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PLANNING GUIDE FOR MAINTAINING SCHOOL FACILITIES -

SOCIAL ENTREPRENEURSHIP: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS - MANAGEMENT ASSOCIATION, INFORMATION RESOURCES 2019-04-01

BUSINESSES ARE LOOKING FOR METHODS TO INCORPORATE SOCIAL ENTREPRENEURSHIP IN ORDER TO GENERATE A POSITIVE RETURN TO SOCIETY. SOCIAL ENTERPRISES HAVE THE ABILITY TO IMPROVE SOCIETIES THROUGH ALTRUISTIC WORK TO CREATE SUSTAINABLE WORK ENVIRONMENTS FOR FUTURE ENTREPRENEURS AND THEIR COMMUNITIES. SOCIAL ENTREPRENEURSHIP: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS IS A USEFUL SCHOLARLY RESOURCE THAT EXAMINES THE BROAD TOPIC OF SOCIAL ENTREPRENEURSHIP BY LOOKING AT RELEVANT THEORETICAL FRAMEWORKS AND FUNDAMENTAL TERMS. IT ALSO ADDRESSES THE CHALLENGES AND SOLUTIONS SOCIAL ENTREPRENEURS FACE AS THEY ADDRESS THEIR CORPORATE SOCIAL RESPONSIBILITY IN AN EFFORT TO REDEFINE THE GOALS OF TODAY'S ENTERPRISES AND ENHANCE THE POTENTIAL FOR GROWTH AND CHANGE IN EVERY COMMUNITY. HIGHLIGHTING A RANGE OF TOPICS SUCH AS THE SOCIAL ECONOMY, CORPORATE SOCIAL RESPONSIBILITY, AND COMPETITIVE ADVANTAGE, THIS MULTI-VOLUME BOOK IS IDEALLY DESIGNED FOR BUSINESS PROFESSIONALS, ENTREPRENEURS, START-UP COMPANIES, ACADEMICS, AND GRADUATE-LEVEL STUDENTS IN THE FIELDS OF ECONOMICS, BUSINESS ADMINISTRATION, SOCIOLOGY, EDUCATION, POLITICS, AND INTERNATIONAL RELATIONS. **MODELLING, SIMULATION AND INTELLIGENT COMPUTING** - NILESH GOEL 2020-07-28 THIS BOOK PRESENTS ARTICLES FROM THE INTERNATIONAL CONFERENCE ON MODELLING, SIMULATION AND INTELLIGENT COMPUTING (MoSICOM 2020), HELD AT BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE PILANI, DUBAI CAMPUS, DUBAI, UAE, IN JANUARY 2020. MODELLING AND SIMULATION ARE BECOMING INCREASINGLY IMPORTANT IN A WIDE VARIETY OF FIELDS, FROM SIGNAL, IMAGE AND SPEECH PROCESSING, AND MICROELECTRONIC DEVICES AND CIRCUITS TO INTELLIGENT TECHNIQUES, CONTROL AND ENERGY SYSTEMS, AND POWER ELECTRONICS. FURTHER, INTELLIGENT COMPUTATIONAL TECHNIQUES ARE GAINING SIGNIFICANCE IN INTERDISCIPLINARY ENGINEERING APPLICATIONS, SUCH AS ROBOTICS AND AUTOMATION, HEALTHCARE TECHNOLOGIES, IoT AND ITS APPLICATIONS. FEATURING THE LATEST ADVANCES IN THE FIELD OF ENGINEERING APPLICATIONS, THIS BOOK SERVES AS A DEFINITIVE REFERENCE RESOURCE FOR RESEARCHERS, PROFESSORS AND PRACTITIONERS INTERESTED IN EXPLORING ADVANCED TECHNIQUES IN THE FIELD OF MODELLING, SIMULATION AND COMPUTING.

WEB SERVICES: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS - MANAGEMENT ASSOCIATION, INFORMATION RESOURCES 2018-12-07

WEB SERVICE TECHNOLOGIES ARE REDEFINING THE WAY THAT LARGE AND SMALL COMPANIES ARE DOING BUSINESS AND EXCHANGING INFORMATION. DUE TO THE CRITICAL NEED FOR FURTHERING AUTOMATION, ENGAGEMENT, AND EFFICIENCY, SYSTEMS AND WORKFLOWS ARE BECOMING INCREASINGLY MORE WEB-BASED. **WEB SERVICES: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS** IS AN INNOVATIVE REFERENCE SOURCE THAT EXAMINES RELEVANT THEORETICAL FRAMEWORKS, CURRENT PRACTICE GUIDELINES, INDUSTRY STANDARDS AND STANDARDIZATION, AND THE LATEST EMPIRICAL RESEARCH FINDINGS IN WEB SERVICES. HIGHLIGHTING A RANGE OF TOPICS SUCH AS CLOUD COMPUTING, QUALITY OF SERVICE, AND SEMANTIC WEB, THIS MULTI-VOLUME BOOK IS DESIGNED FOR COMPUTER ENGINEERS, IT SPECIALISTS, SOFTWARE DESIGNERS, PROFESSIONALS, RESEARCHERS, AND UPPER-LEVEL STUDENTS INTERESTED IN WEB SERVICES ARCHITECTURE, FRAMEWORKS, AND SECURITY.

IT POLICY AND ETHICS: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS - MANAGEMENT ASSOCIATION, INFORMATION RESOURCES 2013-02-28

IT POLICIES ARE SET IN PLACE TO STREAMLINE THE PREPARATION AND DEVELOPMENT OF INFORMATION COMMUNICATION TECHNOLOGIES IN A PARTICULAR SETTING. **IT POLICY AND ETHICS: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS** IS A COMPREHENSIVE COLLECTION OF RESEARCH ON THE FEATURES OF MODERN ORGANIZATIONS IN ORDER TO ADVANCE THE UNDERSTANDING OF IT STANDARDS. THIS IS AN ESSENTIAL REFERENCE SOURCE FOR RESEARCHERS, SCHOLARS, POLICYMAKERS, AND IT MANAGERS AS WELL AS ORGANIZATIONS INTERESTED IN CARRYING OUT RESEARCH IN IT POLICIES.

RUST IN ACTION - TIM MCNAMARA 2021-09-07

"THIS WELL-WRITTEN BOOK WILL HELP YOU MAKE THE MOST OF WHAT RUST HAS TO OFFER." - RAMNIVAS LADDAD, AUTHOR OF ASPECTJ IN ACTION RUST IN ACTION IS A HANDS-ON GUIDE TO SYSTEMS PROGRAMMING WITH RUST. WRITTEN FOR INQUISITIVE PROGRAMMERS, IT PRESENTS REAL-WORLD USE CASES THAT GO FAR BEYOND SYNTAX AND STRUCTURE. SUMMARY RUST IN ACTION INTRODUCES THE RUST PROGRAMMING LANGUAGE BY EXPLORING NUMEROUS SYSTEMS PROGRAMMING CONCEPTS AND TECHNIQUES. YOU'LL BE LEARNING RUST BY DELVING INTO HOW COMPUTERS WORK UNDER THE HOOD. YOU'LL FIND YOURSELF PLAYING WITH PERSISTENT STORAGE, MEMORY, NETWORKING AND EVEN TINKERING WITH CPU INSTRUCTIONS. THE BOOK TAKES YOU THROUGH USING RUST TO EXTEND OTHER APPLICATIONS AND TEACHES YOU TRICKS TO WRITE BLINDINGLY FAST CODE. YOU'LL ALSO DISCOVER PARALLEL AND CONCURRENT PROGRAMMING. FILLED TO THE BRIM WITH REAL-LIFE USE CASES AND SCENARIOS, YOU'LL GO BEYOND THE RUST SYNTAX AND SEE WHAT RUST HAS TO OFFER IN REAL-WORLD USE CASES. PURCHASE OF THE PRINT BOOK INCLUDES A FREE eBook IN PDF, KINDLE, AND ePub FORMATS FROM MANNING PUBLICATIONS. ABOUT THE TECHNOLOGY RUST IS THE PERFECT LANGUAGE FOR SYSTEMS PROGRAMMING. IT DELIVERS THE LOW-LEVEL POWER OF C ALONG WITH ROCK-SOLID SAFETY FEATURES THAT LET YOU CODE FEARLESSLY. IDEAL FOR APPLICATIONS REQUIRING CONCURRENCY, RUST PROGRAMS ARE COMPACT, READABLE, AND BLAZINGLY FAST. BEST OF ALL, RUST'S FAMOUSLY SMART COMPILER HELPS YOU AVOID EVEN SUBTLE CODING ERRORS. ABOUT THE BOOK RUST IN

