

Digital Communication Lab Manual 2010

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CONTEMPORARY COMMUNICATION SYSTEMS USING MATLAB AND SIMULINK JOHN G. PROAKIS 2004 FEATURING A VARIETY OF APPLICATIONS THAT MOTIVATE STUDENTS, THIS BOOK SERVES AS A COMPANION OR SUPPLEMENT TO ANY OF THE COMPREHENSIVE TEXTBOOKS IN COMMUNICATION SYSTEMS. THE BOOK PROVIDES A VARIETY OF EXERCISES THAT MAY BE SOLVED ON THE COMPUTER USING MATLAB, (THE AUTHORS ASSUME THAT THE STUDENT IS FAMILIAR WITH THE FUNDAMENTALS OF MATLAB). BY DESIGN, THE TREATMENT OF THE VARIOUS TOPICS IS BRIEF. THE AUTHORS PROVIDE THE MOTIVATION AND A SHORT INTRODUCTION TO EACH TOPIC, ESTABLISH THE NECESSARY NOTATION, AND THEN ILLUSTRATE THE BASIC CONCEPTS BY MEANS OF AN EXAMPLE.

THE DETERMINATION OF IONIZATION CONSTANTS ADRIEN ALBERT 1984-01-05 THIS PRACTICAL MANUAL IS DEvised FOR ORGANIC CHEMISTS AND BIOCHEMISTS WHO, IN THE COURSE OF THEIR RESEARCHES AND WITHOUT PREVIOUS EXPERIENCE, NEED TO DETERMINE AN IONIZATION CONSTANT. WE ARE GRATIFIED THAT EARLIER EDITIONS WERE MUCH USED FOR THIS PURPOSE AND THAT THEY ALSO PROVED ADEQUATE FOR THE IN SERVICE TRAINING OF TECHNICIANS AND TECHNICAL OFFICERS TO PROVIDE A DEPARTMENT WITH A PK SERVICE. THE FEATURES OF PREVIOUS EDITIONS THAT GAVE THIS WIDE APPEAL HAVE BEEN RETAINED, BUT THE SUBJECT MATTER HAS BEEN REVISED, EXTENDED, AND BROUGHT UP TO DATE. WE PRESENT TWO NEW CHAPTERS, ONE OF WHICH DESCRIBES THE DETERMINATION OF THE STABILITY CONSTANTS OF THE COMPLEXES WHICH ORGANIC LIGANDS FORM WITH METAL CATIONS. THE OTHER DESCRIBES THE USE OF MORE RECENTLY INTRODUCED TECHNIQUES FOR THE DETERMINATION OF IONIZATION CONSTANTS, SUCH AS RAMAN AND NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY, THERMOMETRIC TITRATIONS, AND PAPER ELECTROPHORESIS. CHAPTER 1 GIVES ENHANCED HELP IN CHOOSING BETWEEN ALTERNATIVE METHODS FOR DETERMINING IONIZATION CONSTANTS. THE TWO CHAPTERS ON POTENTIOMETRIC METHODS HAVE BEEN EXTENSIVELY REVISED IN THE LIGHT OF NEWER UNDERSTANDING OF ELECTRODE PROCESSES AND OF THE PRESENT STATE OF THE ART IN INSTRUMENTATION.

DIGITAL COMMUNICATIONS SIMON HAYKIN 1988-03-08 OFFERING COMPREHENSIVE, UP-TO-DATE COVERAGE ON THE PRINCIPLES OF DIGITAL COMMUNICATIONS, THIS BOOK

FOCUSES ON BASIC ISSUES, RELATING THEORY TO PRACTICE WHEREVER POSSIBLE. TOPICS COVERED INCLUDE THE SAMPLING PROCESS, DIGITAL MODULATION TECHNIQUES AND ERROR-CONTROL CODING.

AUTHENTICATION IN INSECURE ENVIRONMENTS SEBASTIAN PAPE 2014-09-02 SEBASTIAN PAPE DISCUSSES TWO DIFFERENT SCENARIOS FOR AUTHENTICATION. ON THE ONE HAND, USERS CANNOT TRUST THEIR DEVICES AND NEVERTHELESS WANT TO BE ABLE TO DO SECURE AUTHENTICATION. ON THE OTHER HAND, USERS MAY NOT WANT TO BE TRACKED WHILE THEIR SERVICE PROVIDER DOES NOT WANT THEM TO SHARE THEIR CREDENTIALS. MANY USERS MAY NOT BE ABLE TO DETERMINE WHETHER THEIR DEVICE IS TRUSTWORTHY, I.E. IT MIGHT CONTAIN MALWARE. ONE SOLUTION IS TO USE VISUAL CRYPTOGRAPHY FOR AUTHENTICATION. THE AUTHOR GENERALIZES THIS CONCEPT TO HUMAN DECIPHERABLE ENCRYPTION SCHEMES AND ESTABLISHES A RELATIONSHIP TO CAPTCHAS. HE PROPOSES A NEW SECURITY MODEL AND PRESENTS THE FIRST VISUAL ENCRYPTION SCHEME WHICH MAKES USE OF NOISE TO COMPLICATE THE ADVERSARY'S TASK. TO PREVENT SERVICE PROVIDERS FROM KEEPING THEIR USERS UNDER SURVEILLANCE, ANONYMOUS CREDENTIALS MAY BE USED. HOWEVER, SOMETIMES IT IS DESIRABLE TO PREVENT THE USERS FROM SHARING THEIR CREDENTIALS. THE AUTHOR COMPARES EXISTING APPROACHES BASED ON NON-TRANSFERABLE ANONYMOUS CREDENTIALS AND PROPOSES AN APPROACH WHICH COMBINES BIOMETRICS AND SMARTCARDS.

MIXED-SIGNAL EMBEDDED SYSTEMS DESIGN EDWARD H. CURRIE 2021-11-27 THIS TEXTBOOK INTRODUCES READERS TO MIXED-SIGNAL, EMBEDDED DESIGN AND PROVIDES, IN ONE PLACE, MUCH OF THE BASIC INFORMATION TO ENGAGE IN SERIOUS MIXED-SIGNAL DESIGN USING CYPRESS' PSoC. DESIGNING WITH PSoC TECHNOLOGY CAN BE A CHALLENGING UNDERTAKING, ESPECIALLY FOR THE NOVICE. THIS BOOK BRINGS TOGETHER A WEALTH OF INFORMATION GATHERED FROM A LARGE NUMBER OF SOURCES AND COMBINES IT WITH THE FUNDAMENTALS OF MIXED-SIGNAL, EMBEDDED DESIGN, MAKING THE PSoC LEARNING CURVE ASCENT MUCH LESS DIFFICULT. THE BOOK COVERS, SENSORS, DIGITAL LOGIC, ANALOG COMPONENTS, PSoC PERIPHERALS AND BUILDING BLOCKS IN CONSIDERABLE DETAIL, AND EACH CHAPTER INCLUDES ILLUSTRATIVE EXAMPLES, EXERCISES, AND AN

EXTENSIVE BIBLIOGRAPHY.

