

Websphere Lab Jam Connectivity Websphere Datapower

RECOGNIZING THE MANNERISM WAYS TO GET THIS EBOOK **WEBSHERE LAB JAM CONNECTIVITY WEBSHERE DATAPOWER** IS ADDITIONALLY USEFUL. YOU HAVE REMAINED IN RIGHT SITE TO BEGIN GETTING THIS INFO. GET THE WEBSHERE LAB JAM CONNECTIVITY WEBSHERE DATAPOWER COLLEAGUE THAT WE MANAGE TO PAY FOR HERE AND CHECK OUT THE LINK.

YOU COULD PURCHASE LEAD WEBSHERE LAB JAM CONNECTIVITY WEBSHERE DATAPOWER OR GET IT AS SOON AS FEASIBLE. YOU COULD SPEEDILY DOWNLOAD THIS WEBSHERE LAB JAM CONNECTIVITY WEBSHERE DATAPOWER AFTER GETTING DEAL. SO, TAKING INTO ACCOUNT YOU REQUIRE THE EBOOK SWIFTLY, YOU CAN STRAIGHT GET IT. ITS APPROPRIATELY UTTERLY EASY AND THUS FATS, ISNT IT? YOU HAVE TO FAVOR TO IN THIS IMPRESSION

DATA ANALYTICS IN MARKETING, ENTREPRENEURSHIP, AND INNOVATION - MOUNIR KEHAL 2021-01-12

INNOVATION BASED IN DATA ANALYTICS IS A CONTEMPORARY APPROACH TO DEVELOPING EMPIRICALLY SUPPORTED ADVANCES THAT ENCOURAGE ENTREPRENEURIAL ACTIVITY INSPIRED BY NOVEL MARKETING INFERENCES. DATA ANALYTICS IN MARKETING, ENTREPRENEURSHIP, AND INNOVATION COVERS TECHNIQUES, PROCESSES, MODELS, TOOLS, AND PRACTICES FOR CREATING BUSINESS OPPORTUNITIES THROUGH DATA ANALYTICS. IT FEATURES CASE STUDIES THAT PROVIDE REALISTIC EXAMPLES OF APPLICATIONS. THIS MULTIFACETED EXAMINATION OF DATA ANALYTICS LOOKS AT: BUSINESS ANALYTICS APPLYING PREDICTIVE ANALYTICS USING DISCRETE CHOICE ANALYSIS FOR DECISION-MAKING MARKETING AND CUSTOMER ANALYTICS DEVELOPING NEW PRODUCTS TECHNOPRENEURSHIP DISRUPTIVE VERSUS INCREMENTAL INNOVATION THE BOOK GIVES RESEARCHERS AND PRACTITIONERS INSIGHT INTO HOW DATA ANALYTICS IS USED IN THE AREAS OF INNOVATION, ENTREPRENEURSHIP, AND MARKETING. INNOVATION ANALYTICS HELPS IDENTIFY OPPORTUNITIES TO DEVELOP NEW PRODUCTS AND SERVICES, AND IMPROVE EXISTING METHODS OF PRODUCT MANUFACTURING AND SERVICE DELIVERY. ENTREPRENEURIAL ANALYTICS FACILITATES THE TRANSFORMATION OF INNOVATIVE IDEAS INTO STRATEGY AND HELPS ENTREPRENEURS MAKE CRITICAL DECISIONS BASED ON DATA-DRIVEN TECHNIQUES. MARKETING ANALYTICS IS USED IN COLLECTING, MANAGING, ASSESSING, AND ANALYZING MARKETING DATA TO PREDICT TRENDS, INVESTIGATE CUSTOMER PREFERENCES, AND LAUNCH CAMPAIGNS.

WIRELESS SENSOR NETWORKS - KAZEM SOHRABY 2007-04-06

INFRASTRUCTURE FOR HOMELAND SECURITY ENVIRONMENTS WIRELESS SENSOR NETWORKS HELPS READERS DISCOVER THE EMERGING FIELD OF LOW-COST STANDARDS-BASED SENSORS THAT PROMISE A HIGH ORDER OF SPATIAL AND TEMPORAL RESOLUTION AND ACCURACY IN AN EVER-INCREASING UNIVERSE OF APPLICATIONS. IT SHARES THE LATEST ADVANCES IN SCIENCE AND ENGINEERING PAVING THE WAY TOWARDS A LARGE PLETHORA OF NEW APPLICATIONS IN SUCH AREAS AS INFRASTRUCTURE PROTECTION AND SECURITY, HEALTHCARE, ENERGY, FOOD SAFETY, RFID, ZIGBEE, AND PROCESSING. UNLIKE OTHER BOOKS ON WIRELESS SENSOR NETWORKS THAT FOCUS ON LIMITED TOPICS IN THE FIELD, THIS BOOK IS A BROAD INTRODUCTION THAT COVERS ALL THE MAJOR TECHNOLOGY, STANDARDS, AND APPLICATION TOPICS. IT CONTAINS EVERYTHING READERS NEED TO KNOW TO ENTER THIS BURGEONING FIELD, INCLUDING CURRENT APPLICATIONS AND PROMISING RESEARCH AND DEVELOPMENT; COMMUNICATION AND NETWORKING PROTOCOLS; MIDDLEWARE ARCHITECTURE FOR WIRELESS SENSOR NETWORKS; AND SECURITY AND MANAGEMENT. THE STRAIGHTFORWARD AND ENGAGING WRITING STYLE OF THIS BOOK MAKES EVEN COMPLEX CONCEPTS AND PROCESSES EASY TO FOLLOW AND UNDERSTAND. IN ADDITION, IT OFFERS SEVERAL FEATURES THAT HELP READERS GRASP THE MATERIAL AND THEN APPLY THEIR KNOWLEDGE IN DESIGNING THEIR OWN WIRELESS SENSOR NETWORK SYSTEMS: * EXAMPLES ILLUSTRATE HOW CONCEPTS ARE APPLIED TO THE DEVELOPMENT AND APPLICATION OF * WIRELESS SENSOR NETWORKS * DETAILED CASE STUDIES SET FORTH ALL THE STEPS OF DESIGN AND IMPLEMENTATION NEEDED TO SOLVE REAL-WORLD PROBLEMS * CHAPTER CONCLUSIONS THAT SERVE AS AN EXCELLENT REVIEW BY STRESSING THE CHAPTER'S KEY CONCEPTS * REFERENCES IN EACH CHAPTER GUIDE READERS TO IN-DEPTH DISCUSSIONS OF INDIVIDUAL TOPICS THIS BOOK IS IDEAL FOR NETWORKING DESIGNERS AND ENGINEERS WHO WANT TO FULLY EXPLOIT THIS NEW TECHNOLOGY AND FOR GOVERNMENT EMPLOYEES WHO ARE CONCERNED ABOUT HOMELAND SECURITY. WITH ITS EXAMPLES, IT IS APPROPRIATE FOR USE AS A COURSEBOOK FOR UPPER-LEVEL UNDERGRADUATES AND GRADUATE STUDENTS.

ICT EDUCATION - BOBBY TAIT 2019-11-22

THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE 48TH ANNUAL CONFERENCE OF THE SOUTHERN AFRICAN COMPUTER LECTURERS' ASSOCIATION ON ICT EDUCATION, SACLA 2019, HELD IN NORTHERN DRAKENSBURG, SOUTH AFRICA, IN JULY 2019. THE 16 REVISED FULL PAPERS PRESENTED WERE CAREFULLY REVIEWED AND SELECTED FROM 57 SUBMISSIONS. THE PAPERS ARE ORGANIZED IN FOLLOWING TOPICAL SECTIONS: COMPUTER PROGRAMMING EDUCATION; SYSTEM SECURITY EDUCATION; SOFTWARE ENGINEERING EDUCATION; EDUCATION OF POST-GRADUATE RESEARCH-STUDENTS; OUR STUDENTS, OUR PROFESSION.

SECURING ELECTRICITY SUPPLY IN THE CYBER AGE - ZOFIA LUKSZO 2009-12-31

THIS BOOK PRESENTS THE CONTRIBUTIONS FROM A WORKSHOP ENTITLED "ELECTRICITY SECURITY IN THE CYBER AGE: MANAGING THE INCREASING DEPENDENCE OF THE ELECTRICITY INFRASTRUCTURE ON ICT," WHICH WAS ORGANIZED IN THE NETHERLANDS IN MAY 2009.

THE TRUTHFUL ART - ALBERTO CAIRO 2016-02-08

NO MATTER WHAT YOUR ACTUAL JOB TITLE, YOU ARE—OR SOON WILL BE—A DATA WORKER. EVERY DAY, AT WORK, HOME, AND SCHOOL, WE ARE BOMBARDED WITH VAST AMOUNTS OF FREE DATA COLLECTED AND SHARED BY EVERYONE AND EVERYTHING FROM OUR CO-WORKERS TO OUR CALORIE COUNTERS. IN THIS HIGHLY ANTICIPATED FOLLOW-UP TO THE FUNCTIONAL ART—ALBERTO CAIRO'S FOUNDATIONAL GUIDE TO UNDERSTANDING INFORMATION GRAPHICS AND VISUALIZATION—THE RESPECTED DATA VISUALIZATION PROFESSOR EXPLAINS IN CLEAR TERMS HOW TO WORK WITH DATA, DISCOVER THE STORIES HIDDEN WITHIN, AND SHARE THOSE STORIES WITH THE WORLD IN THE FORM OF CHARTS, MAPS, AND INFOGRAPHICS. IN THE TRUTHFUL ART, CAIRO TRANSFORMS ELEMENTARY