ACTION IS A HANDS-ON GUIDE TO SYSTEMS PROGRAMMING WITH RUST. WRITTEN FOR INQUISITIVE PROGRAMMERS, IT PRESENTS REAL-WORLD USE CASES THAT GO FAR BEYOND SYNTAX AND STRUCTURE. YOU'LL EXPLORE RUST IMPLEMENTATIONS FOR FILE MANIPULATION, NETWORKING, AND KERNEL-LEVEL PROGRAMMING AND DISCOVER AWESOME TECHNIQUES FOR PARALLELISM AND CONCURRENCY. ALONG THE WAY, YOU'LL MASTER RUST'S UNIQUE BORROW CHECKER MODEL FOR MEMORY MANAGEMENT WITHOUT A GARBAGE COLLECTOR. WHAT'S INSIDE ELEMENTARY TO ADVANCED RUST PROGRAMMING PRACTICAL EXAMPLES FROM SYSTEMS PROGRAMMING COMMAND-LINE, GRAPHICAL AND NETWORKED APPLICATIONS ABOUT THE READER FOR INTERMEDIATE PROGRAMMERS. NO PREVIOUS EXPERIENCE WITH RUST REQUIRED. ABOUT THE AUTHOR TIM MCNAMARA USES RUST TO BUILD DATA PROCESSING PIPELINES AND GENERATIVE ART. HE IS AN EXPERT IN NATURAL LANGUAGE PROCESSING AND DATA ENGINEERING. **TABLE OF CONTENTS** 1 INTRODUCING RUST PART 1 RUST LANGUAGE DISTINCTIVES 2 LANGUAGE FOUNDATIONS 3 COMPOUND DATA TYPES 4 LIFETIMES, OWNERSHIP, AND BORROWING PART 2 DEMYSTIFYING SYSTEMS PROGRAMMING 5 DATA IN DEPTH 6 MEMORY 7 FILES AND STORAGE 8 NETWORKING 9 TIME AND TIMEKEEPING 10 PROCESSES, THREADS, AND CONTAINERS 11 KERNEL 12 SIGNALS, INTERRUPTS, AND EXCEPTIONS **ADVANCES IN SERVICE-ORIENTED AND CLOUD COMPUTING** - ZOLT N D M MANN 2018-04-02

THIS VOLUME CONTAINS THE TECHNICAL PAPERS PRESENTED IN THE WORKSHOPS, WHICH TOOK PLACE AT THE 6TH EUROPEAN CONFERENCE ON SERVICE-ORIENTED AND CLOUD COMPUTING, ESOC 2017, HELD IN OSLO, NORWAY, SEPTEMBER 2017: FIRST INTERNATIONAL WORKSHOP ON BUSINESS PROCESS MANAGEMENT IN THE CLOUD, BPM@CLOUD 2017; THIRD INTERNATIONAL WORKSHOP ON CLOUD ADOPTION AND MIGRATION, CLOUDWAYS 2017. THE 9 FULL PAPERS WERE CAREFULLY REVIEWED AND SELECTED FROM 12 SUBMISSIONS. IN ADDITION, THE VOLUME ALSO CONTAINS 8 EU PROJECTS PAPERS, DESCRIBING PROJECTS PRESENTED AT THE EUROPEAN PROJECTS FORUM, WHICH TOOK PLACE AT ESOC 2017. THE PAPERS FOCUS ON SPECIFIC TOPICS IN SERVICE-ORIENTED AND CLOUD COMPUTING DOMAINS SUCH AS LIMITS AND/OR ADVANTAGES OF EXISTING CLOUD SOLUTIONS, FUTURE INTERNET TECHNOLOGIES, EFFICIENT AND ADAPTIVE DEPLOYMENT AND MANAGEMENT OF SERVICE-BASED APPLICATIONS ACROSS MULTIPLE CLOUDS, NOVEL CLOUD SERVICE MIGRATION PRACTICES AND SOLUTIONS, DIGITIZATION OF ENTERPRISES IN THE CLOUD COMPUTING ERA, FEDERATED CLOUD NETWORKING SERVICES.

NOVEL PRACTICES AND TRENDS IN GRID AND CLOUD COMPUTING - RAJ, PETHURU 2019-06-28

BUSINESS AND IT ORGANIZATIONS ARE CURRENTLY EMBRACING NEW STRATEGICALLY SOUND CONCEPTS IN ORDER TO BE MORE CUSTOMER-CENTRIC, COMPETITIVE, AND COGNITIVE IN THEIR DAILY OPERATIONS. WHILE USEFUL, THE VARIOUS SOFTWARE TOOLS, PIONEERING TECHNOLOGIES, AS WELL AS THEIR UNIQUE CONTRIBUTIONS LARGELY GO UNUSED DUE TO THE LACK OF INFORMATION PROVIDED ON THEIR SPECIAL CHARACTERISTICS. **NOVEL PRACTICES AND TRENDS IN GRID AND CLOUD COMPUTING** IS A COLLECTION OF INNOVATIVE RESEARCH ON THE KEY CONCERNS OF CLOUD COMPUTING AND HOW THEY ARE BEING ADDRESSED, AS WELL AS THE VARIOUS TECHNOLOGIES AND TOOLS EMPOWERING CLOUD THEORY TO BE PARTICIPATIVE, PENETRATIVE, PERVASIVE, AND PERSUASIVE. WHILE HIGHLIGHTING TOPICS INCLUDING CYBER SECURITY, SMART TECHNOLOGY, AND ARTIFICIAL INTELLIGENCE, THIS BOOK IS IDEALLY DESIGNED FOR STUDENTS, RESEARCHERS, AND BUSINESS MANAGERS ON THE LOOKOUT FOR INNOVATIVE IT SOLUTIONS FOR ALL THE BUSINESS AUTOMATION SOFTWARE AND IMPROVISATIONS OF COMPUTATIONAL TECHNOLOGIES.

CLOUD COMPUTING FUNDAMENTALS - MOHAMMAD YASSER CHUTTUR 2021-01-14

THE BOOK CLOUD COMPUTING FUNDAMENTALS IS INTENDED FOR BOTH UNDERGRADUATE AND GRADUATE STUDENTS WHO SEEK A QUICK OVERVIEW OF CLOUD COMPUTING TECHNOLOGIES WITHOUT THE NEED TO GO INTO COMPLEX TECHNICAL DETAILS. EACH CHAPTER IS WRITTEN TO PROVIDE ENOUGH INFORMATION FOR STUDENTS TO HAVE A BROAD PICTURE OF THE DIFFERENT CONCEPTS UNDERLYING CLOUD COMPUTING AND ITS APPLICATIONS IN THE REAL WORLD. STUDENTS WILL FIND THAT ATTENTION HAS BEEN GIVEN TO KEEP NOTES ON EACH TOPIC DISCUSSED AS CONCISE AND PRECISE AS POSSIBLE TO IMPART THE NECESSARY KNOWLEDGE REQUIRED FOR A BASIC UNDERSTANDING OF CLOUD COMPUTING. AT THE END OF EACH CHAPTER, STUDENTS WILL ALSO FIND A SUMMARY AND REVIEW QUESTIONS THAT HELP FOCUS ON KEY POINTS COVERED. THIS BOOK CAN BE USED AS SUPPLEMENTARY MATERIAL FOR A COURSE IN CLOUD COMPUTING.