INTERNET ACCESSIBLE REMOTE LABORATORIES: SCALABLE E-LEARNING TOOLS FOR ENGINEERING AND SCIENCE DISCIPLINES

AZAD, ABUL K.M. 2011-11-30 "THIS BOOK PRESENTS CURRENT DEVELOPMENTS IN THE MULTIDISCIPLINARY CREATION OF INTERNET ACCESSIBLE REMOTE LABORATORIES, OFFERING PERSPECTIVES ON TEACHING WITH ONLINE LABORATORIES, PEDAGOGICAL DESIGN, SYSTEM ARCHITECTURES FOR REMOTE LABORATORIES, FUTURE TRENDS, AND POLICY ISSUES IN THE USE OF REMOTE LABORATORIES"--PROVIDED BY PUBLISHER.

LABORATORY MANUAL OF GENERAL ECOLOGY GEORGE W. COX 1985

SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS 1991

YEARBOOK OF INTERNATIONAL ORGANIZATIONS

2013-2014 UNION OF INTERNATIONAL ASSOCIATIONS 2013-06-21 VOLUME 1 (A AND B) OF THE YEARBOOK OF INTERNATIONAL ORGANIZATIONS COVERS INTERNATIONAL ORGANIZATIONS THROUGHOUT THE WORLD, COMPRISING THEIR AIMS, ACTIVITIES AND EVENTS

BIM HANDBOOK RAFAEL SACKS 2018-08-14 DISCOVER BIM: A BETTER WAY TO BUILD BETTER BUILDINGS BUILDING INFORMATION MODELING (BIM) OFFERS A NOVEL APPROACH TO DESIGN, CONSTRUCTION, AND FACILITY MANAGEMENT IN WHICH A DIGITAL REPRESENTATION OF THE BUILDING PRODUCT AND PROCESS IS USED TO FACILITATE THE EXCHANGE AND INTEROPERABILITY OF INFORMATION IN DIGITAL FORMAT. BIM IS BEGINNING TO CHANGE THE WAY BUILDINGS LOOK, THE WAY THEY FUNCTION, AND THE WAYS IN WHICH THEY ARE DESIGNED AND BUILT. THE BIM HANDBOOK, THIRD EDITION PROVIDES AN IN-DEPTH UNDERSTANDING OF BIM TECHNOLOGIES, THE BUSINESS AND ORGANIZATIONAL ISSUES ASSOCIATED WITH ITS IMPLEMENTATION, AND THE PROFOUND ADVANTAGES THAT EFFECTIVE USE OF BIM CAN PROVIDE TO ALL MEMBERS OF A PROJECT TEAM. UPDATES TO THIS EDITION INCLUDE:

INFORMATION ON THE WAYS IN WHICH PROFESSIONALS SHOULD USE BIM TO GAIN MAXIMUM VALUE NEW TOPICS SUCH AS COLLABORATIVE WORKING, NATIONAL AND MAJOR CONSTRUCTION CLIENTS, BIM STANDARDS AND GUIDES A DISCUSSION ON HOW VARIOUS PROFESSIONAL ROLES HAVE EXPANDED THROUGH THE WIDESPREAD USE AND THE NEW AVENUES OF BIM PRACTICES AND SERVICES A WEALTH OF NEW CASE STUDIES THAT CLEARLY ILLUSTRATE EXACTLY HOW BIM IS APPLIED IN A WIDE VARIETY OF CONDITIONS PAINTING A COLORFUL AND THOROUGH PICTURE OF THE STATE OF THE ART IN BUILDING INFORMATION MODELING, THE BIM HANDBOOK, THIRD EDITION GUIDES READERS TO SUCCESSFUL IMPLEMENTATIONS, HELPING THEM TO AVOID NEEDLESS FRUSTRATION AND COSTS AND TAKE FULL ADVANTAGE OF THIS PARADIGM-SHIFTING APPROACH TO CONSTRUCT BETTER BUILDINGS THAT CONSUME FEWER MATERIALS AND REQUIRE LESS TIME, LABOR, AND CAPITAL RESOURCES.

ELECTRONICS NOW 1997-07

LEVERAGING DEVELOPING ECONOMIES WITH THE USE OF INFORMATION TECHNOLOGY: TRENDS AND TOOLS USORO, ABEL 2012-05-31 NO ASPECT OF BUSINESS, PUBLIC, OR PRIVATE LIVES IN DEVELOPED ECONOMIES CAN BE DISCUSSED TODAY WITHOUT ACKNOWLEDGING THE ROLE OF INFORMATION AND COMMUNICATION TECHNOLOGIES (ICT). A SHORTAGE OF

STUDIES STILL EXISTS, HOWEVER, ON HOW ICTS CAN HELP DEVELOPING ECONOMIES. LEVERAGING DEVELOPING ECONOMIES WITH THE USE OF INFORMATION TECHNOLOGY: TRENDS AND TOOLS MOVES TOWARD FILLING THE GAP IN RESEARCH ON ICT AND DEVELOPING NATIONS, BRINGING THESE COUNTRIES ONE STEP CLOSER TO ADVANCEMENT THROUGH TECHNOLOGY. THIS ESSENTIAL PUBLICATION WILL BRING TOGETHER IDEAS, VIEWS, AND PERSPECTIVES HELPFUL TO GOVERNMENT OFFICIALS, BUSINESS PROFESSIONALS, AND OTHER INDIVIDUALS WORLDWIDE AS THEY CONSIDER THE USE OF ICT FOR SOCIO-ECONOMIC PROGRESS IN THE DEVELOPING WORLD.

RADIO RECEIVERS FOR SYSTEMS OF FIXED AND MOBILE

COMMUNICATIONS VASILY V. LOGVINOV

OCCUPATIONAL SAFETY AND HYGIENE III PEDRO M. AREZES


2015-02-02 THE PAPERS PUBLISHED IN OCCUPATIONAL SAFETY AND HYGIENE III COVER THE FOLLOWING TOPICS:- OCCUPATIONAL SAFETY- RISK ASSESSMENT- SAFETY MANAGEMENT- ERGONOMICS- MANAGEMENT SYSTEMS- ENVIRONMENTAL ERGONOMICS- PHYSICAL ENVIRONMENTS- CONSTRUCTION SAFETY, AND- HUMAN FACTORS. THE CONTRIBUTIONS ARE BASED ON RESEARCH CARRIED OUT AT UNIVERSITIES AND OTHER RESEA