PRINCIPLES OF DATA AND SCIENTIFIC REASONING INTO TOOLS THAT YOU CAN USE IN DAILY LIFE TO INTERPRET DATA SETS AND EXTRACT STORIES FROM THEM. THE TRUTHFUL ART EXPLAINS: • THE ROLE INFOGRAPHICS AND DATA VISUALIZATION PLAY IN OUR WORLD • BASIC PRINCIPLES OF DATA AND SCIENTIFIC REASONING THAT ANYONE CAN MASTER • HOW TO BECOME A BETTER CRITICAL THINKER • STEP-BY-STEP PROCESSES THAT WILL HELP YOU EVALUATE ANY DATA VISUALIZATION (INCLUDING YOUR OWN) • HOW TO CREATE AND USE EFFECTIVE CHARTS, GRAPHS, AND DATA MAPS TO EXPLAIN DATA TO ANY AUDIENCE THE TRUTHFUL ART IS ALSO PACKED WITH INSPIRATIONAL AND EDUCATIONAL REAL-WORLD EXAMPLES OF DATA VISUALIZATIONS FROM SUCH LEADING PUBLICATIONS AS THE NEW YORK TIMES, THE WALL STREET JOURNAL, ESTADO DE SÃO PAULO (BRAZIL), BERLINER MORGENPOST (GERMANY), AND MANY MORE. **DEEP SPACE TELECOMMUNICATIONS SYSTEMS ENGINEERING** - JOSEPH H. YUEN 2013-04-17

THE CHALLENGE OF COMMUNICATION IN PLANETARY EXPLORATION HAS BEEN UNUSUAL. THE GUIDANCE AND CONTROL OF SPACECRAFT DEPEND ON RELIABLE COMMUNICATION. SCIENTIFIC DATA RETURNED TO EARTH ARE IRREPLACEABLE, OR REPLACEABLE ONLY AT THE COST OF ANOTHER MISSION. IN DEEP SPACE, COMMUNICATIONS PROPAGATION IS GOOD, RELATIVE TO TERRESTRIAL COMMUNICATIONS, AND THERE IS AN OPPORTUNITY TO PRESS TOWARD THE MATHEMATICAL LIMIT OF MICROWAVE COMMUNICATION. YET THE LIMITS MUST BE APPROACHED WARILY, WITH RELIABILITY AS WELL AS CHANNEL CAPACITY IN MIND. FURTHER, THE EFFECTS OF SMALL CHANGES IN THE EARTH'S ATMOSPHERE AND THE INTERPLANETARY PLASMA HAVE SMALL BUT IMPORTANT EFFECTS ON PROPAGATION TIME AND HENCE ON THE MEASUREMENT OF DISTANCE. ADVANCES ARE ALMOST INCREDIBLE. COMMUNICATION CAPABILITY MEASURED IN 18 BITS PER SECOND AT A GIVEN RANGE ROSE BY A FACTOR OF 10 IN THE 19 YEARS FROM EXPLORER I OF 1958 TO VOYAGER OF 1977. THIS IMPROVEMENT WAS ATTAINED THROUGH INGENUOUS DESIGN BASED ON THE SORT OF PENETRATING ANALYSIS SET FORTH IN THIS BOOK BY ENGINEERS WHO TOOK PART IN A HIGHLY DETAILED AND AMAZINGLY SUCCESSFUL PRO GRAM. CAREFUL OBSERVATION AND ANALYSIS HAVE TOLD US MUCH ABOUT LIMITATIONS ON THE ACCURATE MEASUREMENT OF DISTANCE. IT IS NOT EASY TO GET BUSY PEOPLE TO TELL OTHERS CLEARLY AND IN DETAIL HOW THEY HAVE SOLVED IMPORTANT PROBLEMS. JOSEPH H. YUEN AND THE OTHER CONTRIBUTORS TO THIS BOOK ARE TO BE COMMENDED FOR THE TIME AND CARE THEY HAVE DEVOTED TO EXPLICATING ONE VITAL ASPECT OF A GREAT ADVENTURE OF MANKIND.

HYBRID CLOUD DATA AND API INTEGRATION: INTEGRATE YOUR ENTERPRISE AND CLOUD WITH BLUEMIX INTEGRATION SERVICES - SRINIVAS CHEEMALAPATI 2016-02-19

IBM® HYBRID INTEGRATION SERVICES IS A SET OF HYBRID CLOUD CAPABILITIES IN IBM BLUEMIX™ THAT ALLOWS BUSINESSES TO INNOVATE RAPIDLY WHILE, AT THE SAME TIME, PROVIDING IT CONTROL AND VISIBILITY. IT ALLOWS CUSTOMERS TO QUICKLY AND EASILY BUILD AND OPERATE SYSTEMS THAT MIX DATA AND APPLICATION PROGRAMMING INTERFACES (APIS) FROM A WIDE VARIETY OF SOURCES, WHETHER THEY RESIDE ON-PREMISES OR IN THE CLOUD. IN MANY CASES, YOU WANT TO EXPOSE YOUR IT ASSETS FROM YOUR PRIVATE CLOUD AS APIS AND AT THE SAME TIME HAVE BEST OVERALL MANAGEABILITY AND CONTROL OF WHO USES YOUR ASSETS AND HOW. BLUEMIX PROVIDES A SET OF SERVICES SUCH AS SECURE GATEWAY, API MANAGEMENT, CONNECT AND COMPOSE, DATAWORKS, AND API CATALOG, WHICH ENABLE HYBRID CLOUD INTEGRATION CAPABILITIES. THIS IBM REDBOOKS® PUBLICATION PROVIDES PREFERRED PRACTICES AROUND DEVELOPING CLOUD SOLUTIONS USING THESE HYBRID INTEGRATION SERVICES THAT HELP YOU MAINTAIN DATA CONSISTENCY, MANAGEABILITY, AND SECURITY FOR CRITICAL TRANSACTIONS.

DATAPOWER ARCHITECTURAL DESIGN PATTERNS - 2008-01-01

DIGITAL TRANSFORMATION AND ETHICS - PETER G. KIRCHSCHLAGER 2021-03

THE DIGITALIZATION, ROBOTIZATION, AND AUTOMATIZATION OF SOCIETY AND OF ECONOMY AND THE USE OF ARTIFICIAL INTELLIGENCE EMBRACE CHANCES AND CHALLENGES FROM AN ETHICAL PERSPECTIVE. DUE TO THEIR MORAL CAPABILITY TECHNOLOGICAL PROGRESS MUST RECEIVE ITS ETHICAL ORIENTATION FROM HUMANS. THIS BOOK DISCUSSES DIGITAL TRANSFORMATION FROM AN ETHICAL STANDPOINT. AFTER AN INTRODUCTION ON THE CORRELATION BETWEEN MORALITY AND TECHNOLOGY AND AN ASSESSMENT OF THE MORAL CAPABILITY OF TECHNOLOGIES, THE BOOK INTRODUCES IN A FIRST PART ETHICAL PRINCIPLES SERVING THE EVALUATION OF THE DIGITAL TRANSFORMATION OF SOCIETY AND OF ECONOMY AND THE USE OF ARTIFICIAL INTELLIGENCE. IN A SECOND PART, THE DIGITAL TRANSFORMATION AND ITS CHANCES AND CHALLENGES ARE ANALYZED FROM AN ETHICAL PERSPECTIVE. IN A THIRD PART, ETHICAL APPROACHES ADDRESSING THE CHALLENGES ARE DEVELOPED. ONE OF THE RESEARCH-FOCUSES OF PETER G. KIRCHSCHLAGER (DEPARTMENT OF THEOLOGY AT THE UNIVERSITY OF LUCERNE AND VISITING FELLOW AT YALE UNIVERSITY) LIES ON DIGITALIZATION, ROBOTIZATION, AND AUTOMATIZATION OF SOCIETY AND OF ECONOMY AND THE USE OF ARTIFICIAL INTELLIGENCE FROM AN ETHICAL PERSPECTIVE.

INTERNET OF THINGS IN SMART TECHNOLOGIES FOR SUSTAINABLE URBAN DEVELOPMENT - G. R. KANAGACHIDAMBARESAN 2020-04-29

THIS BOOK PROVIDES SOLUTION FOR CHALLENGES FACING ENGINEERS IN URBAN ENVIRONMENTS LOOKING TOWARDS SMART DEVELOPMENT AND IoT. THE AUTHORS ADDRESS THE CHALLENGES FACED IN DEVELOPING SMART APPLICATIONS ALONG WITH THE SOLUTIONS. TOPICS ADDRESSED INCLUDE RELIABILITY, SECURITY AND FINANCIAL ISSUES IN RELATION TO ALL THE SMART AND SUSTAINABLE DEVELOPMENT SOLUTIONS DISCUSSED. THE SOLUTIONS THEY PROVIDE ARE AFFORDABLE, RESISTIVE TO THREATS, AND PROVIDE HIGH RELIABILITY. THE BOOK PERTAINS TO RESEARCHERS, ACADEMICS, PROFESSIONALS, AND STUDENTS. PROVIDES SOLUTIONS TO URBAN SUSTAINABLE DEVELOPMENT PROBLEMS FACING ENGINEERS IN DEVELOPING AND DEVELOPED COUNTRIES DISCUSSES RESULTS WITH INDUSTRIAL PROBLEMS AND CURRENT ISSUES IN SMART CITY DEVELOPMENT INCLUDES SOLUTIONS THAT ARE RELIABLE, SECURE AND FINANCIALLY SOUND