SPECULATIVE EVERYTHING - ANTHONY DUNNE 2013-12-06

HOW TO USE DESIGN AS A TOOL TO CREATE NOT ONLY THINGS BUT IDEAS, TO SPECULATE ABOUT POSSIBLE FUTURES. TODAY DESIGNERS OFTEN FOCUS ON MAKING TECHNOLOGY EASY TO USE, SEXY, AND CONSUMABLE. IN SPECULATIVE EVERYTHING, ANTHONY DUNNE AND FIONA RABY PROPOSE A KIND OF DESIGN THAT IS USED AS A TOOL TO CREATE NOT ONLY THINGS BUT IDEAS. FOR THEM, DESIGN IS A MEANS OF SPECULATING ABOUT HOW THINGS COULD BE—TO IMAGINE POSSIBLE FUTURES. THIS IS NOT THE USUAL SORT OF PREDICTING OR FORECASTING, SPOTTING TRENDS AND EXTRAPOLATING; THESE KINDS OF PREDICTIONS HAVE BEEN PROVEN WRONG, AGAIN AND AGAIN. INSTEAD, DUNNE AND RABY POSE "WHAT IF" QUESTIONS THAT ARE INTENDED TO OPEN DEBATE AND DISCUSSION ABOUT THE KIND OF FUTURE PEOPLE WANT (AND DO NOT WANT). SPECULATIVE EVERYTHING OFFERS A TOUR THROUGH AN EMERGING CULTURAL LANDSCAPE OF DESIGN IDEAS, IDEALS, AND APPROACHES. DUNNE AND RABY CITE EXAMPLES FROM THEIR OWN DESIGN AND TEACHING AND FROM OTHER PROJECTS FROM FINE ART, DESIGN, ARCHITECTURE, CINEMA, AND PHOTOGRAPHY. THEY ALSO DRAW ON FUTUROLOGY, POLITICAL THEORY, THE PHILOSOPHY OF TECHNOLOGY, AND

LITERARY FICTION. THEY SHOW US, FOR EXAMPLE, IDEAS FOR A SOLAR KITCHEN RESTAURANT; A FLYPAPER ROBOTIC CLOCK; A MENSTRUATION MACHINE; A CLOUD-SEEDING TRUCK; A PHANTOM-LIMB SENSATION RECORDER; AND DEVICES FOR FOOD FORAGING THAT USE THE TOOLS OF SYNTHETIC BIOLOGY. DUNNE AND RABY CONTEND THAT IF WE SPECULATE MORE—ABOUT EVERYTHING—REALITY WILL BECOME MORE MALLEABLE. THE IDEAS FREED BY SPECULATIVE DESIGN INCREASE THE ODDS OF ACHIEVING DESIRABLE FUTURES.

DISTRIBUTED OPERATING SYSTEMS - ANDREW S. TANENBAUM 1995

AS DISTRIBUTED COMPUTER SYSTEMS BECOME MORE PERVASIVE, SO DOES THE NEED FOR UNDERSTANDING HOW THEIR OPERATING SYSTEMS ARE DESIGNED AND IMPLEMENTED. ANDREW S. TANENBAUM'S DISTRIBUTED OPERATING SYSTEMS FULFILLS THIS NEED. REPRESENTING A REVISED AND GREATLY EXPANDED PART II OF THE BEST-SELLING MODERN OPERATING SYSTEMS, IT COVERS THE MATERIAL FROM THE ORIGINAL BOOK, INCLUDING COMMUNICATION, SYNCHRONIZATION, PROCESSES, AND FILE SYSTEMS, AND ADDS NEW MATERIAL ON DISTRIBUTED SHARED MEMORY, REAL-TIME DISTRIBUTED SYSTEMS, FAULT-TOLERANT DISTRIBUTED SYSTEMS, AND ATM NETWORKS. IT ALSO CONTAINS FOUR DETAILED CASE STUDIES: AMOEBA, MACH, CHORUS, AND OSF/DCE. TANENBAUM'S TRADEMARK WRITING PROVIDES READERS WITH A THOROUGH, CONCISE TREATMENT OF DISTRIBUTED SYSTEMS.

GLOBAL ISLAM: A VERY SHORT INTRODUCTION - NILE GREEN 2020-12-01

THIS BOOK PRESENTS THE FIRST COMPREHENSIVE SURVEY OF THE MULTIPLE VERSIONS OF ISLAM PROPAGATED ACROSS GEOGRAPHICAL, POLITICAL, AND CULTURAL BOUNDARIES DURING THE ERA OF MODERN GLOBALIZATION. SHOWING HOW ISLAM WAS TRANSFORMED THROUGH THESE GLOBALIZING TRANSFERS, IT TRACES THE ORIGINS, EXPANSION AND INCREASING DIVERSIFICATION OF GLOBAL ISLAM - FROM INDIVIDUAL ACTIVISTS TO ORGANIZATIONS AND THEN STATES - OVER THE PAST 150 YEARS. HISTORIAN NILE GREEN SURVEYS NOT ONLY THE FAMILIAR VENUES OF ISLAM IN THE MIDDLE EAST AND THE WEST, BUT ALSO ASIA AND AFRICA, EXPLAINING THE DOCTRINES OF A WIDE VARIETY OF POLITICAL AND NON-POLITICAL VERSIONS OF ISLAM ACROSS THE SPECTRUM FROM SALAFISM TO SUFISM. THIS VERY SHORT INTRODUCTION WILL HELP READERS TO RECOGNIZE AND COMPARE THE VARIOUS ORGANIZATIONS COMPETING TO CLAIM THE AUTHENTICITY AND AUTHORITY OF REPRESENTING THE ONE TRUE ISLAM.

NEXT GENERATION INTERNET OF THINGS - DISTRIBUTED INTELLIGENCE AT THE EDGE AND HUMAN-MACHINE INTERACTIONS - OVIDIU VERMESAN 2022-09-01

THIS BOOK PROVIDES AN OVERVIEW OF THE NEXT GENERATION INTERNET OF THINGS (IoT), RANGING FROM RESEARCH, INNOVATION, DEVELOPMENT PRIORITIES, TO ENABLING TECHNOLOGIES IN A GLOBAL CONTEXT. IT IS INTENDED AS A STANDALONE IN A SERIES COVERING THE ACTIVITIES OF THE INTERNET OF THINGS EUROPEAN RESEARCH CLUSTER (IERC), INCLUDING RESEARCH, TECHNOLOGICAL INNOVATION, VALIDATION, AND DEPLOYMENT. THE FOLLOWING CHAPTERS BUILD ON THE IDEAS PUT FORWARD BY THE EUROPEAN RESEARCH CLUSTER, THE IoT EUROPEAN PLATFORM INITIATIVE (IoT-EPI), THE IoT EUROPEAN LARGE-SCALE PILOTS PROGRAMME AND THE IoT EUROPEAN SECURITY AND PRIVACY PROJECTS, PRESENTING GLOBAL VIEWS AND STATE-OF-THE-ART RESULTS REGARDING THE NEXT GENERATION OF IoT RESEARCH, INNOVATION, DEVELOPMENT, AND DEPLOYMENT. THE IoT AND INDUSTRIAL INTERNET OF THINGS (IIoT) ARE EVOLVING TOWARDS THE NEXT GENERATION OF TACTILE IoT/IIoT, BRINGING TOGETHER HYPERCONNECTIVITY (5G AND BEYOND), EDGE COMPUTING, DISTRIBUTED LEDGER TECHNOLOGIES (DLTs), VIRTUAL/ AUGMENTED REALITY (VR/AR), AND ARTIFICIAL INTELLIGENCE (AI) TRANSFORMATION. FOLLOWING THE WIDER ADOPTION OF CONSUMER IoT, THE NEXT GENERATION OF IoT/IIoT INNOVATION FOR BUSINESS IS DRIVEN BY INDUSTRIES, ADDRESSING INTEROPERABILITY ISSUES AND PROVIDING NEW END-TO-END SECURITY SOLUTIONS TO FACE CONTINUOUS TREATS. THE ADVANCES OF AI TECHNOLOGY IN VISION, SPEECH RECOGNITION, NATURAL LANGUAGE PROCESSING AND DIALOG ARE ENABLING THE DEVELOPMENT OF END-TO-END INTELLIGENT SYSTEMS ENCAPSULATING MULTIPLE TECHNOLOGIES, DELIVERING SERVICES IN REAL-TIME USING LIMITED RESOURCES. THESE DEVELOPMENTS ARE FOCUSING ON DESIGNING AND DELIVERING EMBEDDED AND HIERARCHICAL AI SOLUTIONS IN IoT/IIoT, EDGE COMPUTING, USING DISTRIBUTED ARCHITECTURES, DLTs PLATFORMS AND DISTRIBUTED END-TO-END SECURITY, WHICH PROVIDE REAL-TIME DECISIONS USING LESS DATA AND COMPUTATIONAL RESOURCES, WHILE ACCESSING EACH TYPE OF RESOURCE IN A WAY THAT ENHANCES THE ACCURACY AND PERFORMANCE OF MODELS IN THE VARIOUS IoT/IIoT APPLICATIONS. THE CONVERGENCE AND COMBINATION OF IoT, AI AND OTHER RELATED TECHNOLOGIES TO DERIVE INSIGHTS, DECISIONS AND REVENUE FROM SENSOR DATA PROVIDE NEW BUSINESS MODELS AND SOURCES OF MONETIZATION. MEANWHILE, SCALABLE, IoT-ENABLED APPLICATIONS HAVE BECOME PART OF LARGER BUSINESS OBJECTIVES, ENABLING DIGITAL TRANSFORMATION WITH A FOCUS ON NEW SERVICES AND APPLICATIONS. SERVING THE NEXT GENERATION OF TACTILE IoT/IIoT REAL-TIME USE CASES OVER 5G AND NETWORK SLICING TECHNOLOGY IS ESSENTIAL FOR CONSUMER AND INDUSTRIAL APPLICATIONS AND SUPPORT REDUCING OPERATIONAL COSTS, INCREASING EFFICIENCY AND LEVERAGING ADDITIONAL CAPABILITIES FOR REAL-TIME AUTONOMOUS SYSTEMS. NEW IoT DISTRIBUTED ARCHITECTURES, COMBINED WITH SYSTEM-LEVEL ARCHITECTURES FOR EDGE/FOG COMPUTING, ARE EVOLVING IoT PLATFORMS, INCLUDING AI AND DLTs, WITH EMBEDDED INTELLIGENCE INTO THE HYPERCONNECTIVITY INFRASTRUCTURE. THE NEXT GENERATION OF IoT/IIoT TECHNOLOGIES ARE HIGHLY TRANSFORMATIONAL, ENABLING INNOVATION AT SCALE, AND AUTONOMOUS DECISION-MAKING IN VARIOUS APPLICATION DOMAINS SUCH AS HEALTHCARE, SMART HOMES, SMART BUILDINGS, SMART CITIES, ENERGY, AGRICULTURE, TRANSPORTATION AND AUTONOMOUS VEHICLES, THE MILITARY, LOGISTICS AND SUPPLY CHAIN, RETAIL AND WHOLESALE, MANUFACTURING, MINING AND OIL AND GAS.