MODELING, PROGRAMMING AND SIMULATIONS USING

LABVIEW™ SOFTWARE RICCARDO DE ASMUNDIS

2011-01-21 BORN ORIGINALLY AS A SOFTWARE FOR INSTRUMENTATION CONTROL, LABVIEW BECAME QUICKLY A VERY POWERFUL PROGRAMMING LANGUAGE, HAVING SOME PECULIAR CHARACTERISTICS WHICH MADE IT UNIQUE: THE SIMPLICITY IN CREATING VERY EFFECTIVE USERS INTERFACES AND THE G PROGRAMMING MODE. WHILE THE FORMER ALLOWS DESIGNING VERY PROFESSIONAL CONTROLS PANELS AND WHOLE APPLICATIONS, COMPLETED WITH FEATURES FOR DISTRIBUTING AND INSTALLING THEM, THE LATTER REPRESENTS AN INNOVATIVE AND ENTHUSIASTIC WAY OF PROGRAMMING: THE GRAPHICAL REPRESENTATION OF THE CODE. THE SURPRISING ASPECT IS THAT SUCH A WAY OF CONCEIVING ALGORITHMS IS ABSOLUTELY SIMILAR TO THE SADT METHOD (STRUCTURED ANALYSIS AND DESIGN TECHNIQUE) INTRODUCED BY DOUGLAS T. ROSS AND SOFTECH, INC. (USA) IN 1969 FROM AN ORIGINAL IDEA OF MIT, AND EXTENSIVELY USED BY US AIR FORCE FOR THEIR PROJECTS. LABVIEW PRACTICALLY ALLOWS PROGRAMMING BY IMPLEMENTING STRAIGHTLY THE EQUIVALENT OF AN SADT "ACTIGRAM". BESIDE THIS ACADEMICAL ASPECT, LABVIEW CAN BE USED IN A VARIETY OF FORMS, CREATING PROJECTS THAT CAN SPREAD OVER AN ENORMOUS FIELD OF APPLICATIONS: FROM CONTROL AND MONITOR SOFTWARE TO DATA TREATMENT AND ARCHIVING; FROM MODELING TO INSTRUMENTS CONTROLS; FROM REAL TIME PROGRAMMING TO ADVANCED ANALYSIS TOOLS WITH VERY POWERFUL MATHEMATICAL ALGORITHMS READY TO USE; FROM FULL INTEGRATION WITH NATIVE HARDWARE (BY NATIONAL INSTRUMENTS) TO AN EASY IMPLEMENTATION OF DRIVERS FOR THIRD PARTY HARDWARE. IN THIS BOOK A COLLECTION OF DIFFERENT APPLICATIONS WHICH COVER A WIDE RANGE OF POSSIBILITIES IS PRESENTED. WE GO FROM SIMPLE OR DISTRIBUTED CONTROL SOFTWARE TO MODELING DONE IN LABVIEW; FROM VERY SPECIFIC APPLICATIONS TO USAGE IN THE EDUCATIONAL ENVIRONMENT.

PRINCIPLES OF OSTEOIMMUNOLOGY PETER PIETSCHMANN 2011-11-29 OSTEOIMMUNOLOGY IS A NEW AND RAPIDLY DEVELOPING FIELD OF GREAT IMPORTANCE. IT DEALS WITH MECHANISMS AND POSSIBLE TREATMENTS OF BONE-RELATED DISEASES, SUCH AS OSTEOPOROSIS, RHEUMATOID ARTHRITIS AND PERIODONTITIS, THAT ARE CAUSED BY OR ASSOCIATED WITH A MALFUNCTIONING IMMUNE SYSTEM. THIS BOOK DESCRIBES THE BASICS OF BONE BIOLOGY AND OF THE IMMUNE SYSTEM AND PROVIDES INSIGHT INTO THE MOLECULAR MECHANISMS OF BONE DISEASES. IN ADDITION, CLINICAL DATA IS PRESENTED AND PUT INTO CONTEXT WITH THE NEWEST RESEARCH FINDINGS. IT WAS INTENDED FOR ALL SCIENTISTS AND PHYSICIANS WORKING IN IMMUNOLOGY, PATHOPHYSIOLOGY AND OSTEOLOGY.

DISTRIBUTED AUTONOMOUS ROBOTIC SYSTEMS ALCHERIO MARTINOLI 2012-09-05 DISTRIBUTED ROBOTICS IS A RAPIDLY GROWING, INTERDISCIPLINARY RESEARCH AREA LYING AT THE INTERSECTION OF COMPUTER SCIENCE, COMMUNICATION AND CONTROL SYSTEMS, AND ELECTRICAL AND MECHANICAL ENGINEERING. THE GOAL OF THE SYMPOSIUM ON DISTRIBUTED AUTONOMOUS ROBOTIC SYSTEMS (DARS) IS TO EXCHANGE AND STIMULATE RESEARCH IDEAS TO REALIZE ADVANCED DISTRIBUTED ROBOTIC SYSTEMS. THIS VOLUME OF PROCEEDINGS INCLUDES 43 ORIGINAL CONTRIBUTIONS PRESENTED AT THE TENTH INTERNATIONAL SYMPOSIUM ON DISTRIBUTED AUTONOMOUS ROBOTIC SYSTEMS (DARS 2010), WHICH WAS HELD IN NOVEMBER 2010 AT THE  COLE POLYTECHNIQUE FÉDÉRAL DE LAUSANNE (EPFL), SWITZERLAND. THE SELECTED PAPERS IN THIS VOLUME ARE AUTHORED BY LEADING RESEARCHERS FROM ASIA, EUROPA, AND THE AMERICAS, THEREBY PROVIDING A BROAD COVERAGE AND PERSPECTIVE OF THE STATE-OF-THE-ART TECHNOLOGIES, ALGORITHMS, SYSTEM ARCHITECTURES, AND APPLICATIONS IN DISTRIBUTED ROBOTIC SYSTEMS. THE BOOK IS ORGANIZED INTO FOUR PARTS, EACH REPRESENTING ONE CRITICAL AND LONG-TERM RESEARCH THRUST IN THE MULTI-ROBOT COMMUNITY: DISTRIBUTED SENSING (PART I); LOCALIZATION, NAVIGATION, AND FORMATIONS (PART II); COORDINATION ALGORITHMS AND FORMAL METHODS (PART III); MODULARITY, DISTRIBUTED MANIPULATION, AND PLATFORMS (PART IV).

ESSENTIALS OF PSYCHOLOGY DOUGLAS BERNSTEIN 2018-01-01 IN A CONCISE AND READABLE 16-CHAPTER FORMAT, ESSENTIALS OF PSYCHOLOGY, 7TH EDITION, INCORPORATES THE MOST EFFECTIVE FEATURES OF THE SIXTH EDITION ALONG WITH THE LATEST AND MOST IMPORTANT RESEARCH FINDINGS FROM PSYCHOLOGICAL SCIENCE. COMBINING EXTENSIVE PEDAGOGICAL SUPPORT WITH AN EMPHASIS ON ACTIVE LEARNING, THE TEXT CHALLENGES STUDENTS TO LEARN BY DOING -- TO ACTIVELY PARTICIPATE AND TO THINK ABOUT WHAT THEY ARE LEARNING RATHER THAN JUST PASSIVELY READ WRITTEN INFORMATION. THE INTEGRATED PEDAGOGICAL PROGRAM HELPS STUDENTS MASTER THE MATERIAL BY SUPPORTING THE ELEMENTS OF THE PQ4R (PREVIEW, QUESTION, READ, RECITE, REVIEW, AND REFLECT) STUDY SYSTEM. DOUGLAS BERNSTEIN ALSO SHOWS HOW TOPICS IN PSYCHOLOGY ARE INTERRELATED AND GUIDES STUDENTS IN THINKING CRITICALLY -- INCLUDING ORGANIZING SELECT RESEARCH STUDIES AROUND QUESTIONS TO HELP READERS THINK OBJECTIVELY ABOUT RESEARCH AND RESULTS.

IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.

ADVANCES ON BROAD-BAND WIRELESS COMPUTING, COMMUNICATION AND APPLICATIONS LEONARD BAROLLI 2016-10-21 THE SUCCESS OF ALL-IP NETWORKING AND WIRELESS TECHNOLOGY HAS CHANGED THE WAYS OF LIVING THE PEOPLE AROUND THE WORLD. THE PROGRESS OF ELECTRONIC INTEGRATION AND WIRELESS COMMUNICATIONS IS GOING TO PAVE THE WAY TO OFFER PEOPLE THE ACCESS TO THE WIRELESS NETWORKS ON THE FLY, BASED ON WHICH ALL ELECTRONIC DEVICES WILL BE ABLE TO EXCHANGE THE INFORMATION WITH EACH OTHER IN UBIQUITOUS WAY WHENEVER NECESSARY. THE AIM OF THE VOLUME IS TO PROVIDE LATEST RESEARCH FINDINGS, INNOVATIVE RESEARCH RESULTS, METHODS AND DEVELOPMENT TECHNIQUES FROM BOTH THEORETICAL AND PRACTICAL PERSPECTIVES RELATED TO THE EMERGING AREAS OF BROADBAND AND WIRELESS COMPUTING. THIS PROCEEDINGS VOLUME PRESENTS THE RESULTS OF THE 11TH INTERNATIONAL CONFERENCE ON BROAD-BAND WIRELESS COMPUTING, COMMUNICATION AND APPLICATIONS (BWCCA-2016), HELD NOVEMBER 5-7, 2016, AT SOONCHUNHYANG UNIVERSITY, ASAN, KOREA.

THE ROUTLEDGE HANDBOOK OF ENGLISH LANGUAGE AND DIGITAL HUMANITIES SVENJA ADOLPHS 2020-04-16 THE ROUTLEDGE HANDBOOK OF ENGLISH LANGUAGE AND DIGITAL HUMANITIES SERVES AS A REFERENCE POINT FOR KEY DEVELOPMENTS RELATED TO THE WAYS IN WHICH THE DIGITAL TURN HAS SHAPED THE STUDY OF THE ENGLISH LANGUAGE AND OF HOW THE RESULTING METHODOLOGICAL APPROACHES HAVE PERMEATED OTHER DISCIPLINES. IT DRAWS ON MODERN LINGUISTICS AND DISCOURSE ANALYSIS FOR ITS ANALYTICAL METHODS AND APPLIES THESE APPROACHES TO THE EXPLORATION AND THEORISATION OF ISSUES WITHIN THE HUMANITIES. DIVIDED INTO THREE SECTIONS, THIS HANDBOOK COVERS: SOURCES AND CORPORA; ANALYTICAL APPROACHES; ENGLISH LANGUAGE AT THE INTERFACE WITH OTHER AREAS OF RESEARCH IN THE DIGITAL HUMANITIES. IN COVERING THESE AREAS, MORE TRADITIONAL APPROACHES AND METHODOLOGIES IN THE HUMANITIES ARE RECAST AND RESEARCH CHALLENGES ARE RE-FRAMED THROUGH THE LENS OF THE DIGITAL. THE ESSAYS IN THIS VOLUME HIGHLIGHT THE OPPORTUNITIES FOR NEW QUESTIONS TO BE ASKED AND LONG-STANDING QUESTIONS TO BE RECONSIDERED WHEN DRAWING ON THE DIGITAL IN HUMANITIES RESEARCH. THIS IS A GROUND-BREAKING COLLECTION OF ESSAYS OFFERING INCISIVE AND ESSENTIAL READING FOR ANYONE WITH AN INTEREST IN THE ENGLISH LANGUAGE AND DIGITAL HUMANITIES.

FORENSIC INVESTIGATION OF EXPLOSIONS, SECOND EDITION ALEXANDER BEVERIDGE 2011-11-02 NOW IN ITS SECOND EDITION, FORENSIC INVESTIGATION OF EXPLOSIONS DRAWS ON THE EDITOR'S 30 YEARS OF EXPLOSIVES CASEWORK EXPERIENCE, INCLUDING HIS WORK ON TASK FORCES SET UP TO INVESTIGATE MAJOR EXPLOSIVES INCIDENTS. DR. ALEXANDER BEVERIDGE PROVIDES A BROAD, MULTIDISCIPLINARY APPROACH, ASSEMBLING THE CONTRIBUTIONS OF INTERNATIONALLY RECOGNIZED EXPERTS WHO PRESENT THE DEFINITIVE REFERENCE WORK ON THE SUBJECT. TOPICS DISCUSSED INCLUDE: THE PHYSICS AND CHEMISTRY OF

EXPLOSIVES AND EXPLOSIONS THE DETECTION OF HIDDEN EXPLOSIVES THE EFFECT OF EXPLOSIONS ON STRUCTURES AND PERSONS AIRCRAFT SABOTAGE INVESTIGATIONS EXPLOSION SCENE INVESTIGATIONS CASEWORK MANAGEMENT THE ROLE OF FORENSIC SCIENTISTS ANALYSIS OF EXPLOSIVES AND THEIR RESIDUES FORENSIC PATHOLOGY AS IT RELATES TO EXPLOSIVES PRESENTATION OF EXPERT TESTIMONY WITH NEARLY 40 PERCENT MORE MATERIAL, THIS NEW EDITION CONTAINS REVISED CHAPTERS AND SEVERAL NEW TOPICS, INCLUDING: A PROFILE OF CASEWORK MANAGEMENT IN THE UK FORENSIC EXPLOSIVES LABORATORY, ONE OF THE WORLD'S TOP LABS, WITH A DISCUSSION OF THEIR MANAGEMENT SYSTEM, TRAINING PROCEDURES, AND PRACTICAL APPROACHES TO PROBLEM SOLVING PROPERTIES AND ANALYSIS OF IMPROVISED EXPLOSIVES AN EXAMINATION OF THE BALI BOMBINGS AND THE USE OF MOBILE ANALYTICAL TECHNIQUES AND MOBILE LABORATORIES THE COLLECTION, ANALYSIS, AND PRESENTATION OF EVIDENCE IN VEHICLE-BORNE IMPROVISED EXPLOSIVE DEVICE CASES, AS EVIDENCED IN ATTACKS ON US OVERSEAS TARGETS THIS VOLUME OFFERS VALUABLE INFORMATION TO ALL MEMBERS OF PREVENTION AND POST-BLAST TEAMS. EACH CHAPTER WAS WRITTEN BY AN EXPERT OR EXPERTS IN A SPECIFIC FIELD AND PROVIDES WELL-REFERENCED INFORMATION UNDERLYING BEST PRACTICES THAT CAN BE USED IN THE FIELD, LABORATORY, CONFERENCE ROOM, CLASSROOM, OR COURTROOM.