RASPBERRY PI LED BLUEPRINTS - AGUS KURNIAWAN 2015-09-24

DESIGN, BUILD, AND TEST LED-BASED PROJECTS USING THE RASPBERRY PI ABOUT THIS BOOK IMPLEMENT REAL LED-BASED PROJECTS FOR RASPBERRY PI LEARN TO INTERFACE VARIOUS LED MODULES SUCH AS LEDs, 7-SEGMENT, 4-DIGITS 7 SEGMENT, AND DOT MATRIX TO RASPBERRY PI GET HANDS-ON EXPERIENCE BY EXPLORING REAL-TIME LEDs WITH THIS PROJECT-BASED BOOK WHO THIS BOOK IS FOR THIS BOOK IS FOR THOSE WHO WANT TO LEARN HOW TO BUILD RASPBERRY PI PROJECTS UTILISING LEDs, 7 SEGMENT, 4-DIGITS 7 SEGMENT, AND DOT MATRIX MODULES. YOU ALSO WILL LEARN TO IMPLEMENT THOSE MODULES IN REAL APPLICATIONS, INCLUDING INTERFACING WITH WIRELESS MODULES AND THE ANDROID MOBILE APP. HOWEVER, YOU DON'T NEED TO HAVE ANY PREVIOUS EXPERIENCE WITH THE RASPBERRY PI OR ANDROID PLATFORMS. WHAT YOU WILL LEARN CONTROL LEDs, 7 SEGMENTS, AND 4-DIGITS 7 SEGMENT FROM A RASPBERRY PI EXPAND RASPBERRY PI'S GPIO BUILD A COUNTDOWN TIMER BUILD A DIGITAL CLOCK DISPLAY DISPLAY NUMBERS AND CHARACTERS ON DOT MATRIX DISPLAYS BUILD A TRAFFIC LIGHT CONTROLLER BUILD A REMOTE HOME LIGHT CONTROL WITH A BLUETOOTH LOW ENERGY MODULE AND ANDROID BUILD MOBILE INTERNET-CONTROLLED LAMPS WITH A WIRELESS MODULE AND ANDROID IN DETAIL BLINKING LED IS A POPULAR APPLICATION WHEN GETTING STARTED IN EMBEDDED DEVELOPMENT. BY CUSTOMIZING AND UTILISING LED-BASED MODULES INTO THE RASPBERRY PI BOARD, EXCITING PROJECTS CAN BE OBTAINED. A COUNTDOWN TIMER, A DIGITAL CLOCK, A TRAFFIC LIGHT CONTROLLER, AND A REMOTE LIGHT CONTROLLER ARE A LIST OF LED-BASED INSPIRED PROJECT SAMPLES FOR RASPBERRY PI. AN LED IS A SIMPLE ACTUATOR DEVICE THAT DISPLAYS LIGHTING AND CAN BE CONTROLLED EASILY FROM A RASPBERRY PI. THIS BOOK WILL PROVIDE YOU WITH THE ABILITY TO CONTROL LEDs FROM RASPBERRY PI, STARTING FROM DESCRIBING AN IDEA THROUGH DESIGNING AND IMPLEMENTING SEVERAL PROJECTS BASED ON LEDs, SUCH AS, 7-SEGMENTS, 4-DIGITS 7 SEGMENT, AND DOT MATRIX DISPLAYS. BEGINNING WITH STEP-BY-STEP INSTRUCTIONS ON INSTALLATION AND CONFIGURATION, THIS BOOK CAN EITHER BE READ FROM COVER TO COVER OR TREATED AS AN ESSENTIAL REFERENCE COMPANION TO YOUR RASPBERRY PI. SAMPLES FOR THE PROJECT APPLICATION ARE PROVIDED SUCH AS A COUNTDOWN TIMER, A DIGITAL CLOCK, A TRAFFIC LIGHT CONTROLLER, A REMOTE LIGHT CONTROLLER, AND AN LED-BASED INTERNET OF THINGS, SO YOU GET MORE PRACTICE IN THE ART OF RASPBERRY PI DEVELOPMENT. RASPBERRY PI LED BLUEPRINTS IS AN ESSENTIAL REFERENCE GUIDE FULL OF PRACTICAL SOLUTIONS TO HELP YOU BUILD LED-BASED APPLICATIONS. STYLE AND APPROACH THIS BOOK FOLLOWS A STEP-BY-STEP APPROACH TO LED-BASED DEVELOPMENT FOR RASPBERRY PI, EXPLAINED IN A CONVERSATIONAL AND EASY-TO-FOLLOW STYLE. EACH TOPIC IS EXPLAINED SEQUENTIALLY IN THE PROCESS OF BUILDING AN APPLICATION, AND DETAILED EXPLANATIONS OF THE BASIC AND ADVANCED FEATURES ARE INCLUDED.

WEAPON SYSTEMS HANDBOOK - 2020-05-03

JULY 2019 PRINTED IN BLACK AND WHITE THE ARMY'S WEAPON SYSTEMS HANDBOOK WAS UPDATED IN JULY 2019, BUT IS STILL TITLED "WEAPON SYSTEMS HANDBOOK 2018." WE ARE PRINTING THIS IN BLACK AND WHITE TO KEEP THE PRICE LOW. IT PRESENTS MANY OF THE ACQUISITION PROGRAMS CURRENTLY FIELD OR IN DEVELOPMENT. THE U.S. ARMY ACQUISITION CORPS, WITH ITS 36,000 PROFESSIONALS, BEARS A UNIQUE RESPONSIBILITY FOR THE OVERSIGHT AND SYSTEMS MANAGEMENT OF THE ARMY'S ACQUISITION LIFECYCLE. WITH RESPONSIBILITY FOR HUNDREDS OF ACQUISITION PROGRAMS, CIVILIAN AND MILITARY PROFESSIONALS COLLECTIVELY OVERSEE RESEARCH, DEVELOPMENT AND ACQUISITION ACTIVITIES TOTALING MORE THAN \$20 BILLION IN FISCAL YEAR 2016 ALONE. WHY BUY A BOOK YOU CAN DOWNLOAD FOR FREE? WE PRINT THIS SO YOU DON'T HAVE TO. WE AT 4TH WATCH PUBLISHING ARE FORMER GOVERNMENT EMPLOYEES, SO WE KNOW HOW GOVERNMENT EMPLOYEES ACTUALLY USE THE STANDARDS. WHEN A NEW STANDARD IS RELEASED, SOMEBODY HAS TO PRINT IT, PUNCH HOLES AND PUT IT IN A 3-RING BINDER. WHILE THIS IS NOT A BIG DEAL FOR A 5 OR 10-PAGE DOCUMENT, MANY DoD DOCUMENTS ARE OVER 400 PAGES AND PRINTING A LARGE DOCUMENT IS A TIME-CONSUMING EFFORT. SO, A PERSON THAT'S PAID \$25 AN HOUR IS SPENDING HOURS SIMPLY PRINTING OUT THE TOOLS NEEDED TO DO THE JOB. THAT'S TIME THAT COULD BE BETTER SPENT DOING MISSION. WE PUBLISH THESE DOCUMENTS SO YOU CAN FOCUS ON WHAT YOU ARE THERE FOR. IT'S MUCH MORE COST-EFFECTIVE TO JUST ORDER THE LATEST VERSION FROM AMAZON.COM. SDVOSB IF THERE IS A STANDARD YOU WOULD LIKE PUBLISHED, LET US KNOW. OUR WEB SITE IS USGOVPUB.COM

MASTERING E-BUSINESS INFRASTRUCTURE - VELJKO MILUTINOVIC 2012-12-06

AS A FOREWORD, HERE WE PUBLISH AN EMAIL LETTER OF LATE PROFESSOR HERB SIMON, NOBEL LAUREATE, THAT HE WROTE ON THE OCCASION OF THE DEATH OF THE FATHER OF A FRIEND. THIS LETTER OF CONDOLENCE, MORE THAN ANY OTHER WISDOM, TELLS ABOUT THE ESSENCE OF THE PROCESS OF SCIENTIFIC CREATION, WHICH IS SO IMPORTANT FOR BOTH, THE SPECIFIC SUBJECT BEING COVERED BY THIS BOOK, AND FOR THE GENERAL SCIENCE. WHEN ASKED TO ADDRESS AN SSGRR CONFERENCE IN ITALY, PRIOR TO HIS DEATH, PROFESSOR HERB SIMON AGREED THAT THESE LINES BE PRESENTED TO ALL THOSE WHO ARE INTERESTED IN UNDERSTANDING THE REAL ESSENCE OF THEIR OWN SCIENTIFIC STRUGGLE. DEAR PROFESSOR MILUTINOVIC: I WANT TO EXTEND MY DEEPEST SYMPATHY TO YOU AND YOUR FAMILY ON THE DEATH OF YOUR FATHER. HIS CAREER WAS A VERY DISTINGUISHED ONE, AND HIS LIFE SPANNED A MOST COMPLEX AND DIFFICULT SEQUENCE OF EPOCHS IN YOUR COUNTRY'S HISTORY. OUR GENERATION (I AM JUST A YEAR YOUNGER THAN HE WAS), LIKE ALL ITS PREDECESSORS, LEAVES MANY TASKS - HOPEFULLY NO MORE THAN IT INHERITED - FOR THE NEXT GENERATION TO TAKE UP; BUT EVEN KNOWING THAT IT MUST BE SO DOES NOT REMOVE ONE'S SENSE OF LOSS IN THE PARTING.