MR. BENNETT AND MRS. BROWN - VIRGINIA WOOLF 1924

INNOVATIVE KNOWLEDGE MANAGEMENT: CONCEPTS FOR ORGANIZATIONAL CREATIVITY AND COLLABORATIVE DESIGN - EARDLEY, ALAN 2010-09-30

"THIS BOOK PROVIDES A VALUABLE RESOURCE FOR PROMOTING CURRENT ACADEMIC DISCOURSE ON INNOVATION IN KNOWLEDGE-INTENSIVE ORGANIZATIONS AND CONTEXTS"-- PROVIDED BY PUBLISHER.

VIRTUAL LEARNING ENVIRONMENTS: CONCEPTS, METHODOLOGIES, TOOLS AND APPLICATIONS - MANAGEMENT ASSOCIATION, INFORMATION RESOURCES 2012-01-31
AS THE WORLD RAPIDLY MOVES ONLINE, SECTORS FROM MANAGEMENT, INDUSTRY, GOVERNMENT, AND EDUCATION HAVE BROADLY BEGUN TO VIRTUALIZE THE WAY PEOPLE INTERACT AND LEARN. VIRTUAL LEARNING ENVIRONMENTS: CONCEPTS, METHODOLOGIES,

TOOLS AND APPLICATIONS IS A THREE-VOLUME COMPENDIUM OF THE LATEST RESEARCH, CASE STUDIES, THEORIES, AND METHODOLOGIES WITHIN THE FIELD OF VIRTUAL LEARNING ENVIRONMENTS. AS NETWORKS GET FASTER, CHEAPER, SAFER, AND MORE RELIABLE, THEIR APPLICATIONS GROW AT A RATE THAT MAKES IT DIFFICULT FOR THE TYPICAL PRACTITIONER TO KEEP ABREAST. WITH A WIDE RANGE OF SUBJECTS, SPANNING FROM AUTHORS ACROSS THE GLOBE AND WITH APPLICATIONS AT DIFFERENT LEVELS OF EDUCATION AND HIGHER LEARNING, THIS REFERENCE GUIDE SERVES ACADEMICS AND PRACTITIONERS ALIKE, INDEXED AND CATEGORIZED EASILY FOR STUDY AND APPLICATION.

DEVELOPING A PROTOCOL FOR OBSERVATIONAL COMPARATIVE EFFECTIVENESS RESEARCH: A USER'S GUIDE - AGENCY FOR HEALTH CARE RESEARCH AND QUALITY (U.S.) 2013-02-21

THIS USER'S GUIDE IS A RESOURCE FOR INVESTIGATORS AND STAKEHOLDERS WHO DEVELOP AND REVIEW OBSERVATIONAL COMPARATIVE EFFECTIVENESS RESEARCH PROTOCOLS. IT EXPLAINS HOW TO (1) IDENTIFY KEY CONSIDERATIONS AND BEST PRACTICES FOR RESEARCH DESIGN; (2) BUILD A PROTOCOL BASED ON THESE STANDARDS AND BEST PRACTICES; AND (3) JUDGE THE ADEQUACY AND COMPLETENESS OF A PROTOCOL. ELEVEN CHAPTERS COVER ALL ASPECTS OF RESEARCH DESIGN, INCLUDING: DEVELOPING STUDY OBJECTIVES, DEFINING AND REFINING STUDY QUESTIONS, ADDRESSING THE HETEROGENEITY OF TREATMENT EFFECT, CHARACTERIZING EXPOSURE, SELECTING A COMPARATOR, DEFINING AND MEASURING OUTCOMES, AND IDENTIFYING OPTIMAL DATA SOURCES. CHECKLISTS OF GUIDANCE AND KEY CONSIDERATIONS FOR PROTOCOLS ARE PROVIDED AT THE END OF EACH CHAPTER. THE USER'S GUIDE WAS CREATED BY RESEARCHERS AFFILIATED WITH AHRQ'S EFFECTIVE HEALTH CARE PROGRAM, PARTICULARLY THOSE WHO PARTICIPATED IN AHRQ'S DECIDE (DEVELOPING EVIDENCE TO INFORM DECISIONS ABOUT EFFECTIVENESS) PROGRAM. CHAPTERS WERE SUBJECT TO MULTIPLE INTERNAL AND EXTERNAL INDEPENDENT REVIEWS. MORE INFORMATION, PLEASE CONSULT THE AGENCY WEBSITE: [WWW.EFFECTIVEHEALTHCARE.AHRQ.GOV](http://www.effectivehealthcare.ahrq.gov)

NATURAL VENTILATION FOR INFECTION CONTROL IN HEALTH-CARE SETTINGS - Y. CHARTIER 2009

THIS GUIDELINE DEFINES VENTILATION AND THEN NATURAL VENTILATION. IT EXPLORES THE DESIGN REQUIREMENTS FOR NATURAL VENTILATION IN THE CONTEXT OF INFECTION CONTROL, DESCRIBING THE BASIC PRINCIPLES OF DESIGN, CONSTRUCTION, OPERATION AND MAINTENANCE FOR AN EFFECTIVE NATURAL VENTILATION SYSTEM TO CONTROL INFECTION IN HEALTH-CARE SETTINGS.

RESEARCH ANTHOLOGY ON USAGE AND DEVELOPMENT OF OPEN SOURCE SOFTWARE - MANAGEMENT ASSOCIATION, INFORMATION RESOURCES 2021-06-25

THE QUICK GROWTH OF COMPUTER TECHNOLOGY AND DEVELOPMENT OF SOFTWARE CAUSED IT TO BE IN A CONSTANT STATE OF CHANGE AND ADVANCEMENT. THIS ADVANCEMENT IN SOFTWARE DEVELOPMENT MEANT THAT THERE WOULD BE MANY TYPES OF SOFTWARE DEVELOPED IN ORDER TO EXCEL IN USABILITY AND EFFICIENCY. AMONG THESE DIFFERENT TYPES OF SOFTWARE WAS OPEN SOURCE SOFTWARE, ONE THAT GRANTS PERMISSION FOR USERS TO USE, STUDY, CHANGE, AND DISTRIBUTE IT FREELY. DUE TO ITS AVAILABILITY, OPEN SOURCE SOFTWARE HAS QUICKLY BECOME A VALUABLE ASSET TO THE WORLD OF COMPUTER TECHNOLOGY AND ACROSS VARIOUS DISCIPLINES INCLUDING EDUCATION, BUSINESS, AND LIBRARY SCIENCE. THE RESEARCH ANTHOLOGY ON USAGE AND DEVELOPMENT OF OPEN SOURCE SOFTWARE PRESENTS COMPREHENSIVE RESEARCH ON THE DESIGN AND DEVELOPMENT OF OPEN SOURCE SOFTWARE AS WELL AS THE WAYS IN WHICH IT IS USED. THE TEXT DISCUSSES IN DEPTH THE WAY IN WHICH THIS COMPUTER SOFTWARE HAS BEEN MADE INTO A COLLABORATIVE EFFORT FOR THE ADVANCEMENT OF SOFTWARE TECHNOLOGY. DISCUSSING TOPICS SUCH AS ISO STANDARDS, BIG DATA, FAULT PREDICTION, OPEN COLLABORATION, AND SOFTWARE DEVELOPMENT, THIS ANTHOLOGY IS ESSENTIAL FOR COMPUTER ENGINEERS, SOFTWARE DEVELOPERS, IT SPECIALISTS AND CONSULTANTS, INSTRUCTORS, LIBRARIANS, MANAGERS, EXECUTIVES, PROFESSIONALS, ACADEMICIANS, RESEARCHERS, AND STUDENTS.