PUBLISHERS' TRADE LIST ANNUAL 1995

FORTHCOMING BOOKS ROSE ARNY 2003

EL-HI TEXTBOOKS & SERIALS IN PRINT, 2005 2005

SERVICE ROBOTICS WITHIN THE DIGITAL HOME IGNACIO GONZALEZ ALONSO 2011-06-27 THIS BOOK PROVIDES THE READER WITH A CLEAR AND PRECISE DESCRIPTION OF ROBOTICS AND OTHER SYSTEMS FOR HOME AUTOMATION CURRENTLY ON THE MARKET, AND DISCUSSES THEIR INTEROPERABILITY AND PERSPECTIVES FOR THE NEAR FUTURE. IT SHOWS THE DIFFERENT STANDARDS AND THE DEVELOPMENT PLATFORMS USED BY THE MAIN SERVICE ROBOTS IN AN INTERNATIONAL ENVIRONMENT. THIS VOLUME PROVIDES A SCIENTIFIC BASIS FOR THE USER WHO IS LOOKING FOR THE BEST OPTION TO SUIT HIS OR HER NEEDS FROM THE AVAILABLE ALTERNATIVES TO INTEGRATE MODERN TECHNOLOGY IN THE DIGITAL HOME.

ADVANCED COMMUNICATION SKILLS LABORATORY MANUAL

D. SUDHA RANI 2010-09 ADVANCED COMMUNICATION SKILLS LABORATORY MANUAL IS THE SEQUEL TO THE ACCLAIMED A MANUAL FOR ENGLISH LANGUAGE LABORATORIES, AND ADDRESSES THE SPECIFIC NEEDS OF STUDENTS AND TEACHERS IN TECHNICAL AND OTHER PROFESSIONAL COURSES. IT FOCUSES ON READING AND WRITING SKILLS, AND INTEGRATES THESE WITH SPEAKING, LISTENING, AND OTHER INTRA- AND INTER-PERSONAL SKILLS. BESIDES IMPARTING COMMUNICATION AND SOFT SKILLS, THE THREE-TIER EVALUATION EXERCISES (SELF-EVALUATION, PEER GROUP EVALUATION AND TEACHER EVALUATION) WILL IDENTIFY THE STUDENTS' COMMUNICATION SKILLS AND HELP IN DEVELOPING SKILL SETS.

INFORMATION SYSTEMS AND TECHNOLOGIES FOR ENHANCING HEALTH AND SOCIAL CARE RICARDO MARTINHO

2013-03-31 "THIS BOOK PROVIDES THE LATEST AND MOST RELEVANT RESEARCH ON THE UNDERSTANDING,

EXPANSION, AND SOLUTIONS ON TECHNOLOGIES USED FOR IMPROVEMENTS IN THE HEALTH AND SOCIAL CARE FIELD"-- PROVIDED BY PUBLISHER.

BANDWIDTH-EFFICIENT DIGITAL MODULATION WITH APPLICATION TO DEEP-SPACE COMMUNICATIONS MARVIN K. SIMON 2003-02-05

AN IMPORTANT LOOK AT BANDWIDTH-EFFICIENT MODULATIONS WITH APPLICATIONS TO TODAY'S SPACE PROGRAM BASED ON RESEARCH AND RESULTS OBTAINED AT THE CALIFORNIA INSTITUTE OF TECHNOLOGY'S JET PROPULSION LABORATORY, THIS TIMELY BOOK DEFINES, DESCRIBES, AND THEN DELINEATES THE PERFORMANCE (POWER AND BANDWIDTH) OF DIGITAL COMMUNICATION SYSTEMS THAT INCORPORATE A WIDE VARIETY OF BANDWIDTH-EFFICIENT MODULATIONS APPROPRIATE FOR THE DESIGN AND IMPLEMENTATION OF SPACE COMMUNICATIONS SYSTEMS. THE AUTHOR COMPARES THE PERFORMANCE OF THESE SYSTEMS IN THE PRESENCE OF A NUMBER OF PRACTICAL (NON-IDEAL) TRANSMITTER AND RECEIVER CHARACTERISTICS SUCH AS MODULATOR AND PHASE IMBALANCE, IMPERFECT CARRIER SYNCHRONIZATION, AND TRANSMITTER NONLINEARITY. ALTHOUGH THE MATERIAL FOCUSES ON THE DEEP SPACE APPLICATIONS DEVELOPED AT THE JET PROPULSION LABORATORY, THE PRESENTATION IS SUFFICIENTLY BROAD AS TO BE APPLICABLE TO A HOST OF OTHER APPLICATIONS DEALING WITH RF COMMUNICATIONS. AN IMPORTANT CONTRIBUTION TO THE SCIENTIFIC LITERATURE, BANDWIDTH-EFFICIENT DIGITAL MODULATION WITH APPLICATION TO DEEP SPACE COMMUNICATIONS * WAS COMMISSIONED BY THE JPL DEEP SPACE COMMUNICATIONS AND NAVIGATION SYSTEM CENTER OF EXCELLENCE * HIGHLIGHTS MANY NASA-FUNDED TECHNICAL CONTRIBUTIONS PERTAINING TO DEEP SPACE COMMUNICATIONS SYSTEMS * IS A PART OF THE PRESTIGIOUS DEEP SPACE COMMUNICATIONS AND NAVIGATION SERIES THE DEEP SPACE COMMUNICATIONS AND NAVIGATION SERIES IS AUTHORED BY SCIENTISTS AND ENGINEERS WITH EXTENSIVE EXPERIENCE IN ASTRONAUTICS, COMMUNICATIONS, AND RELATED FIELDS. IT LAYS THE FOUNDATION FOR INNOVATION IN THE AREAS OF DEEP SPACE NAVIGATION AND COMMUNICATIONS BY DISSEMINATING STATE-OF-THE-ART KNOWLEDGE IN KEY TECHNOLOGIES.