RESPONSIVE MOBILE USER EXPERIENCE USING MQTT AND IBM MESSAGE SIGHT - WHEI-JEN CHEN 2014-03-26

IBM® MESSAGE SIGHT IS AN APPLIANCE-BASED MESSAGING SERVER THAT IS OPTIMIZED TO ADDRESS THE MASSIVE SCALE REQUIREMENTS OF MACHINE-TO-MACHINE (M2M) AND MOBILE USER SCENARIOS. IBM MESSAGE SIGHT MAKES IT EASY TO CONNECT MOBILE CUSTOMERS TO YOUR EXISTING MESSAGING ENTERPRISE SYSTEM, ENABLING A SUBSTANTIAL NUMBER OF REMOTE CLIENTS TO BE CONCURRENTLY CONNECTED. THE MQTT PROTOCOL IS A LIGHTWEIGHT MESSAGING PROTOCOL THAT USES PUBLISH/SUBSCRIBE ARCHITECTURE TO DELIVER MESSAGES OVER LOW BANDWIDTH OR UNRELIABLE NETWORKS. A PUBLISH/SUBSCRIBE ARCHITECTURE WORKS WELL FOR HTML5, NATIVE, AND HYBRID MOBILE APPLICATIONS BY REMOVING THE WAIT TIME OF A REQUEST/RESPONSE MODEL. THIS CREATES A BETTER, RICHER USER EXPERIENCE. THE MQTT PROTOCOL IS SIMPLE, WHICH RESULTS IN A CLIENT LIBRARY WITH A LOW FOOTPRINT. MQTT WAS PROPOSED AS AN ORGANIZATION FOR THE ADVANCEMENT OF STRUCTURED INFORMATION STANDARDS (OASIS) STANDARD. THIS BOOK PROVIDES INFORMATION ABOUT VERSION 3.1 OF THE MQTT SPECIFICATION. THIS IBM REDBOOKS® PUBLICATION PROVIDES INFORMATION ABOUT HOW IBM MESSAGE SIGHT, IN COMBINATION WITH MQTT, FACILITATES THE EXPANSION OF ENTERPRISE SYSTEMS TO INCLUDE MOBILE DEVICES AND M2M COMMUNICATIONS. THIS BOOK ALSO OUTLINES HOW TO CONNECT IBM MESSAGE SIGHT TO AN EXISTING INFRASTRUCTURE, EITHER THROUGH THE USE OF IBM WEBSHERE® MQ CONNECTIVITY OR THE IBM INTEGRATION BUS (FORMERLY KNOWN AS WEBSHERE MESSAGE BROKER). THIS BOOK DESCRIBES IBM MESSAGE SIGHT PRODUCT FEATURES AND FACILITIES THAT ARE RELEVANT TO TECHNICAL PERSONNEL, SUCH AS SYSTEM ARCHITECTS, TO HELP THEM MAKE INFORMED DESIGN DECISIONS REGARDING THE INTEGRATION OF THE MESSAGING APPLIANCE INTO THEIR ENTERPRISE ARCHITECTURE. USING A SCENARIO-BASED APPROACH, YOU LEARN HOW TO DEVELOP A MOBILE APPLICATION, AND HOW TO INTEGRATE IBM MESSAGE SIGHT WITH OTHER IBM PRODUCTS. THIS PUBLICATION IS INTENDED TO BE OF USE TO A WIDE-RANGING AUDIENCE.

BUSINESS INTELLIGENCE FOR DUMMIES - SWAIN SCHEPS 2011-02-04

YOU'RE INTELLIGENT, RIGHT? SO YOU'VE ALREADY FIGURED OUT THAT BUSINESS INTELLIGENCE CAN BE PRETTY VALUABLE IN MAKING THE RIGHT DECISIONS ABOUT YOUR BUSINESS. BUT YOU'VE HEARD AT LEAST A DOZEN DEFINITIONS OF WHAT IT IS, AND HEARD OF AT LEAST THAT MANY BI TOOLS. WHERE DO YOU START? BUSINESS INTELLIGENCE FOR DUMMIES MAKES BI UNDERSTANDABLE! IT TAKES YOU STEP BY STEP THROUGH THE TECHNOLOGIES AND THE ALPHABET SOUP, SO YOU CAN CHOOSE THE RIGHT TECHNOLOGY AND IMPLEMENT A SUCCESSFUL BI ENVIRONMENT. YOU'LL SEE HOW THE APPLICATIONS AND TECHNOLOGIES WORK TOGETHER TO ACCESS, ANALYZE, AND PRESENT DATA THAT YOU CAN USE TO MAKE BETTER DECISIONS ABOUT YOUR PRODUCTS, CUSTOMERS, COMPETITORS, AND MORE. YOU'LL FIND OUT HOW TO: UNDERSTAND THE PRINCIPLES AND PRACTICAL ELEMENTS OF BI DETERMINE WHAT YOUR BUSINESS NEEDS COMPARE DIFFERENT APPROACHES TO BI BUILD A SOLID BI ARCHITECTURE AND ROADMAP DESIGN, DEVELOP, AND DEPLOY YOUR BI PLAN RELATE BI TO DATA WAREHOUSING, ERP, CRM, AND E-COMMERCE ANALYZE EMERGING TRENDS AND DEVELOPING BI TOOLS TO SEE WHAT ELSE MAY BE USEFUL WHETHER YOU'RE THE BUSINESS OWNER OR THE PERSON CHARGED WITH DEVELOPING AND IMPLEMENTING A BI STRATEGY, CHECKING OUT BUSINESS INTELLIGENCE FOR DUMMIES IS A GOOD BUSINESS DECISION.

CREATING HYBRID CLOUDS WITH IBM BLUEMIX INTEGRATION SERVICES - DAVID KWOCK 2016-01-20

A HYBRID CLOUD IS CONSIDERED AS THE INTEGRATION OF MULTIPLE CLOUDS THAT ARE ALIGNED TO THE UNIQUE CHARACTERISTICS OF DIFFERENT SYSTEM TYPES. IBM® DEFINES A HYBRID CLOUD AS A SECURE CLOUD COMPUTING ENVIRONMENT THAT USES SERVICES FROM TWO OR MORE SOURCES, SUCH AS A PRIVATE CLOUD, PUBLIC CLOUD, OR TRADITIONAL IT SOURCES. A HYBRID CLOUD TRANSFORMS ROLES THROUGHOUT THE ORGANIZATION AND ALLOWS BUSINESS LEADERS AND DEVELOPERS TO INNOVATE EFFICIENTLY AND FASTER. APPLICATIONS THAT ARE BUILT AROUND A HYBRID CLOUD INFRASTRUCTURE TYPICALLY REVOLVE AROUND AT LEAST ONE OF THE FOLLOWING PILLARS OF HYBRID INTEGRATION: API-CENTRIC APPLICATIONS DATA-CENTRIC APPLICATIONS EVENT-CENTRIC APPLICATIONS THIS IBM REDBOOKS® SOLUTION GUIDE DESCRIBES BLUEMIX® INTEGRATION SERVICES AND HOW TO USE THEM TO CONNECT BLUEMIX APPLICATIONS TO ON-PREMISE SYSTEMS.

HARNESSING THE POWER OF WISDOM FROM DATA TO WISDOM - ANDREW TARGOWSKI 2013

THIS BOOK IS THE FIRST OF ITS KIND WHICH DEFINES WISDOM AS INFORMATION AND THE HIGHEST LEVEL OF THE COGNITION UNITS SET, COMPOSED OF DATA, INFORMATION, CONCEPT, KNOWLEDGE AND WISDOM. THE AUTHOR HAS FOUNDED HIS THEORY OF WISDOM ON THE FOLLOWING ASSUMPTIONS: ANY SANE PERSON CAN MAKE WISE DECISIONS THROUGHOUT THEIR LIFETIME, FROM CHILDHOOD TO OLD AGE; WISE DECISIONS NEED NOT BE EXPERT IN NATURE; WISDOM OUGHT TO BE DEFINED IN SUCH TERMS AS TO BE UNDERSTOOD NOT ONLY BY EXPERTS BUT BY AN AVERAGE MAN; WISDOM IS NOT SYNONYMOUS TO INTELLIGENCE; THE WISDOM OF A GIVEN HUMAN BEING DECIDES BETWEEN TWO SYSTEMS CONTROLLING MAN: THE BIOLOGICAL EVOLUTION (BY THE CROSS-GENERATIONAL CHAIN OF GENES) AND SPIRITUALITY, WHOSE ACQUIRED SYSTEM OF VIRTUES AND VALUES INFLUENCES THE ACTIONS OF MAN; WISDOM HAS A RANGE OF BANDWIDTH AND PROPERTIES; KNOWLEDGE ON WHAT CONSTITUTES WISDOM IS NOT THE SAME AS THE PROCESS OF BECOMING A WISE MAN. WITHOUT GOOD LIFE PRACTICES, ONE CANNOT BE A TRULY WISE MAN; WISDOM OUGHT TO BE TAUGHT IN SCHOOLS AND AT COLLEGES, SINCE IF ONE WAITS UNTIL OLD AGE TO BECOME WISE, IT IS COMMONLY TOO LATE TO REDIRECT ONES UNWISE BEHAVIOUR INTO A WISE LIFE; WISDOM IS A CERTAIN KIND OF INFORMATION; WISDOM IS THE MOST IMPORTANT CIVILISATIONAL RESOURCE AND SHOULD BE MONITORED IN A WAY THAT IS SIMILAR OR EVEN BETTER THAN THE WAY YOU MONITOR THE USE OF ENERGY, THE DEVELOPMENT OF POPULATION OR OTHER RESOURCES. THE BOOK IS FULL OF EXAMPLES TAKEN FROM REAL CASES OF APPLIED WISDOM BY FAMOUS PEOPLE. THE REVIEW OF APPLIED WISDOM IS PROVIDED IN THE HISTORIC CONTEXT AS WELL IN THE INTERDISCIPLINARY APPROACH. EVERY PERSON WHO WOULD LIKE TO BE NOT ONLY INFORMED AND KNOWLEDGEABLE BUT WISE SHOULD READ THIS BOOK AND APPLIED ITS RECOMMENDATIONS.

