AGENT: UNDERSTANDING THE APPLICATION DOMAIN, MODELING PROBLEM SOLVING IN THAT DOMAIN, DEVELOPING THE ONTOLOGY, LEARNING THE REASONING RULES, AND TESTING THE AGENT. THE BOOK FOCUSES ON A SPECIAL CLASS OF AGENTS: COGNITIVE ASSISTANTS FOR EVIDENCE-BASED REASONING THAT LEARN COMPLEX PROBLEM-SOLVING EXPERTISE DIRECTLY FROM HUMAN EXPERTS, SUPPORT EXPERTS, AND NONEXPERTS IN PROBLEM SOLVING AND DECISION MAKING, AND TEACH THEIR PROBLEM-SOLVING EXPERTISE TO STUDENTS. A POWERFUL LEARNING AGENT SHELL, DISCIPLE-EBR, IS INCLUDED WITH THE BOOK, ENABLING STUDENTS, PRACTITIONERS, AND RESEARCHERS TO DEVELOP COGNITIVE ASSISTANTS RAPIDLY IN A WIDE VARIETY OF DOMAINS THAT REQUIRE EVIDENCE-BASED REASONING, INCLUDING INTELLIGENCE ANALYSIS, CYBERSECURITY, LAW, FORENSICS, MEDICINE, AND EDUCATION.