IDENTITY LARRY D ROSEN 2013-03-13 ROND 2015 ZAL ONGEVEER 80 PROCENT VAN DE WERELD BEVOLKING EEN SMARTPHONE, EEN TABLET-PC OF EEN LAPTOP HEBBEN. MEER DAN EEN OP DE TWEE INWONERS VAN WEST-EUROPA EN NOORD-AMERIKA MAAKT ER NU AL DAGELIJKS GEBRUIK VAN. DAT WIL ZEGGEN DAT ZIJ VIERENTWINTIG UUR PER DAG ONLINE ZIJN. DR. LARRY D. ROSEN ARGUMENTEERT DAT DE OVERVLOED AAN INFORMATIE WAAR WIJ MEE WORDEN GECONFRONTEERD NIET GEZOND IS VOOR ONS GEESTELIJK WELZIJN. ZO VERTOONT HET GEDRAG VAN SMARTPHONEJUNKS EN PATIENTEN MET EEN OBSESSIEF-COMPULSIEVE STOORNIS VEEL GELIJKENISSEN. TIENERS POSTEN HUN DOEN EN LATEN OP FACEBOOK, VEERTIGERS SPEUREN HET INTERNET AF OP ZOEK NAAR TEKST EN UITLEG OVER HUIDVLEKKEN, OOK AL KREGEN ZE VAN HUN ARTS TE HOREN DAT ZE ZICH GEEN ZORGEN HOEVEN TE MAKEN. HET ZIJN MAAR ENKELE VOORBEELDEN. GELUKKIG HOEFT TECHNOLOGIE ONS LEVEN NIET TE BEPALEN. IN ZIJN BOEK DRUKT LARRY D. ROSEN ONS MET DE NEUS OP DE FEITEN, MAAR TEGELIJKERTIJD LAAT HIJ ONS ZIEN HOE WE WEER EEN

EVENWICHT KUNNEN BEREIKEN TUSSEN HET GEBRUIK VAN DIGITALE MEDIA EN MENSWAARDIG GEDRAG. DR. LARRY D. ROSEN IS PROFESSOR PSYCHOLOGIE AAN DE CALIFORNIA STATE UNIVERSITY. ALS INTERNATIONAAL ERKEND EXPERT IN TECHNOLOGISCHE PSYCHOLOGIE BESTUDEERT HIJ AL 25 JAAR HET GEBRUIK VAN NIEUWE MEDIA BIJ KINDEREN, STUDENTEN EN VOLWASSENEN. HIJ IS AUTEUR VAN VERSCHILLENDE BOEKEN EN SCHRIJFT COLUMNS IN THE NATIONAL PSYCHOLOGIST.

JOURNALISM EDUCATION FOR THE DIGITAL AGE BRIAN CREECH 2021-05-31 THIS BOOK EXAMINES PRESSING DEBATES CONCERNING HOW AND WHY JOURNALISM EDUCATION SHOULD RESPOND TO DIGITAL CHANGES IN AND AROUND THE INDUSTRY, AND QUESTIONS MARKET ORIENTED IDEOLOGY AND CIVIC RESPONSIBILITY IN THE FIELD. SURVEYING A BROAD FIELD OF DISCOURSE AND RESEARCH INTO JOURNALISM EDUCATION, CREECH SHOWS HOW PUBLIC IDEALS, MARKET LOGICS AND INDUSTRY CONCERNS HAVE COME TO ANIMATE DISCUSSIONS ABOUT DIGITAL JOURNALISM EDUCATION AND JOURNALISM'S FUTURE, AND HOW ACADEMIC STRUCTURES AND CULTURES ARE POSITIONED AS A KEY OBSTACLE TO ATTAINING THAT FUTURE. THE BOOK EXAMINES LABOR CONDITIONS, CRITIQUES OF JOURNALISM EDUCATION AS AN INSTITUTION, AND CURRICULAR CHANGE, WITH REFERENCE TO HOW CONVERSATIONS AROUND RACE, FAKE NEWS, AND DIGITAL INFRASTRUCTURES IMPACT THE FIELD. CREECH ARGUES FOR A CRITICAL PEDAGOGY OF JOURNALISM EDUCATION, ONE THAT PUSHES BEYOND JOBS TRAINING AND INSTEAD IS CENTRED AROUND A COMMITMENT TO PUBLIC AND CIVIC VALUE VIA A LIBERAL ARTS TRADITION MADE PRACTICABLE FOR THE DIGITAL AGE. THIS INSIGHTFUL BOOK IS VITAL READING FOR JOURNALISM EDUCATORS AND SCHOLARS, AS WELL AS JOURNALISTS AND NEWS EXECUTIVES, EDUCATION SCHOLARS, AND PROGRAM OFFICERS AND DECISION-MAKERS AT JOURNALISM-ADJACENT FOUNDATIONS AND THINK TANKS.

Books in Print 1995

DIGITAL AND DATA COMMUNICATIONS VINCENT F.

ALISOUSKAS 1985

MODEL CURRICULA FOR JOURNALISM EDUCATION FACKSON

BANDA 2013

HANDBOOK OF DIGITAL FORENSICS OF MULTIMEDIA DATA AND DEVICES, ENHANCED E-BOOK ANTHONY T. S. HO

2016-05-20 DIGITAL FORENSICS AND MULTIMEDIA FORENSICS ARE RAPIDLY GROWING DISCIPLINES WHEREBY ELECTRONIC INFORMATION IS EXTRACTED AND INTERPRETED FOR USE IN A COURT OF LAW. THESE TWO FIELDS ARE FINDING INCREASING IMPORTANCE IN LAW ENFORCEMENT AND THE INVESTIGATION OF CYBERCRIME AS THE UBIQUITY OF PERSONAL COMPUTING AND THE INTERNET BECOMES EVER-MORE APPARENT. DIGITAL FORENSICS INVOLVES INVESTIGATING COMPUTER SYSTEMS AND DIGITAL ARTEFACTS IN GENERAL, WHILE MULTIMEDIA FORENSICS IS A SUB-TOPIC OF DIGITAL FORENSICS FOCUSING ON EVIDENCE EXTRACTED FROM BOTH NORMAL COMPUTER SYSTEMS AND SPECIAL MULTIMEDIA DEVICES, SUCH AS DIGITAL CAMERAS. THIS BOOK FOCUSES ON THE INTERFACE BETWEEN DIGITAL FORENSICS AND MULTIMEDIA FORENSICS, BRINGING TWO CLOSELY RELATED FIELDS OF FORENSIC EXPERTISE TOGETHER TO IDENTIFY AND UNDERSTAND THE CURRENT STATE-OF-THE-ART IN DIGITAL FORENSIC INVESTIGATION. BOTH FIELDS ARE EXPERTLY ATTENDED TO BY

CONTRIBUTIONS FROM RESEARCHERS AND FORENSIC PRACTITIONERS SPECIALIZING IN DIVERSE TOPICS SUCH AS FORENSIC AUTHENTICATION, FORENSIC TRIAGE, FORENSIC PHOTOGRAMMETRY, BIOMETRIC FORENSICS, MULTIMEDIA DEVICE IDENTIFICATION, AND IMAGE FORGERY DETECTION AMONG MANY OTHERS. KEY FEATURES: BRINGS DIGITAL AND MULTIMEDIA FORENSICS TOGETHER WITH CONTRIBUTIONS FROM ACADEMIA, LAW ENFORCEMENT, AND THE DIGITAL FORENSICS INDUSTRY FOR EXTENSIVE COVERAGE OF ALL THE MAJOR ASPECTS OF DIGITAL FORENSICS OF MULTIMEDIA DATA AND DEVICES PROVIDES COMPREHENSIVE AND AUTHORITATIVE COVERAGE OF DIGITAL FORENSICS OF MULTIMEDIA DATA AND DEVICES OFFERS NOT ONLY EXPLANATIONS OF TECHNIQUES BUT ALSO REAL-WORLD AND SIMULATED CASE STUDIES TO ILLUSTRATE HOW DIGITAL AND MULTIMEDIA FORENSICS TECHNIQUES WORK INCLUDES A COMPANION WEBSITE HOSTING CONTINUALLY UPDATED SUPPLEMENTARY MATERIALS RANGING FROM EXTENDED AND UPDATED COVERAGE OF STANDARDS TO BEST PRACTICE GUIDES, TEST DATASETS AND MORE CASE STUDIES

ELECTRONICS EXPLAINED LOUIS E. FRENZEL 2010-05-19 A INDUSTRY VETERAN GIVES READERS THE REAL SCOOP ON ELECTRONIC PRODUCT FUNDAMENTALS AS THEY ARE TODAY. THIS BOOK TOUCHES UPON TV, AUDIO, SATELLITE, RADIO, WIRELESS COMMUNICATION, AND NETWORKING.