MACHINE LEARNING WITH R, THE TIDYVERSE, AND MLR - HEFIN I. RHYS 2020-03-31

SUMMARY MACHINE LEARNING (ML) IS A COLLECTION OF PROGRAMMING TECHNIQUES FOR DISCOVERING RELATIONSHIPS IN DATA. WITH ML ALGORITHMS, YOU CAN CLUSTER AND CLASSIFY DATA FOR TASKS LIKE MAKING RECOMMENDATIONS OR FRAUD DETECTION AND MAKE PREDICTIONS FOR SALES TRENDS, RISK ANALYSIS, AND OTHER FORECASTS. ONCE THE DOMAIN OF ACADEMIC DATA SCIENTISTS, MACHINE LEARNING HAS BECOME A MAINSTREAM BUSINESS PROCESS, AND TOOLS LIKE THE EASY-TO-LEARN R PROGRAMMING LANGUAGE PUT HIGH-QUALITY DATA ANALYSIS IN THE HANDS OF ANY PROGRAMMER. MACHINE LEARNING WITH R, THE TIDYVERSE, AND MLR TEACHES YOU WIDELY USED ML TECHNIQUES AND HOW TO APPLY THEM TO YOUR OWN DATASETS USING THE R PROGRAMMING LANGUAGE AND ITS POWERFUL ECOSYSTEM OF TOOLS. THIS BOOK WILL GET YOU STARTED! PURCHASE OF THE PRINT BOOK INCLUDES A FREE eBook IN PDF, KINDLE, AND ePub FORMATS FROM MANNING PUBLICATIONS. ABOUT THE BOOK MACHINE LEARNING WITH R, THE TIDYVERSE, AND MLR GETS YOU STARTED IN MACHINE LEARNING USING R STUDIO AND THE AWESOME MLR MACHINE LEARNING PACKAGE. THIS PRACTICAL GUIDE SIMPLIFIES THEORY AND AVOIDS NEEDLESSLY COMPLICATED STATISTICS OR MATH. ALL CORE ML TECHNIQUES ARE CLEARLY EXPLAINED THROUGH GRAPHICS AND EASY-TO-GRASP EXAMPLES. IN EACH ENGAGING CHAPTER, YOU'LL PUT A NEW ALGORITHM INTO ACTION TO SOLVE A QUIRKY PREDICTIVE ANALYSIS PROBLEM, INCLUDING TITANIC SURVIVAL ODDS, SPAM EMAIL FILTERING, AND POISONED WINE INVESTIGATION. WHAT'S INSIDE USING THE TIDYVERSE PACKAGES TO PROCESS AND PLOT YOUR DATA TECHNIQUES FOR SUPERVISED AND UNSUPERVISED LEARNING CLASSIFICATION, REGRESSION, DIMENSION REDUCTION, AND CLUSTERING ALGORITHMS STATISTICS PRIMER TO FILL GAPS IN YOUR KNOWLEDGE ABOUT THE READER FOR NEWCOMERS TO MACHINE LEARNING WITH BASIC SKILLS IN R. ABOUT THE AUTHOR HEFIN I. RHYS IS A SENIOR LABORATORY RESEARCH SCIENTIST AT THE FRANCIS CRICK INSTITUTE. HE RUNS HIS OWN YOUTUBE CHANNEL OF SCREENCAST TUTORIALS FOR R AND RSTUDIO. TABLE OF CONTENTS: PART 1 - INTRODUCTION 1. INTRODUCTION TO MACHINE LEARNING 2. TIDYING, MANIPULATING, AND PLOTTING DATA WITH THE TIDYVERSE PART 2 - CLASSIFICATION 3. CLASSIFYING BASED ON SIMILARITIES WITH K-NEAREST NEIGHBORS 4. CLASSIFYING BASED ON ODDS WITH LOGISTIC REGRESSION 5. CLASSIFYING BY MAXIMIZING SEPARATION WITH DISCRIMINANT ANALYSIS 6. CLASSIFYING WITH NAIVE BAYES AND SUPPORT VECTOR MACHINES 7. CLASSIFYING WITH DECISION TREES 8. IMPROVING DECISION TREES WITH RANDOM FORESTS AND BOOSTING PART 3 - REGRESSION 9. LINEAR REGRESSION 10. NONLINEAR REGRESSION WITH GENERALIZED ADDITIVE MODELS 11. PREVENTING OVERFITTING WITH RIDGE REGRESSION, LASSO, AND ELASTIC NET 12. REGRESSION WITH KNN, RANDOM FOREST, AND XGBOOST

PART 4 - DIMENSION REDUCTION 13. MAXIMIZING VARIANCE WITH PRINCIPAL COMPONENT ANALYSIS 14. MAXIMIZING SIMILARITY WITH T-SNE AND UMAP 15. SELF-ORGANIZING MAPS AND LOCALLY LINEAR EMBEDDING PART 5 - CLUSTERING 16. CLUSTERING BY FINDING CENTERS WITH K-MEANS 17. HIERARCHICAL CLUSTERING 18. CLUSTERING BASED ON DENSITY: DBSCAN AND OPTICS 19. CLUSTERING BASED ON DISTRIBUTIONS WITH MIXTURE MODELING 20. FINAL NOTES AND FURTHER READING

RELIABLE DISTRIBUTED SYSTEMS - KENNETH BIRMAN 2006-07-02

EXPLAINS FAULT TOLERANCE IN CLEAR TERMS, WITH CONCRETE EXAMPLES DRAWN FROM REAL-WORLD SETTINGS HIGHLY PRACTICAL FOCUS AIMED AT BUILDING "MISSION-CRITICAL" NETWORKED APPLICATIONS THAT REMAIN SECURE

THE CONCEPT OF A REAL-TIME ENTERPRISE IN MANUFACTURING - DANIEL METZ 2013-10-01

ENTERPRISES HAVE TO REACT INSTANTLY TO CHANGING MARKET CONDITIONS AND DISTURBANCES THAT OCCUR DURING EXECUTION OF VALUE CREATION PROCESSES. DEPENDING UPON THE PROCESSES' CONTEXT, THE GOAL IS TO SIGNIFICANTLY REDUCE LEAD TIMES, REACTION TIMES, AND TIME-TO-MARKET, AMONG OTHERS. THE VISION OF A REAL-TIME ENTERPRISE (RTE), WHICH IS ABLE TO SENSE AND ANALYZE EVENTS FROM INTERNAL AND EXTERNAL SOURCES, AND PERFORM ADEQUATE (RE-)ACTIONS, HAS BEEN ENVISAGED BY MANUFACTURING ENTERPRISES. DANIEL METZ PRESENTS A FRAMEWORK BASED ON EDA AND CEP TOWARDS THE REALIZATION OF RTE IN MANUFACTURING. THE FRAMEWORK CLOSSES THE VERTICAL INTEGRATION GAP, AND FURTHER, ESTABLISHES FEEDBACK IN (NEAR) REAL-TIME AMONG ENTERPRISE LEVELS. AS SUCH, THE FRAMEWORK PROVIDES A HOLISTIC AND CLOSED-LOOP CONTROL OF (MANUFACTURING) PROCESSES, AND ENCOMPASSES RESULTS AND INSIGHTS FROM MANAGEMENT, ENGINEERING, AND COMPUTER SCIENCE. THE FRAMEWORK HAS BEEN IMPLEMENTED FOR A SMALL AND MEDIUM SIZED FOUNDRY IN GERMANY. THE DEVELOPED CONTROL APPROACH HAS LED TO A SIGNIFICANT INCREASE IN (MANUFACTURING) PROCESSES' EFFICIENCY (I.E., PERFORMANCE, QUALITY, AND AVAILABILITY).

PRINCIPLES OF DISTRIBUTED DATABASE SYSTEMS - M. TAMER 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 ANCILLARY TEACHING MATERIALS ARE AVAILABLE.