MICROSERVICES FROM THEORY TO PRACTICE: CREATING APPLICATIONS IN IBM BLUEMIX USING THE MICROSERVICES APPROACH - SHAHIR DAYA 2016-04-04

MICROSERVICES IS AN ARCHITECTURAL STYLE IN WHICH LARGE, COMPLEX SOFTWARE APPLICATIONS ARE COMPOSED OF ONE OR MORE SMALLER SERVICES. EACH OF THESE MICROSERVICES FOCUSES ON COMPLETING ONE TASK THAT REPRESENTS A SMALL BUSINESS

CAPABILITY. THESE MICROSERVICES CAN BE DEVELOPED IN ANY PROGRAMMING LANGUAGE. THEY COMMUNICATE WITH EACH OTHER USING LANGUAGE-NEUTRAL PROTOCOLS, SUCH AS REPRESENTATIONAL STATE TRANSFER (REST), OR MESSAGING APPLICATIONS, SUCH AS IBM® MQ LIGHT. THIS IBM REDBOOKS® PUBLICATION GIVES A BROAD UNDERSTANDING OF THIS INCREASINGLY POPULAR ARCHITECTURAL STYLE, AND PROVIDES SOME REAL-LIFE EXAMPLES OF HOW YOU CAN DEVELOP APPLICATIONS USING THE MICROSERVICES APPROACH WITH IBM BLUEMIX™. THE SOURCE CODE FOR ALL OF THESE SAMPLE SCENARIOS CAN BE FOUND ON GITHUB (HTTPS://GITHUB.COM/). THE BOOK ALSO PRESENTS SOME CASE STUDIES FROM IBM PRODUCTS. WE EXPLAIN THE ARCHITECTURAL DECISIONS MADE, OUR EXPERIENCES, AND LESSONS LEARNED WHEN REDESIGNING THESE PRODUCTS USING THE MICROSERVICES APPROACH. INFORMATION TECHNOLOGY (IT) PROFESSIONALS INTERESTED IN LEARNING ABOUT MICROSERVICES AND HOW TO DEVELOP OR REDESIGN AN APPLICATION IN BLUEMIX USING MICROSERVICES CAN BENEFIT FROM THIS BOOK.

NETWORK MEDICINE - JOSEPH LOSCALZO 2017-02-01

BIG DATA, GENOMICS, AND QUANTITATIVE APPROACHES TO NETWORK-BASED ANALYSIS ARE COMBINING TO ADVANCE THE FRONTIERS OF MEDICINE AS NEVER BEFORE. WITH CONTRIBUTIONS FROM LEADING EXPERTS, NETWORK MEDICINE INTRODUCES THIS RAPIDLY EVOLVING FIELD OF RESEARCH, WHICH PROMISES TO REVOLUTIONIZE THE DIAGNOSIS AND TREATMENT OF HUMAN DISEASES.

ENABLING THE INTERNET OF THINGS - MASSIMO ALIOTO 2017-01-23

THIS BOOK OFFERS THE FIRST COMPREHENSIVE VIEW ON INTEGRATED CIRCUIT AND SYSTEM DESIGN FOR THE INTERNET OF THINGS (IoT), AND IN PARTICULAR FOR THE TINY NODES AT ITS EDGE. THE AUTHORS PROVIDE A FRESH PERSPECTIVE ON HOW THE IoT WILL EVOLVE BASED ON RECENT AND FORESEEABLE TRENDS IN THE SEMICONDUCTOR INDUSTRY, HIGHLIGHTING THE KEY CHALLENGES, AS WELL AS THE OPPORTUNITIES FOR CIRCUIT AND SYSTEM INNOVATION TO ADDRESS THEM. THIS BOOK DESCRIBES WHAT THE IoT REALLY MEANS FROM THE DESIGN POINT OF VIEW, AND HOW THE CONSTRAINTS IMPOSED BY APPLICATIONS TRANSLATE INTO INTEGRATED CIRCUIT REQUIREMENTS AND DESIGN GUIDELINES. CHAPTER CONTRIBUTIONS EQUALLY COME FROM INDUSTRY AND ACADEMIA. AFTER PROVIDING A SYSTEM PERSPECTIVE ON IoT NODES, THIS BOOK FOCUSES ON STATE-OF-THE-ART DESIGN TECHNIQUES FOR IoT APPLICATIONS, ENCOMPASSING THE FUNDAMENTAL SUB-SYSTEMS ENCOUNTERED IN SYSTEMS ON CHIP FOR IoT: ULTRA-LOW POWER DIGITAL ARCHITECTURES AND CIRCUITS LOW- AND ZERO-LEAKAGE MEMORIES (INCLUDING EMERGING TECHNOLOGIES) CIRCUITS FOR HARDWARE SECURITY AND AUTHENTICATION SYSTEM ON CHIP DESIGN METHODOLOGIES ON-CHIP POWER MANAGEMENT AND ENERGY HARVESTING ULTRA-LOW POWER ANALOG INTERFACES AND ANALOG-DIGITAL CONVERSION SHORT-RANGE RADIOS MINIATURIZED BATTERY TECHNOLOGIES PACKAGING AND ASSEMBLY OF IoT INTEGRATED SYSTEMS (ON SILICON AND NON-SILICON SUBSTRATES). AS A COMMON THREAD, ALL CHAPTERS CONCLUDE WITH A PROSPECTIVE VIEW ON THE FORESEEABLE EVOLUTION OF THE RELATED TECHNOLOGIES FOR IoT. THE CONCEPTS DEVELOPED THROUGHOUT THE BOOK ARE EXEMPLIFIED BY TWO IoT NODE SYSTEM DEMONSTRATIONS FROM INDUSTRY. THE UNIQUE BALANCE BETWEEN BREADTH AND DEPTH OF THIS BOOK: ENABLES EXPERT READERS QUICKLY TO DEVELOP AN UNDERSTANDING OF THE SPECIFIC CHALLENGES AND STATE-OF-THE-ART SOLUTIONS FOR IoT, AS WELL AS THEIR EVOLUTION IN THE FORESEEABLE FUTURE PROVIDES NON-EXPERTS WITH A COMPREHENSIVE INTRODUCTION TO INTEGRATED CIRCUIT DESIGN FOR IoT, AND SERVES AS AN EXCELLENT STARTING POINT FOR FURTHER LEARNING, THANKS TO THE BROAD COVERAGE OF TOPICS AND SELECTED REFERENCES MAKES IT VERY WELL SUITED FOR PRACTICING ENGINEERS AND SCIENTISTS WORKING IN THE HARDWARE AND CHIP DESIGN FOR IoT, AND AS TEXTBOOK FOR SENIOR UNDERGRADUATE, GRADUATE AND POSTGRADUATE STUDENTS (FAMILIAR WITH ANALOG AND DIGITAL CIRCUITS).

OPTICAL AND WIRELESS TECHNOLOGIES - VIJAY JANYANI 2020-06-02

THIS VOLUME PRESENTS SELECTED PAPERS FROM THE 3RD INTERNATIONAL CONFERENCE ON OPTICAL AND WIRELESS TECHNOLOGIES, CONDUCTED FROM 16TH TO 17TH MARCH, 2019. IT FOCUSES ON EXTENDING THE LIMITS OF CURRENTLY USED SYSTEMS ENCOMPASSING OPTICAL AND WIRELESS DOMAINS, AND EXPLORES THE LATEST DEVELOPMENTS IN APPLICATIONS LIKE PHOTONICS, HIGH SPEED COMMUNICATION SYSTEMS AND NETWORKS, VISIBLE LIGHT COMMUNICATION, NANO-PHOTONICS, WIRELESS, AND MIMO SYSTEMS. THE PROCEEDINGS CONTAIN HIGH QUALITY SCHOLARLY ARTICLES, GIVING INSIGHT INTO THE ANALYTICAL, EXPERIMENTAL, AND DEVELOPMENTAL ASPECTS OF SYSTEMS, TECHNIQUES, AND DEVICES IN THESE SPHERES. THIS VOLUME WILL PROVE USEFUL TO RESEARCHERS AND PROFESSIONALS ALIKE.

SIGNAL PROCESSING FOR COGNITIVE RADIOS - SUDHARMA K. JAYAWEERA 2014-11-19

THIS BOOK EXAMINES SIGNAL PROCESSING TECHNIQUES FOR COGNITIVE RADIOS. THE BOOK IS DIVIDED INTO THREE PARTS: PART I, IS AN INTRODUCTION TO COGNITIVE RADIOS AND PRESENTS A HISTORY OF THE COGNITIVE RADIO (CR), AND INTRODUCE THEIR ARCHITECTURE, FUNCTIONALITIES, IDEAL ASPECTS, HARDWARE PLATFORMS, AND STATE-OF-THE-ART DEVELOPMENTS. DR. JAYAWEERA ALSO INTRODUCES THE SPECIFIC TYPE OF CR THAT HAS GAINED THE MOST RESEARCH ATTENTION IN RECENT YEARS: THE CR FOR DYNAMIC SPECTRUM ACCESS (DSA). PART II OF THE BOOK, THEORETICAL FOUNDATIONS, GUIDES THE READER FROM CLASSICAL TO MODERN THEORIES ON STATISTICAL SIGNAL PROCESSING AND INFERENCE. THE AUTHOR ADDRESSES DETECTION AND ESTIMATION THEORY, POWER SPECTRUM ESTIMATION, CLASSIFICATION, ADAPTIVE ALGORITHMS (MACHINE LEARNING), AND INFERENCE AND DECISION PROCESSES. APPLICATIONS TO THE SIGNAL PROCESSING, INFERENCE AND LEARNING PROBLEMS ENCOUNTERED IN COGNITIVE RADIOS ARE INTERSPERSED THROUGHOUT WITH CONCRETE AND ACCESSIBLE EXAMPLES. PART III OF THE BOOK, SIGNAL PROCESSING IN RADIOS, IDENTIFIES THE KEY SIGNAL PROCESSING, INFERENCE, AND LEARNING TASKS TO BE PERFORMED BY WIDEBAND AUTONOMOUS COGNITIVE RADIOS. THE AUTHOR PROVIDES SIGNAL PROCESSING SOLUTIONS TO EACH TASK BY RELATING THE TASKS TO MATERIALS COVERED IN PART II. SPECIALIZED CHAPTERS THEN DISCUSS SPECIFIC SIGNAL PROCESSING ALGORITHMS REQUIRED FOR DSA AND DSS COGNITIVE RADIOS.