WORKBOOK/LABORATORY MANUAL FOR EN AVANT

ANNABELLE DOLIDON 2015-01-29 STUDENTS LEARN BEST WHEN THEY ARE CONNECTING- WITH AUTHENTIC CULTURE, WITH EACH OTHER AS A COMMUNITY, AND WITH THE LANGUAGE AS USED IN REAL-WORLD SETTINGS. EN AVANT! SPARKS THE CURIOSITY THAT BUILDS THESE CONNECTIONS AS STUDENTS DRIVE TOWARD COMMUNICATIVE AND CULTURAL CONFIDENCE AND PROFICIENCY IN THE INTRODUCTORY CLASSROOM. THE EN AVANT! PROGRAM IS BUILT AROUND THE FOLLOWING DISTINCTIVE PRINCIPLES: FOCUSED APPROACH: EN AVANT! CONCENTRATES ON WHAT INTRODUCTORY FRENCH STUDENTS CAN BE REASONABLY EXPECTED TO LEARN, ALLOWING FOR SUSTAINED ENGAGEMENT WITH THE MATERIAL THAT RESPECTS THE NATURAL PROCESS OF LANGUAGE ACQUISITION. A REDUCED GRAMMAR SCOPE LEAVES MORE TIME FOR THE SYSTEMATIC REVIEW AND RECYCLING OF VOCABULARY AND GRAMMAR REQUIRED FOR STUDENTS TO ACHIEVE MASTERY OF FIRST-YEAR SKILLS. GRAMMAR TOPICS THAT WERE DEEMED OF SECONDARY IMPORTANCE BY OUR MANY REVIEWERS ARE PRESENTED IN THE PAR LA SUITE SECTION AT THE END OF THE BOOK TO ALLOW MAXIMUM FLEXIBILITY FOR THOSE INSTRUCTORS WHO WISH TO EXTEND THEIR COVERAGE OF THE GRAMMAR. FORTIFYING THE ACQUISITION PROCESS AT EVERY TURN IS LEARNSMART™, EVOLUTIONARY ADAPTIVE TECHNOLOGY THAT BUILDS A LEARNING EXPERIENCE UNIQUE TO EACH STUDENT'S INDIVIDUAL NEEDS. THROUGH LEARNSMART, STUDENTS ENGAGE IN TARGETED VOCABULARY AND GRAMMAR PRACTICE SO THEY ARE PREPARED TO COME TO CLASS READY TO COMMUNICATE. ACTIVE LEARNING: EN AVANT! GIVES STUDENTS THE OPPORTUNITY TO EXPLORE LANGUAGE AND CULTURE THROUGH INTERACTIVE ACTIVITIES THAT KEEP THEM FOCUSED AND ENGAGED. VOCABULARY AND GRAMMAR IN EN AVANT! IS TAUGHT USING AN ACTIVE LEARNING APPROACH, NUDGING STUDENTS TO DISCOVER NEW VOCABULARY AND LANGUAGE

RULES THROUGH A CAREFULLY BALANCED MIX OF INDUCTIVE AND EXPLICIT PRESENTATIONS AND HANDS-ON LEARNING IN THE COMMUNICATION EN DIRECT VIDEO SECTION THAT BEGINS EACH CHAPTER, AS WELL AS IN THE VOCABULAIRE INTERACTIF AND GRAMMAIRE INTERACTIVE PRESENTATIONS. INTEGRATION OF CULTURE: BUILDING ON THE ACTIVE LEARNING THEME, STUDENTS DEVELOP AND APPLY CRITICAL-THINKING SKILLS IN THEIR ANALYSIS OF THE CULTURAL TRENDS AND CULTURAL PRODUCTS THAT ARE RICHLY PRESENTED IN EN AVANT! THE COMMUNICATION EN DIRECT VIDEOS ALLOW STUDENTS TO NOT ONLY HEAR THE LANGUAGE BUT TO OBSERVE HOW THE LANGUAGE IS SPOKEN IN A CULTURAL CONTEXT.

VOCABULARY AND GRAMMAR ARE OFTEN PRESENTED OR PRACTICED WITHIN A CULTURAL CONTEXT, AND THROUGHOUT EACH CHAPTER, STUDENTS ARE ENCOURAGED TO MAKE CROSS-CULTURAL COMPARISONS BY RESPONDING TO THE THOUGHT-PROVOKING QUESTIONS SUCH AS THOSE POSED IN THE NEW ET CHEZ VOUS? FEATURE THAT ACCOMPANIES THE CHEZ LES FRANÇAIS AND CHEZ LES FRANCOPHONES TEXTS. THE CULMINATING SECTION OF THE CHAPTER CULTURE EN DIRECT PRESENTS CULTURE AT THE DISCOURSE LEVEL THROUGH CULTURAL VIDEO PRESENTATIONS, AUTHENTIC TEXTS, FEATURE-FILM CLIPS, AND SONGS, ALL RELATED TO THE CHAPTER THEME. THE STUNNING SALUT DE... VIDEO SEGMENTS, SHOT IN PARIS, MONTRÉAL, LOUISIANA, TUNISIA, AND TAHITI, ALSO PROVIDE WINDOWS INTO THE DIVERSE CULTURES OF THE FRANCOPHONE WORLD. MOBILE TOOLS FOR DIGITAL SUCCESS: CONNECT FRENCH, MCGRAW-HILL'S DIGITAL TEACHING AND LEARNING ENVIRONMENT, IS NOW MOBILE ENABLED FOR TABLETS, ALLOWING STUDENTS TO ENGAGE IN THEIR COURSE MATERIAL VIA THE DEVICES THEY USE EVERY DAY. THE DIGITAL TOOLS AVAILABLE IN THE CONNECT FRENCH PLATFORM FACILITATE STUDENT PROGRESS BY PROVIDING EXTENSIVE OPPORTUNITIES TO PRACTICE AND HONE THEIR DEVELOPING SKILLS. THESE LEARNING OPPORTUNITIES INCLUDE ONLINE COMMUNICATIVE ACTIVITIES, INSTANT FEEDBACK, PEER-EDITING WRITING TOOLS, SOPHISTICATED REPORTING, AND A COMPLETE E-BOOK WITH EMBEDDED AUDIO, VIDEO, AND GRAMMAR TUTORIALS. CONNECT IS THE ONLY INTEGRATED LEARNING SYSTEM THAT EMPOWERS STUDENTS BY CONTINUOUSLY ADAPTING TO DELIVER PRECISELY WHAT THEY NEED, WHEN THEY NEED IT, AND HOW THEY NEED IT, SO THAT YOUR CLASS TIME IS MORE ENGAGING AND EFFECTIVE.