VIRTUAL AND AUGMENTED REALITY: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS - MANAGEMENT ASSOCIATION, INFORMATION RESOURCES 2018-03-02

VIRTUAL AND AUGMENTED REALITY IS THE NEXT FRONTIER OF TECHNOLOGICAL INNOVATION. AS TECHNOLOGY EXPONENTIALLY EVOLVES, SO DO THE WAYS IN WHICH HUMANS INTERACT AND DEPEND UPON IT. VIRTUAL AND AUGMENTED REALITY: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS IS A COMPREHENSIVE REFERENCE SOURCE FOR THE LATEST SCHOLARLY MATERIAL ON THE TRENDS, TECHNIQUES, AND USES OF VIRTUAL AND AUGMENTED REALITY IN VARIOUS FIELDS, AND EXAMINES THE BENEFITS AND CHALLENGES OF THESE DEVELOPMENTS. HIGHLIGHTING A RANGE OF PERTINENT TOPICS, SUCH AS HUMAN-COMPUTER INTERACTION, DIGITAL SELF-IDENTITY, AND VIRTUAL RECONSTRUCTION, THIS MULTI-VOLUME BOOK IS IDEALLY DESIGNED FOR RESEARCHERS, ACADEMICS, PROFESSIONALS, THEORISTS, STUDENTS, AND PRACTITIONERS INTERESTED IN EMERGING TECHNOLOGY APPLICATIONS ACROSS THE DIGITAL PLANE.

SMART TECHNOLOGIES - K. B. AKHILESH 2019-08-27

THE BOOK INTRODUCES THE CONCEPT OF 'SMART TECHNOLOGIES', ESPECIALLY 'INTERNET OF THINGS' (IoT), AND ELABORATES UPON VARIOUS CONSTITUENT TECHNOLOGIES, THEIR EVOLUTION AND THEIR APPLICATIONS TO VARIOUS CHALLENGING PROBLEMS IN SOCIETY. IT THEN PRESENTS RESEARCH PAPERS AND CASE STUDIES BASED UPON INCEPTION, APPLICATION AND IMPLEMENTATION OF IoT-BASED SMART TECHNOLOGIES FOR VARIOUS APPLICATION AREAS FROM SOME OF THE MOST TECHNOLOGICALLY CONSERVATIVE DOMAINS LIKE AGRICULTURE AND FARMING TO THE MOST ADVANCED AREAS SUCH AS AUTOMOBILES, FINANCIAL TRANSACTIONS AND INDUSTRIAL APPLICATIONS. THE BOOK CONTENTS IS THUS APPLICABLE NOT ONLY TO ACADEMIC RESEARCHER, BUT ALSO TO INTERESTED READERS FROM INDUSTRIES AND CORPORATES, AND THOSE INVOLVED IN POLICY MAKING. EXCERPT FROM THE FOREWORD (READ THE COMPLETE TEXT ON SPRINGERLINK): "THIS BOOK CONTAINS BESIDES THE TWO INTRODUCTORY CHAPTERS, WRITTEN BY THE PROJECT LEADERS FROM INDIAN INSTITUTE OF SCIENCE (IISc) BANGALORE, AND TU CLAUSTHAL (TUC), GERMANY, THE DIFFERENT AREAS OF RESEARCH WORK DONE WITHIN THE INGPARTNERSHIP IN ADVANCED RESEARCH, FOUNDED BY DAAD IN GERMANY AND UGC IN INDIA) PROJECT SO FAR BY THE INDIAN AND GERMAN YOUNG RESEARCHERS. IT OFFERS NEW PERSPECTIVES AND DOCUMENTS IMPORTANT PROGRESS IN SMART TECHNOLOGIES. I CAN SAY WITHOUT RESERVATION THAT THIS BOOK AND, MORE SPECIFICALLY, THE METHOD IT ESPOUSES WILL CHANGE FUNDAMENTAL IDEAS FOR CUTTING-EDGE INNOVATION AND DISRUPTION IN THE SMART TECHNOLOGY AREA." - PROF. DR. THOMAS HANSCHKE, PRESIDENT, TU CLAUSTHAL, CLAUSTHAL-ZELLERFELD, GERMANY

DISTRIBUTED OPERATING SYSTEMS - PRADEEP K. SINHA 1998-01-01

THE HIGHLY PRAISED BOOK IN COMMUNICATIONS NETWORKING FROM IEEE PRESS, NOW AVAILABLE IN THE EASTERN ECONOMY EDITION. THIS IS A NON-MATHEMATICAL INTRODUCTION TO DISTRIBUTED OPERATING SYSTEMS EXPLAINING THE FUNDAMENTAL CONCEPTS AND DESIGN PRINCIPLES OF THIS EMERGING TECHNOLOGY. AS A TEXTBOOK FOR STUDENTS AND AS A SELF-

STUDY TEXT FOR SYSTEMS MANAGERS AND SOFTWARE ENGINEERS, THIS BOOK PROVIDES A CONCISE AND AN INFORMAL INTRODUCTION TO THE SUBJECT.

A SHORT HISTORY OF CIRCUITS AND SYSTEMS - FRANCO MALOBERTI 2022-09-01

AFTER AN OVERVIEW OF MAJOR SCIENTIFIC DISCOVERIES OF THE 18TH AND 19TH CENTURIES, WHICH CREATED ELECTRICAL SCIENCE AS WE KNOW AND UNDERSTAND IT AND LED TO ITS USEFUL APPLICATIONS IN ENERGY CONVERSION, TRANSMISSION, MANUFACTURING INDUSTRY AND COMMUNICATIONS, THIS CIRCUITS AND SYSTEMS HISTORY BOOK FILLS A GAP IN PUBLISHED LITERATURE BY PROVIDING A RECORD OF THE MANY OUTSTANDING SCIENTISTS, MATHEMATICIANS AND ENGINEERS WHO LAID THE FOUNDATIONS OF CIRCUIT THEORY AND FILTER DESIGN FROM THE MID-20TH CENTURY. ADDITIONALLY, THE BOOK RECORDS THE HISTORY OF THE IEEE CIRCUITS AND SYSTEMS SOCIETY FROM ITS ORIGINS AS THE SMALL CIRCUIT THEORY GROUP OF THE INSTITUTE OF RADIO ENGINEERS (IRE), WHICH MERGED WITH THE AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS (AIEE) TO FORM IEEE IN 1963, TO THE LARGE AND BROAD-COVERAGE WORLDWIDE IEEE SOCIETY WHICH IT IS TODAY. MANY AUTHORS FROM MANY COUNTRIES CONTRIBUTED TO THE CREATION OF THIS BOOK, WORKING TO A VERY TIGHT TIME-SCHEDULE. THE RESULT IS A SUBSTANTIAL CONTRIBUTION TO THEIR ENTHUSIASM AND EXPERTISE WHICH IT IS HOPED THAT READERS WILL FIND BOTH INTERESTING AND USEFUL. IT IS SURE THAT IN SUCH A BOOK OMISSIONS WILL BE FOUND AND IN THE SPACE AND TIME AVAILABLE, MUCH VALUABLE MATERIAL HAD TO BE LEFT OUT. IT IS HOPED THAT THIS BOOK WILL STIMULATE AN INTEREST IN THE MARVELLOUS HERITAGE AND CONTRIBUTIONS THAT HAVE COME FROM THE MANY OUTSTANDING PEOPLE WHO WORKED IN THE CIRCUITS AND SYSTEMS AREA.

DISTRIBUTED SYSTEMS - GEORGE COULOURIS 1994

THE NEW EDITION OF THIS BESTSELLING TITLE ON DISTRIBUTED SYSTEMS HAS BEEN THOROUGHLY REVISED THROUGHOUT TO REFLECT THE STATE OF THE ART IN THIS RAPIDLY DEVELOPING FIELD. IT EMPHASIZES THE PRINCIPLES USED IN THE DESIGN AND CONSTRUCTION OF DISTRIBUTED COMPUTER SYSTEMS BASED ON NETWORKS OF WORKSTATIONS AND SERVER COMPUTERS.