NETWORK SCIENCE - ALBERT-L SZL BARAB SI 2016-07-21

ILLUSTRATED THROUGHOUT IN FULL COLOUR, THIS PIONEERING TEXT IS THE ONLY BOOK YOU NEED FOR AN INTRODUCTION TO NETWORK SCIENCE.

BUILDING MICROSERVICES WITH MICRONAUT® - NIRMAL SINGH 2021-09-30

EXPLORE DIFFERENT ASPECTS OF BUILDING MODULAR MICROSERVICES SUCH AS DEVELOPMENT, TESTING, MAINTENANCE, AND DEPLOYMENT USING THE MICRONAUT FRAMEWORK KEY FEATURES LEARN HOW TO BUILD SCALABLE, FAST, AND RESILIENT MICROSERVICES WITH THIS CONCISE GUIDE EXPLORE THE MANY ADVANTAGES OF USING REFLECTION-FREE, COMPILE-TIME DEPENDENCY INJECTIONS AND ASPECT-ORIENTED PROGRAMMING BUILD CLOUD-NATIVE APPLICATIONS EASILY WITH THE MICRONAUT FRAMEWORK BOOK DESCRIPTION THE OPEN SOURCE MICRONAUT® FRAMEWORK IS A JVM-BASED TOOLKIT DESIGNED TO CREATE MICROSERVICES QUICKLY AND EASILY. THIS BOOK WILL HELP FULL-STACK AND JAVA DEVELOPERS BUILD MODULAR, HIGH-PERFORMING, AND REACTIVE MICROSERVICE-BASED APPS USING THE MICRONAUT FRAMEWORK. YOU'LL START BY BUILDING MICROSERVICES AND LEARNING ABOUT THE CORE COMPONENTS, SUCH AS AHEAD-OF-TIME COMPILATION, REFLECTION-LESS DEPENDENCY INJECTION, AND REACTIVE BAKED-IN HTTP CLIENTS AND SERVERS. NEXT, YOU WILL WORK ON A REAL-TIME MICROSERVICE APPLICATION AND LEARN HOW TO INTEGRATE MICRONAUT PROJECTS WITH DIFFERENT KINDS OF RELATIONAL AND NON-RELATIONAL DATABASES. YOU'LL ALSO LEARN HOW TO EMPLOY DIFFERENT SECURITY MECHANISMS TO SAFEGUARD YOUR MICROSERVICES AND INTEGRATE MICROSERVICES USING EVENT-DRIVEN ARCHITECTURE IN THE APACHE KAFKA ECOSYSTEM. AS YOU ADVANCE, YOU'LL GET TO GRIPS WITH AUTOMATED TESTING AND POPULAR TESTING TOOLS. THE BOOK WILL HELP YOU UNDERSTAND HOW YOU CAN EASILY HANDLE MICROSERVICE CONCERNS IN MICRONAUT PROJECTS, SUCH AS SERVICE DISCOVERY, API DOCUMENTATION, DISTRIBUTED CONFIGURATION MANAGEMENT, FALLBACKS, AND CIRCUIT BREAKERS. FINALLY, YOU'LL EXPLORE THE DEPLOYMENT AND MAINTENANCE ASPECTS OF MICROSERVICES AND GET UP TO SPEED WITH THE INTERNET OF THINGS (IoT) USING THE FRAMEWORK. BY THE END OF THIS BOOK, YOU'LL BE ABLE TO BUILD, TEST, DEPLOY, AND MAINTAIN YOUR OWN MICROSERVICE APPS USING THE FRAMEWORK. WHAT YOU WILL LEARN UNDERSTAND WHY THE MICRONAUT FRAMEWORK IS BEST SUITED FOR BUILDING MICROSERVICES BUILD WEB ENDPOINTS AND SERVICES IN THE MICRONAUT FRAMEWORK SAFEGUARD MICROSERVICES USING SESSION, JWT, AND OAUTH IN MICRONAUT PROJECTS GET TO GRIPS WITH EVENT-DRIVEN ARCHITECTURE IN MICRONAUT APPLICATIONS DISCOVER HOW TO AUTOMATE TESTING AT VARIOUS LEVELS USING BUILT-IN TOOLS AND TESTING FRAMEWORKS DEPLOY YOUR MICROSERVICES TO CONTAINERS AND CLOUD PLATFORMS BECOME WELL-VERSED WITH DISTRIBUTED LOGGING, TRACING, AND MONITORING IN MICRONAUT PROJECTS GET HANDS-ON WITH THE IoT USING ALEXA AND THE MICRONAUT FRAMEWORK WHO THIS BOOK IS FOR THIS BOOK IS FOR DEVELOPERS WHO HAVE BEEN BUILDING MICROSERVICES ON TRADITIONAL FRAMEWORKS SUCH AS SPRING BOOT AND ARE LOOKING FOR A FASTER ALTERNATIVE. INTERMEDIATE-LEVEL KNOWLEDGE OF JAVA PROGRAMMING AND IMPLEMENTING WEB SERVICES DEVELOPMENT IN JAVA IS REQUIRED.

ACADEMIC PRESS LIBRARY IN SIGNAL PROCESSING, VOLUME 7 - 2017-12-13

ACADEMIC PRESS LIBRARY IN SIGNAL PROCESSING, VOLUME 7: ARRAY, RADAR AND COMMUNICATIONS ENGINEERING IS AIMED AT UNIVERSITY RESEARCHERS, POST GRADUATE STUDENTS AND R&D ENGINEERS IN THE INDUSTRY, PROVIDING A TUTORIAL-BASED, COMPREHENSIVE REVIEW OF KEY TOPICS AND TECHNOLOGIES OF RESEARCH IN ARRAY AND RADAR PROCESSING, COMMUNICATIONS ENGINEERING AND MACHINE LEARNING. USERS WILL FIND THE BOOK TO BE AN INVALUABLE STARTING POINT TO THEIR RESEARCH AND INITIATIVES. WITH THIS REFERENCE, READERS WILL QUICKLY GRASP AN UNFAMILIAR AREA OF RESEARCH, UNDERSTAND THE UNDERLYING PRINCIPLES OF A TOPIC, LEARN HOW A TOPIC RELATES TO OTHER AREAS, AND LEARN OF RESEARCH ISSUES YET TO BE RESOLVED. PRESENTS A QUICK TUTORIAL OF REVIEWS OF IMPORTANT AND EMERGING TOPICS OF RESEARCH EXPLORES CORE PRINCIPLES, TECHNOLOGIES, ALGORITHMS AND APPLICATIONS EDITED AND CONTRIBUTED BY INTERNATIONAL LEADING FIGURES IN THE FIELD INCLUDES COMPREHENSIVE REFERENCES TO JOURNAL ARTICLES AND OTHER LITERATURE UPON WHICH TO BUILD FURTHER, MORE DETAILED KNOWLEDGE

DATA SCIENCE AND BIG DATA ANALYTICS - EMC EDUCATION SERVICES 2015-01-05

DATA SCIENCE AND BIG DATA ANALYTICS IS ABOUT HARNESSING THE POWER OF DATA FOR NEW INSIGHTS. THE BOOK COVERS THE BREADTH OF ACTIVITIES AND METHODS AND TOOLS THAT DATA SCIENTISTS USE. THE CONTENT FOCUSES ON CONCEPTS, PRINCIPLES AND PRACTICAL APPLICATIONS THAT ARE APPLICABLE TO ANY INDUSTRY AND TECHNOLOGY ENVIRONMENT, AND THE LEARNING IS SUPPORTED AND EXPLAINED WITH EXAMPLES THAT YOU CAN REPLICATE USING OPEN-SOURCE SOFTWARE. THIS BOOK WILL HELP YOU: BECOME A CONTRIBUTOR ON A DATA SCIENCE TEAM DEPLOY A STRUCTURED LIFECYCLE APPROACH TO DATA ANALYTICS PROBLEMS APPLY APPROPRIATE ANALYTIC TECHNIQUES AND TOOLS TO ANALYZING BIG DATA LEARN HOW TO TELL A COMPELLING STORY WITH DATA TO DRIVE BUSINESS ACTION PREPARE FOR EMC PROVEN PROFESSIONAL DATA SCIENCE CERTIFICATION CORRESPONDING DATA SETS ARE AVAILABLE FROM THE BOOK'S PAGE AT WILEY WHICH YOU CAN FIND ON THE WILEY SITE BY SEARCHING FOR THE ISBN 9781118876138. GET STARTED DISCOVERING, ANALYZING, VISUALIZING, AND PRESENTING DATA IN A MEANINGFUL WAY TODAY!

THE BEST AMERICAN INFOGRAPHICS 2016 - GARETH COOK 2016-10-04

“WHEN IT COMES TO INFOGRAPHICS...THE BEST WORK IN THIS FIELD GRABS THOSE EYES, KEEPS THEM GLUED, AND THE GRIP IS SENSUAL—AND OFTEN IMMEDIATE. A GOOD GRAPHIC SAYS ‘SEE WHAT I SEE!’ AND EITHER YOU DO OR YOU DON’T. THE BEST ONES...PULL YOU RIGHT IN, AND WON’T LET YOU GO.” —FROM THE INTRODUCTION BY ROBERT KRULWICH THE YEAR’S MOST “AWESOME” (REDORBIT) INFOGRAPHICS REVEAL ASPECTS OF OUR WORLD IN OFTEN STARTLING WAYS—FROM A HAUNTING GRAPHIC MAPPING THE JOURNEY OF 15,790 SLAVE SHIPS OVER 315 YEARS, TO A YEARLONG DATA DRAWING PROJECT ON POSTCARDS THAT RECORDS AND CEMENTS A TRANS-ATLANTIC FRIENDSHIP. THE BEST AMERICAN INFOGRAPHICS 2016 COVERS THE REALMS OF SOCIAL ISSUES, HEALTH, SPORTS, ARTS AND CULTURE, AND POLITICS—including CRISP VISUAL DATA ON THE LIKELY DEMOCRATIC/REPUBLICAN LEANINGS OF AN ARRAY OF PROFESSIONS (PROVING THAT YOUR UROLOGIST IS FAR MORE LIKELY TO BE A REPUBLICAN THAN YOUR PEDIATRICIAN). HERE ONCE AGAIN ARE THE MOST INNOVATIVE PRINT AND ELECTRONIC INFOGRAPHICS—“THE FULL SPECTRUM OF THE GENRE—FROM AUTHORITATIVE TO PLAYFUL” (SCIENTIFIC AMERICAN). ROBERT KRULWICH IS THE COHOST OF RADIOLAB AND A SCIENCE CORRESPONDENT FOR NPR. HE WRITES, DRAWS, AND CARTOONS AT CURIOUSLY KRULWICH, WHERE HE SYNTHESIZES SCIENTIFIC CONCEPTS INTO COLORFUL, ONE-OF-A-KIND BLOG POSTS. HE HAS WON SEVERAL EMMY AWARDS FOR HIS WORK ON TELEVISION, AND HAS BEEN CALLED “THE MOST INVENTIVE NETWORK REPORTER IN TELEVISION” BY TV GUIDE.