*CONNECT FRENCH, INCLUDING BUT NOT LIMITED TO THE WORKBOOK/LAB MANUAL, LEARNSMART, THE VIDEO PROGRAM, AND CHAT TOOLS, IS SOLD SEPARATELY AND DOES NOT COME AUTOMATICALLY WITH THE PURCHASE OF THE TEXTBOOK.

REAL-TIME DIGITAL SIGNAL PROCESSING, SEN M. KUO 2001
INTRODUCTION TO REAL-TIME DIGITAL SIGNAL PROCESSING -
INTRODUCTION TO TMS320C55X DIGITAL SIGNAL
PROCESSOR - DSP FUNDAMENTALS AND IMPLEMENTATION
CONSIDERATIONS - FREQUENCY ANALYSIS - DESIGN AND
IMPLEMENTATION OF FIR FILTERS - DESIGN AND
IMPLEMENTATION OF IIR FILTERS - FAST FOURIER TRANSFORM
AND ITS APPLICATIONS - ADAPTIVE FILTERING - PRACTICAL
DSP APPLICATIONS IN COMMUNICATIONS.

INTRODUCTION TO MIXED-SIGNAL, EMBEDDED DESIGN ALEX
DOBOLI 2010-12-17 THIS TEXTBOOK IS WRITTEN FOR

JUNIOR/SENIOR UNDERGRADUATE AND FIRST-YEAR GRADUATE STUDENTS IN THE ELECTRICAL AND COMPUTER ENGINEERING DEPARTMENTS. USING PSoC MIXED-SIGNAL ARRAY DESIGN, THE AUTHORS DEFINE THE CHARACTERISTICS OF EMBEDDED DESIGN, EMBEDDED MIXED-SIGNAL ARCHITECTURES, AND TOP-DOWN DESIGN. OPTIMIZED IMPLEMENTATIONS OF THESE DESIGNS ARE INCLUDED TO ILLUSTRATE THE THEORY. EXERCISES ARE PROVIDED AT THE END OF EACH CHAPTER FOR PRACTICE. TOPICS COVERED INCLUDE THE HARDWARE AND SOFTWARE USED TO IMPLEMENT ANALOG AND DIGITAL INTERFACES, VARIOUS FILTER STRUCTURES, AMPLIFIERS AND OTHER SIGNAL-CONDITIONING CIRCUITS, PULSE-WIDTH MODULATORS, TIMERS, AND DATA STRUCTURES FOR HANDLING MULTIPLE SIMILAR PERIPHERAL DEVICES. THE PRACTICAL EXERCISES CONTAINED IN THE COMPANION LABORATORY MANUAL, WHICH WAS CO-AUTHORED BY CYPRESS STAFF APPLICATIONS ENGINEER DAVE VAN ESS, ARE ALSO BASED ON PSoC. PSoC'S INTEGRATED MICROCONTROLLER, HIGHLY CONFIGURABLE ANALOG/DIGITAL PERIPHERALS, AND A FULL SET OF DEVELOPMENT TOOLS MAKE IT AN IDEAL LEARNING TOOL FOR DEVELOPING MIXED-SIGNAL EMBEDDED DESIGN SKILLS.

CRIME SCENE FORENSICS ROBERT C SHALER 2011-12-28
BRIDGING THE GAP BETWEEN PRACTICAL CRIME SCENE INVESTIGATION AND SCIENTIFIC THEORY, CRIME SCENE FORENSICS: A SCIENTIFIC METHOD APPROACH MAINTAINS THAT CRIME SCENE INVESTIGATIONS ARE INTENSELY INTELLECTUAL EXERCISES THAT MARRY SCIENTIFIC AND INVESTIGATIVE PROCESSES. SUCCESS IN THIS FIELD REQUIRES EXPERIENCE, CREATIVE THINKING, LOGIC, AND THE CORRECT APPLICATION OF THE SCIENCE AND THE SCIENTIFIC METHOD. EMPHASIZING THE NECESSARY THOUGHT PROCESSES FOR APPLYING SCIENCE TO THE INVESTIGATION, THIS TEXT COVERS: THE GENERAL SCENE INVESTIGATION PROCESS, INCLUDING DEFINITIONS AND PHILOSOPHY AS WELL AS HANDS-ON CONSIDERATIONS ARCHIVING THE CRIME SCENE THROUGH PHOTOGRAPHY, SKETCHING, AND VIDEO MANAGING THE CRIME SCENE INVESTIGATION—THE GLUE THAT HOLDS THE INVESTIGATION TOGETHER SEARCHING THE CRIME SCENE—THE LOGICAL BYPRODUCT OF ARCHIVING AND MANAGEMENT IMPRESSION/PATTERN EVIDENCE, INCLUDING FINGERPRINTS, BLOODSTAINS, FOOTWEAR IMPRESSIONS, AND TIRE TRACK IMPRESSIONS THE BIOLOGICAL CRIME SCENE AND RECOGNIZING, COLLECTING, AND PRESERVING BIOLOGICAL EVIDENCE, INCLUDING FORENSIC ENTOMOLOGY AND EVIDENCE FOUND AT BIOWEAPON SCENES THE FUNDAMENTAL PRINCIPLES OF EVIDENCE AS EXPRESSED BY THE PRINCIPLE OF DIVISIBLE MATTER AND THE LOCARD EXCHANGE PRINCIPLE: EVERY TOUCH LEAVES A TRACE TRACE EVIDENCE, INCLUDING GLASS, PAINT, AND SOIL SHOOTING INCIDENT SCENES, WITH DISCUSSION OF BULLET PATHS AND GUNSHOT RESIDUE THE FINAL SECTION EXAMINES FIRE SCENES, QUALITY ASSURANCE ISSUES, AND METHODS FOR COLLECTING AND PRESERVING VARIOUS EVIDENCE TYPES NOT COVERED IN OTHER CHAPTERS. THE DELICATE BALANCE AMONG LOGIC, SCIENCE, AND INVESTIGATIVE ACTIVITY MUST BE UNDERSTOOD IN ORDER TO SUCCESSFULLY WORK A CRIME SCENE. ENHANCED BY MORE THAN 200 COLOR IMAGES, THIS VOLUME PROVIDES INVESTIGATORS AND STUDENTS WITH THE TOOLS TO GRASP

THESE CRITICAL CONCEPTS, PAVING AN EXPEDITIOUS PATH TO THE TRUTH.
SUBJECT GUIDE TO BOOKS IN PRINT 1990