DISTRIBUTED TRACING IN PRACTICE - AUSTIN PARKER 2020-04-13

MOST APPLICATIONS TODAY ARE DISTRIBUTED IN SOME FASHION. MONITORING THE HEALTH AND PERFORMANCE OF THESE DISTRIBUTED ARCHITECTURES REQUIRES A NEW APPROACH. ENTER DISTRIBUTED TRACING, A METHOD OF PROFILING AND MONITORING APPLICATIONS—ESPECIALLY THOSE THAT USE MICROSERVICE ARCHITECTURES. THERE'S JUST ONE PROBLEM: DISTRIBUTED TRACING CAN BE HARD. BUT IT DOESN'T HAVE TO BE. WITH THIS PRACTICAL GUIDE, YOU'LL LEARN WHAT DISTRIBUTED TRACING IS AND HOW TO USE IT TO UNDERSTAND THE PERFORMANCE AND OPERATION OF YOUR SOFTWARE. KEY PLAYERS AT LIGHTSTEP WALK YOU THROUGH INSTRUMENTING YOUR CODE FOR TRACING, COLLECTING THE DATA THAT YOUR INSTRUMENTATION PRODUCES, AND TURNING IT INTO USEFUL, OPERATIONAL INSIGHTS. IF YOU WANT TO START IMPLEMENTING DISTRIBUTED TRACING, THIS BOOK TELLS YOU WHAT YOU NEED TO KNOW. YOU'LL LEARN: THE PIECES OF A DISTRIBUTED TRACING DEPLOYMENT: INSTRUMENTATION, DATA COLLECTION, AND DELIVERING VALUE BEST PRACTICES FOR INSTRUMENTATION (THE METHODS FOR GENERATING TRACE DATA FROM YOUR SERVICE) HOW TO DEAL WITH OR AVOID OVERHEAD, COSTS, AND SAMPLING HOW TO WORK WITH SPANS (THE BUILDING BLOCKS OF REQUEST-BASED DISTRIBUTED TRACES) AND CHOOSE SPAN CHARACTERISTICS THAT LEAD TO VALUABLE TRACES WHERE DISTRIBUTED TRACING IS HEADED IN THE FUTURE

OPERATING SYSTEMS - GALVIN 1990

TOOLS AND TECHNOLOGIES FOR THE DEVELOPMENT OF CYBER-PHYSICAL SYSTEMS -

BALANDIN, SERGEY 2019-12-27

WITH THE CONTINUAL DEVELOPMENT OF PROFESSIONAL INDUSTRIES IN TODAY'S MODERNIZED WORLD, CERTAIN TECHNOLOGIES HAVE BECOME INCREASINGLY APPLICABLE. CYBER-PHYSICAL SYSTEMS, SPECIFICALLY, ARE A MECHANISM THAT HAS SEEN RAPID IMPLEMENTATION ACROSS NUMEROUS FIELDS. THIS IS A TECHNOLOGY THAT IS CONSTANTLY EVOLVING, SO SPECIALISTS NEED A HANDBOOK OF RESEARCH THAT KEEPS PACE WITH THE ADVANCEMENTS AND METHODOLOGIES OF THESE DEVICES. TOOLS AND TECHNOLOGIES FOR THE DEVELOPMENT OF CYBER-PHYSICAL SYSTEMS IS AN ESSENTIAL REFERENCE SOURCE THAT DISCUSSES RECENT ADVANCEMENTS OF CYBER-PHYSICAL SYSTEMS AND ITS APPLICATION WITHIN THE HEALTH, INFORMATION, AND COMPUTER SCIENCE INDUSTRIES. FEATURING RESEARCH ON TOPICS SUCH AS AUTONOMOUS AGENTS, POWER SUPPLY METHODS, AND SOFTWARE ASSESSMENT, THIS BOOK IS IDEALLY DESIGNED FOR DATA SCIENTISTS, TECHNOLOGY DEVELOPERS, MEDICAL PRACTITIONERS, COMPUTER ENGINEERS, RESEARCHERS, ACADEMICIANS, AND STUDENTS SEEKING COVERAGE ON THE DEVELOPMENT AND VARIOUS APPLICATIONS OF CYBER-PHYSICAL SYSTEMS.

ENGINEERING SOFTWARE PRODUCTS - IAN SOMMERVILLE 2021

TEACHING PRONUNCIATION - CELCE-MURCIA 1996-10-13

THIS COURSE INCLUDES AN OVERVIEW OF CURRENT THEORY AND PRACTICE. THE PAPERBACK EDITION OFFERS CURRENT AND PROSPECTIVE TEACHERS OF ENGLISH A COMPREHENSIVE TREATMENT OF PRONUNCIATION PEDAGOGY, DRAWING ON CURRENT THEORY AND PRACTICE. THE TEXT PROVIDES AN OVERVIEW OF TEACHING ISSUES FROM THE PERSPECTIVE OF DIFFERENT METHODOLOGIES AND SECOND LANGUAGE ACQUISITION RESEARCH. IT HAS A THOROUGH GROUNDING IN THE SOUND SYSTEM OF NORTH AMERICAN ENGLISH, AND CONTAINS INSIGHTS INTO HOW THIS SOUND SYSTEM INTERSECTS WITH LISTENING, MORPHOLOGY, AND SPELLING. IT ALSO CONTAINS DIAGNOSTIC TOOLS, ASSESSMENT MEASURES, AND SUGGESTIONS FOR SYLLABUS DESIGN. DISCUSSION QUESTIONS ENCOURAGE READERS TO DRAW ON THEIR PERSONAL LANGUAGE LEARNING/TEACHING EXPERIENCES AS THEY ASSIMILATE THE CONTENTS OF EACH CHAPTER. FOLLOW-UP EXERCISES GUIDE TEACHERS IN DEVELOPING A RANGE OF CLASSROOM ACTIVITIES WITHIN A COMMUNICATIVE FRAMEWORK.

EXPLORING ENTERPRISE SERVICE BUS IN THE SERVICE-ORIENTED ARCHITECTURE PARADIGM - BHADORIA, ROBIN SINGH 2017-02-14

WEB BROWSING WOULD NOT BE WHAT IT IS TODAY WITHOUT THE USE OF SERVICE-ORIENTED ARCHITECTURE (SOA). ALTHOUGH MUCH HAS BEEN WRITTEN ABOUT SOA METHODOLOGY, THIS EMERGING PLATFORM IS CONTINUOUSLY UNDER DEVELOPMENT. EXPLORING ENTERPRISE SERVICE BUS IN THE SERVICE-ORIENTED ARCHITECTURE PARADIGM IS A DETAILED REFERENCE SOURCE THAT EXAMINES CURRENT ASPECTS AND RESEARCH METHODOLOGIES THAT ENABLE ENTERPRISE SERVICE BUS TO UNIFY AND CONNECT SERVICES

EFFICIENTLY ON A COMMON PLATFORM. FEATURING RELEVANT TOPICS SUCH AS SOA REFERENCE ARCHITECTURE, GRID COMPUTING APPLICATIONS, COMPLEX EVENT COMPUTING, AND JAVA BUSINESS INTEGRATION, THIS IS AN IDEAL RESOURCE FOR ALL PRACTITIONERS, ACADEMICIANS, GRADUATE STUDENTS, AND RESEARCHERS INTERESTED IN THE DISCOVERIES ON THE RELATIONSHIP THAT SERVICE-ORIENTED ARCHITECTURE AND ENTERPRISE SERVICE BUS SHARE.

DISTRIBUTED SYSTEMS - ANDREW S. TANENBAUM 2016

THIS SECOND EDITION OF DISTRIBUTED SYSTEMS, PRINCIPLES & PARADIGMS, COVERS THE PRINCIPLES, ADVANCED CONCEPTS, AND TECHNOLOGIES OF DISTRIBUTED SYSTEMS IN DETAIL, INCLUDING: COMMUNICATION, REPLICATION, FAULT TOLERANCE, AND SECURITY. INTENDED FOR USE IN A SENIOR/GRADUATE LEVEL DISTRIBUTED SYSTEMS COURSE OR BY PROFESSIONALS, THIS TEXT SYSTEMATICALLY SHOWS HOW DISTRIBUTED SYSTEMS ARE DESIGNED AND IMPLEMENTED IN REAL SYSTEMS.