AUTOMOTIVE ETHERNET - KIRSTEN MATHEUS 2015

LEARN HOW AUTOMOTIVE ETHERNET IS REVOLUTIONIZING IN-CAR NETWORKING FROM THE EXPERTS AT THE CORE OF ITS DEVELOPMENT. PROVIDING AN IN-DEPTH ACCOUNT OF AUTOMOTIVE ETHERNET, FROM ITS BACKGROUND AND DEVELOPMENT, TO ITS FUTURE PROSPECTS, THIS BOOK IS IDEAL FOR INDUSTRY PROFESSIONALS AND ACADEMICS ALIKE.

HERITABLE HUMAN GENOME EDITING - THE ROYAL SOCIETY 2021-01-16

HERITABLE HUMAN GENOME EDITING - MAKING CHANGES TO THE GENETIC MATERIAL OF EGGS, SPERM, OR ANY CELLS THAT LEAD TO THEIR DEVELOPMENT, INCLUDING THE CELLS OF EARLY EMBRYOS, AND ESTABLISHING A PREGNANCY - RAISES NOT ONLY SCIENTIFIC AND MEDICAL CONSIDERATIONS BUT ALSO A HOST OF ETHICAL, MORAL, AND SOCIETAL ISSUES. HUMAN EMBRYOS WHOSE GENOMES HAVE BEEN EDITED SHOULD NOT BE USED TO CREATE A PREGNANCY UNTIL IT IS ESTABLISHED THAT PRECISE GENOMIC CHANGES CAN BE MADE RELIABLY AND WITHOUT INTRODUCING UNDESIRABLE CHANGES - CRITERIA THAT HAVE NOT YET BEEN MET, SAYS HERITABLE HUMAN GENOME EDITING. FROM AN INTERNATIONAL COMMISSION OF THE U.S. NATIONAL ACADEMY OF MEDICINE, U.S. NATIONAL ACADEMY OF SCIENCES, AND THE U.K.'S ROYAL SOCIETY, THE REPORT CONSIDERS POTENTIAL BENEFITS, HARMS, AND UNCERTAINTIES ASSOCIATED WITH GENOME EDITING TECHNOLOGIES AND DEFINES A TRANSLATIONAL PATHWAY FROM RIGOROUS PRECLINICAL RESEARCH TO INITIAL CLINICAL USES, SHOULD A COUNTRY DECIDE TO PERMIT SUCH USES. THE REPORT SPECIFIES STRINGENT PRECLINICAL AND CLINICAL REQUIREMENTS FOR ESTABLISHING SAFETY AND EFFICACY, AND FOR UNDERTAKING LONG-TERM MONITORING OF OUTCOMES. EXTENSIVE NATIONAL AND INTERNATIONAL DIALOGUE IS NEEDED BEFORE ANY COUNTRY DECIDES WHETHER TO PERMIT CLINICAL USE OF THIS TECHNOLOGY, ACCORDING TO THE REPORT, WHICH IDENTIFIES ESSENTIAL ELEMENTS OF NATIONAL AND INTERNATIONAL SCIENTIFIC GOVERNANCE AND OVERSIGHT.

UNDERSTANDING PULSARS AND SPACE NAVIGATIONS - PING SHUAI 2021-04-16

THIS BOOK SYSTEMATICALLY PRESENTS THE CONCEPT, HISTORY, IMPLEMENTATION, THEORY SYSTEM AND BASIC METHODS OF PULSAR AND SPACE FLIGHT, ILLUSTRATING THE CHARACTERISTICS OF PULSARS. IT ALSO DESCRIBES THE CLASSIFICATION OF SPACECRAFT NAVIGATION SYSTEMS AND THE AUTONOMOUS NAVIGATION TECHNOLOGIES, AS WELL AS X-RAY PULSAR-BASED NAVIGATION SYSTEMS (XPNAV) AND DISCUSSES FUTURE NAVIGATION SATELLITE SYSTEMS IN DETAIL.

COVID-19 AND EDUCATION - CHRISTOPHER CHEONG 2021-05-28

TOPICS INCLUDE WORK-INTEGRATED LEARNING (INTERNSHIPS), STUDENT WELL-BEING, AND STUDENTS WITH DISABILITIES. ALSO, IT EXPLORES THE IMPACT ON ASSESSMENTS AND ACADEMIC INTEGRITY AND WHAT ANALYSIS OF ONLINE SYSTEMS TELLS US. PREFACE IX SECTION I: INTRODUCTION 1 CHAPTER 1: COVID-19 EMERGENCY EDUCATION POLICY AND LEARNING LOSS: A COMPARATIVE STUDY 3 ATHENA VONGALIS-MACROW, DENISE DE SOUZA, CLARE LITTLETON, ANNA SEKHAH SECTION II: STUDENT AND TEACHER PERSPECTIVES 27 CHAPTER 2: CLASSROOMS GOING DIGITAL - EVALUATING ONLINE PRESENCE THROUGH STUDENTS' PERCEPTION USING COMMUNITY OF INQUIRY FRAMEWORK 29 HIEP CONG PHAM, PHUONG AI HOANG, DUYNH KHANH PHAM, NGUYEN HOANG THUAN, MINH NHAT NGUYEN CHAPTER 3: A STUDY OF MUSIC EDUCATION, SINGING, AND SOCIAL DISTANCING DURING THE COVID-19 PANDEMIC: PERSPECTIVES OF MUSIC TEACHERS AND THEIR STUDENTS IN HONG KONG, CHINA 51 WAI-CHUNG HO HONG KONG BAPTIST UNIVERSITY CHAPTER 4: THE ARCHITECTURAL DESIGN STUDIO DURING A PANDEMIC: A HYBRID PEDAGOGY OF VIRTUAL AND EXPERIENTIAL LEARNING 75 CECILIA DE MARINIS, ROSS T. SMITH CHAPTER 5: ENHANCING ONLINE EDUCATION WITH INTELLIGENT DISCUSSION TOOLS 97 JAKE RENZELLA, LAURA TUBINO, ANDREW CAIN, JEAN-GUY SCHNEIDER SECTION III: STUDENT EXPERIENCE 115 CHAPTER 6: AUSTRALIAN HIGHER EDUCATION STUDENT PERSPECTIVES ON EMERGENCY REMOTE TEACHING DURING THE COVID-19 PANDEMIC 117 CHRISTOPHER CHEONG, JUSTIN FILIPPOU, FRANCE CHEONG, GILLIAN VESTY, VIKTOR ARITY CHAPTER 7: ONLINE LEARNING AND ENGAGEMENT WITH THE BUSINESS PRACTICES DURING PANDEMIC 151 AIDA GHALEBEIGI, EHSAN GHARAI CHAPTER 8: EFFECTS OF AN EMERGENCY TRANSITION TO ONLINE LEARNING IN HIGHER EDUCATION IN MEXICO 165 DEON VICTORIA HEFFINGTON, VLADIMIR VENIAMIN CABA AS VICTORIA CHAPTER 9: FACTORS AFFECTING THE QUALITY OF E-LEARNING DURING THE COVID-19 PANDEMIC FROM THE PERSPECTIVE OF HIGHER EDUCATION STUDENTS 189 KESAVAN VADAKALUR ELUMALAI, JAYENDIRA P SANKAR, KALAICHELVI R, JEENA ANN JOHN, NIDHI MENON, MUFLEH SALEM M ALQAHTANI, MAY ABDULAZIZ ABUMELHA DISABILITIES 213 CHAPTER 10: LEARNING AND WORKING ONLINE DURING THE COVID-19 PANDEMIC: A WELLBEING LITERACY PERSPECTIVE ON WORK INTEGRATED LEARNING STUDENTS 215 NANCY AN, GILLIAN VESTY, CHRISTOPHER CHEONG CHAPTER 11: HANDS-ON LEARNING IN A HANDS-OFF WORLD: PROJECT-BASED LEARNING AS A METHOD OF STUDENT ENGAGEMENT AND SUPPORT DURING THE COVID-19 CRISIS .. 245 NICOLE A. SUAREZ, EPHEMERAL ROSHDY, DANA V. BAKKE, ANDREA A. CHIBA, LEANNE CHUKOSKIE CHAPTER 12: POSITIVE AND CONTEMPLATIVE PEDAGOGIES: A HOLISTIC EDUCATIONAL APPROACH TO STUDENT LEARNING AND WELL-BEING 265 SANDY FITZGERALD (NIE NG) CHAPTER 13: TAKING ADVANTAGE OF NEW OPPORTUNITIES AFFORDED BY THE COVID-19 PANDEMIC: A CASE STUDY IN RESPONSIVE AND DYNAMIC LIBRARY AND INFORMATION SCIENCE WORK INTEGRATED LEARNING 297 JESSIE LYMN, SUZANNE PASANA CHAPTER 14: ONLINE LEARNING FOR STUDENTS WITH DISABILITIES DURING COVID-19 LOCKDOWN 313 MARK TAYLOR SECTION V: TEACHER PRACTICE 331 CHAPTER 15: FROM IMPOSSIBILITY TO NECESSITY: REFLECTIONS ON MOVING TO EMERGENCY REMOTE UNIVERSITY TEACHING DURING COVID-19 333 MIKKO RAJANEN CHAPTER 16: BUSINESS (TEACHING) AS USUAL AMID THE COVID-19 PANDEMIC: A CASE STUDY OF ONLINE TEACHING PRACTICE IN HONG KONG 355 Tsz KIT NG, REBECCA REYNOLDS, MAN YI (HELEN) CHAN, XIU HAN LI, SAMUEL KAI WAH CHU CHAPTER 17: SECONDARY SCHOOL LANGUAGE