A FIRST COURSE IN DATABASE SYSTEMS - JEFFREY D. ULLMAN 2013-08-29

FOR DATABASE SYSTEMS AND DATABASE DESIGN AND APPLICATION COURSES OFFERED AT THE JUNIOR, SENIOR, AND GRADUATE LEVELS IN COMPUTER SCIENCE DEPARTMENTS. WRITTEN BY WELL-KNOWN COMPUTER SCIENTISTS, THIS ACCESSIBLE AND SUCCINCT INTRODUCTION TO DATABASE SYSTEMS FOCUSES ON DATABASE DESIGN AND USE. THE AUTHORS PROVIDE IN-DEPTH COVERAGE OF DATABASES FROM THE POINT OF VIEW OF THE DATABASE DESIGNER, USER, AND APPLICATION PROGRAMMER, LEAVING IMPLEMENTATION FOR LATER COURSES. IT IS THE FIRST DATABASE SYSTEMS TEXT TO COVER SUCH TOPICS AS UML, ALGORITHMS FOR MANIPULATING DEPENDENCIES IN RELATIONS, EXTENDED RELATIONAL ALGEBRA, PHP, 3-TIER ARCHITECTURES, DATA CUBES, XML, XPATH, XQUERY, XSLT. THE FULL TEXT DOWNLOADED TO YOUR COMPUTER WITH eBooks YOU CAN: SEARCH FOR KEY CONCEPTS, WORDS AND PHRASES MAKE HIGHLIGHTS AND NOTES AS YOU STUDY SHARE YOUR NOTES WITH FRIENDS eBooks ARE DOWNLOADED TO YOUR COMPUTER AND ACCESSIBLE EITHER OFFLINE THROUGH THE BOOKSHELF (AVAILABLE AS A FREE DOWNLOAD), AVAILABLE ONLINE AND ALSO VIA THE iPad AND ANDROID APPS. UPON PURCHASE, YOU'LL GAIN INSTANT ACCESS TO THIS eBook. TIME LIMIT THE eBooks PRODUCTS DO NOT HAVE AN EXPIRY DATE. YOU WILL CONTINUE TO ACCESS YOUR DIGITAL eBook PRODUCTS WHILST YOU HAVE YOUR BOOKSHELF INSTALLED.

DISTRIBUTED SYSTEMS: CONCEPTS AND DESIGN, 4/E - COULOURIS 2009

THE LEAN STARTUP - ERIC RIES 2011-09-13

MOST STARTUPS FAIL. BUT MANY OF THOSE FAILURES ARE PREVENTABLE. THE LEAN STARTUP IS A NEW APPROACH BEING ADOPTED ACROSS THE GLOBE, CHANGING THE WAY COMPANIES ARE BUILT AND NEW PRODUCTS ARE LAUNCHED. ERIC RIES DEFINES A STARTUP AS AN ORGANIZATION DEDICATED TO CREATING SOMETHING NEW UNDER CONDITIONS OF EXTREME UNCERTAINTY. THIS IS JUST AS TRUE FOR ONE PERSON IN A GARAGE OR A GROUP OF SEASONED PROFESSIONALS IN A FORTUNE 500 BOARDROOM. WHAT THEY HAVE IN COMMON IS A MISSION TO PENETRATE THAT FOG OF UNCERTAINTY TO DISCOVER A SUCCESSFUL PATH TO A SUSTAINABLE BUSINESS. THE LEAN STARTUP APPROACH FOSTERS COMPANIES THAT ARE BOTH MORE CAPITAL EFFICIENT AND THAT LEVERAGE HUMAN CREATIVITY MORE EFFECTIVELY. INSPIRED BY LESSONS FROM LEAN MANUFACTURING, IT RELIES ON “VALIDATED

LEARNING,” RAPID SCIENTIFIC EXPERIMENTATION, AS WELL AS A NUMBER OF COUNTER-INTUITIVE PRACTICES THAT SHORTEN PRODUCT DEVELOPMENT CYCLES, MEASURE ACTUAL PROGRESS WITHOUT RESORTING TO VANITY METRICS, AND LEARN WHAT CUSTOMERS REALLY WANT. IT ENABLES A COMPANY TO SHIFT DIRECTIONS WITH AGILITY, ALTERING PLANS INCH BY INCH, MINUTE BY MINUTE. RATHER THAN WASTING TIME CREATING ELABORATE BUSINESS PLANS, THE LEAN STARTUP OFFERS ENTREPRENEURS—IN COMPANIES OF ALL SIZES—a WAY TO TEST THEIR VISION CONTINUOUSLY, TO ADAPT AND ADJUST BEFORE IT'S TOO LATE. RIES PROVIDES A SCIENTIFIC APPROACH TO CREATING AND MANAGING SUCCESSFUL STARTUPS IN A AGE WHEN COMPANIES NEED TO INNOVATE MORE THAN EVER.

- SWETHAA S. BALLAKRISHNEN 2021-01-12

EXPLORING THE UNINTENTIONAL PRODUCTION OF SEEMINGLY FEMINIST OUTCOMES IN INDIA, ELITE LAW FIRMS OFFER A SURPRISING OASIS FOR WOMEN WITHIN A HOSTILE, PREDOMINANTLY MALE INDUSTRY. LESS THAN 10 PERCENT OF THE COUNTRY'S LAWYERS ARE FEMALE, BUT WOMEN IN THE MOST PRESTIGIOUS FIRMS ARE SIGNIFICANTLY REPRESENTED BOTH AT ENTRY AND PARTNERSHIP. ELITE WORKSPACES ARE NOTORIOUS FOR BEING UNFRIENDLY TO NEW ACTORS, SO WHAT ALLOWS FOR ABERRATION IN CERTAIN WORKSPACES? DRAWING FROM OBSERVATIONS AND INTERVIEWS WITH MORE THAN 130 ELITE PROFESSIONALS, ACCIDENTAL FEMINISM EXAMINES HOW A RANGE OF UNDERLYING MECHANISMS—GENDERED SOCIALIZATION AND ESSENTIALISM, FAMILY STRUCTURES AND DYNAMICS, AND FIRM AND REGULATORY HISTORIES—AFFORD CERTAIN PROFESSIONALS EGALITARIAN OUTCOMES THAT ARE NOT AVAILABLE TO THEIR LOCAL AND GLOBAL PEERS. JUXTAPOSING FINDINGS ON THE LEGAL PROFESSION WITH THOSE ON ELITE CONSULTING FIRMS, SWETHAA BALLAKRISHNEN REVEALS THAT PARITY ARISES NOT FROM A COMMITMENT TO CREATE FEMINIST ORGANIZATIONS, BUT FROM STRUCTURAL FACTORS THAT INCIDENTALLY COME TOGETHER TO DO GENDER DIFFERENTLY. SIMULTANEOUSLY, THEIR RESEARCH OFFERS NOTES OF CAUTION: WHILE CONDITIONAL CONVERGENCE MAY CREATE EQUALITY IN WAYS THAT MORE TARGETED ENDEAVORS FAIL TO ACHIEVE, “ACCIDENTAL” DEVELOPMENTS ARE HARD TO REPLICATE, AND ARE, IN THIS CASE, BUTTRESSED BY EMBEDDED INEQUALITIES. BALLAKRISHNEN EXAMINES WHETHER GENDER PARITY PRODUCED WITHOUT INSTITUTIONAL SANCTION SHOULD STILL BE CONSIDERED FEMINIST. IN OFFERING NEW WAYS TO THINK ABOUT EQUALITY MOVEMENTS AND OUTCOMES, ACCIDENTAL FEMINISM FORCES READERS TO CRITICALLY CONSIDER THE WORK OF INTENTION IN PROGRESS NARRATIVES.

EXPERIMENTAL AND QUASI-EXPERIMENTAL DESIGNS FOR RESEARCH - DONALD T. CAMPBELL 2015-09-03

WE SHALL EXAMINE THE VALIDITY OF 16 EXPERIMENTAL DESIGNS AGAINST 12 COMMON THREATS TO VALID INFERENCE. BY EXPERIMENT WE REFER TO THAT PORTION OF RESEARCH IN WHICH VARIABLES ARE MANIPULATED AND THEIR EFFECTS UPON OTHER VARIABLES OBSERVED. IT IS WELL TO DISTINGUISH THE PARTICULAR ROLE OF THIS CHAPTER. IT IS NOT A CHAPTER ON EXPERIMENTAL DESIGN IN THE FISHER (1925, 1935) TRADITION, IN WHICH AN EXPERIMENTER HAVING COMPLETE MASTERY CAN SCHEDULE TREATMENTS AND MEASUREMENTS FOR OPTIMAL STATISTICAL EFFICIENCY, WITH COMPLEXITY OF DESIGN EMERGING ONLY FROM THAT GOAL OF EFFICIENCY. INsofar AS THE DESIGNS DISCUSSED IN THE PRESENT CHAPTER BECOME COMPLEX, IT IS BECAUSE OF THE INTRANSIGENCY OF THE ENVIRONMENT: BECAUSE, THAT IS, OF THE EXPERIMENTER'S LACK OF COMPLETE CONTROL.