TEACHERS' ONLINE LEARNING ENGAGEMENT DURING THE COVID-19 PANDEMIC IN INDONESIA 385 IMELDA GOZALI, ANITA LIE, SITI MINA TAMAH, KATARINA RETNO TRIWIDAYATI, TRESIANA SARI DIAH UTAMI, FRANSISKUS JEMADI CHAPTER 18: RIDING THE COVID-19 WAVE: ONLINE LEARNING ACTIVITIES FOR A FIELD-BASED MARINE SCIENCE UNIT 415 PF FRANCIS SECTION VI: ASSESSMENT AND ACADEMIC INTEGRITY 429 CHAPTER 19: STUDENT ACADEMIC INTEGRITY IN ONLINE LEARNING IN HIGHER EDUCATION IN THE ERA OF COVID-19 431 CAROLYN AUGUSTA, ROBERT D. E. HENDERSON CHAPTER 20: ASSESSING MATHEMATICS DURING COVID-19 TIMES 447 SIMON JAMES, KERRI MORGAN, GUILLERMO PINEDA-VILLAVICENCIO, LAURA TUBINO CHAPTER 21: PREPAREDNESS OF INSTITUTIONS OF HIGHER EDUCATION FOR ASSESSMENT IN VIRTUAL LEARNING ENVIRONMENTS DURING THE COVID-19 LOCKDOWN: EVIDENCE OF BONA FIDE CHALLENGES AND PRAGMATIC SOLUTIONS 465 TALHA SHARADGAH, RAMI SA'DI SECTION VII: SOCIAL MEDIA, ANALYTICS, AND SYSTEMS 487 CHAPTER 22: LEARNING DISRUPTED: A COMPARISON OF TWO CONSECUTIVE STUDENT COHORTS 489 PETER VITARTAS, PETER MATHEIS CHAPTER 23: WHAT TWITTER TELLS US ABOUT ONLINE EDUCATION DURING THE COVID-19 PANDEMIC 503 SA LIU, JASON R HARRON

E-COMMERCE AND THE EFFECTS OF TECHNOLOGY ON TAXATION - ANNE MICHELLE BARDPOULOS 2015

THIS BOOK FOCUSES ON THE IMPACT OF TECHNOLOGY ON TAXATION AND DEALS WITH THE BROAD EFFECT OF TECHNOLOGY ON DIVERSE TAXATION SYSTEMS. IT ADDRESSES THE HIGHLY RELEVANT E-TAX ISSUE AND ARGUES THAT WHILE VAT MAY NOT BE THE ULTIMATE SOLUTION WITH REGARD TO TAXING ELECTRONIC COMMERCE, IT CAN BE DEMONSTRATED TO BE THE MOST EFFECTIVE SOLUTION TO DATE. THE BOOK ANALYZES THE APPLICATION AND THE EFFECTIVENESS OF TRADITIONAL INCOME TAX PRINCIPLES IN CONTRADISTINCTION TO VAT PRINCIPLES. TAKING INTO ACCOUNT RAPIDLY AMELIORATING TECHNOLOGY, THE BOOK NEXT ASSESSES THE COMPATIBILITY BETWEEN ELECTRONIC COMMERCE AND DIVERSE SYSTEMS OF TAXATION. USING CASE STUDIES OF AMAZON.COM AND SECOND LIFE, AS WELL AS ADDITIONAL PRACTICAL EXAMPLES, THE BOOK DEMONSTRATES THE EFFECTIVENESS OF VAT IN RESPECT OF ELECTRONIC COMMERCE AND AMELIORATING TECHNOLOGY IN THE INCALCULABLE AND BORDERLESS REALM OF CYBERSPACE. SYSTEMS OF INSIGHT FOR DIGITAL TRANSFORMATION: USING IBM OPERATIONAL DECISION MANAGER ADVANCED AND PREDICTIVE ANALYTICS - WHEI-JEN CHEN 2015-12-03

SYSTEMS OF RECORD (SORs) ARE ENGINES THAT GENERATES VALUE FOR YOUR BUSINESS. SYSTEMS OF ENGAGEMENT (SOE) ARE ALWAYS EVOLVING AND GENERATING NEW CUSTOMER-CENTRIC EXPERIENCES AND NEW OPPORTUNITIES TO CAPITALIZE ON THE VALUE IN THE SYSTEMS OF RECORD. THE HIGHEST VALUE IS GAINED WHEN SYSTEMS OF RECORD AND SYSTEMS OF ENGAGEMENT ARE BROUGHT TOGETHER TO DELIVER INSIGHT. SYSTEMS OF INSIGHT (SOI) MONITOR AND ANALYZE WHAT IS GOING ON WITH VARIOUS BEHAVIORS IN THE SYSTEMS OF ENGAGEMENT AND INFORMATION BEING STORED OR TRANSACTED IN THE SYSTEMS OF RECORD. SOIs SEEK NEW OPPORTUNITIES, RISKS, AND OPERATIONAL BEHAVIOR THAT NEEDS TO BE REPORTED OR HAVE ACTION TAKEN TO OPTIMIZE BUSINESS OUTCOMES. SYSTEMS OF INSIGHT ARE AT THE CORE OF THE DIGITAL EXPERIENCE, WHICH TRIES TO DERIVE INSIGHTS FROM THE ENORMOUS AMOUNT OF DATA GENERATED BY AUTOMATED PROCESSES AND CUSTOMER INTERACTIONS. SYSTEMS OF INSIGHT CAN ALSO PROVIDE THE ABILITY TO APPLY ANALYTICS AND RULES TO REAL-TIME DATA AS IT FLOWS WITHIN, THROUGHOUT, AND BEYOND THE ENTERPRISE (APPLICATIONS, DATABASES, MOBILE, SOCIAL, INTERNET OF THINGS) TO GAIN THE WANTED INSIGHT. DERIVING THIS INSIGHT IS A KEY STEP TOWARD BEING ABLE TO MAKE THE BEST DECISIONS AND TAKE THE MOST APPROPRIATE ACTIONS. EXAMPLES OF SUCH ACTIONS ARE TO IMPROVE THE NUMBER OF SATISFIED CLIENTS, IDENTIFY CLIENTS AT RISK OF LEAVING AND INCENTIVIZE THEM TO STAY LOYAL, IDENTIFY PATTERNS OF RISK OR FRAUDULENT BEHAVIOR AND TAKE ACTION TO MINIMIZE IT AS EARLY AS POSSIBLE, AND DETECT PATTERNS OF BEHAVIOR IN OPERATIONAL SYSTEMS AND TRANSPORTATION THAT LEAD TO FAILURES, DELAYS, AND MAINTENANCE AND TAKE EARLY ACTION TO MINIMIZE RISKS AND COSTS. IBM® OPERATIONAL DECISION MANAGER IS A DECISION MANAGEMENT PLATFORM THAT PROVIDES CAPABILITIES THAT SUPPORT BOTH EVENT-DRIVEN INSIGHT PATTERNS, AND BUSINESS-RULE-DRIVEN SCENARIOS. IT ALSO CAN EASILY BE USED IN COMBINATION WITH OTHER IBM ANALYTICS SOLUTIONS, AS THE DETAILED EXAMPLES WILL SHOW. IBM OPERATIONAL DECISION MANAGER ADVANCED, ALONG WITH COMPLEMENTARY IBM SOFTWARE OFFERINGS THAT ALSO PROVIDE CAPABILITY FOR SYSTEMS OF INSIGHT, PROVIDES A WAY TO DELIVER THE GREATEST VALUE TO YOUR CUSTOMERS AND YOUR BUSINESS. IBM OPERATIONAL DECISION MANAGER ADVANCED BRINGS TOGETHER DATA FROM DIFFERENT SOURCES TO RECOGNIZE MEANINGFUL TRENDS AND PATTERNS. IT EMPOWERS BUSINESS USERS TO DEFINE, MANAGE, AND AUTOMATE REPEATABLE OPERATIONAL DECISIONS. AS A RESULT, ORGANIZATIONS CAN CREATE AND SHAPE CUSTOMER-CENTRIC BUSINESS MOMENTS. THIS IBM REDBOOKS® PUBLICATION EXPLAINS THE KEY CONCEPTS OF SYSTEMS OF INSIGHT AND HOW TO IMPLEMENT A SYSTEM OF INSIGHT SOLUTION WITH EXAMPLES. IT IS INTENDED FOR IT ARCHITECTS AND PROFESSIONALS WHO ARE RESPONSIBLE FOR IMPLEMENTING A SYSTEMS OF INSIGHTS SOLUTION REQUIRING EVENT-BASED CONTEXT PATTERN DETECTION AND DETERMINISTIC DECISION SERVICES TO ENHANCE OTHER ANALYTICS SOLUTION COMPONENTS WITH IBM OPERATIONAL DECISION MANAGER ADVANCED.

THE ART OF ENTERPRISE INFORMATION ARCHITECTURE - MARIO GODINEZ 2010-04-01

ARCHITECTURE FOR THE INTELLIGENT ENTERPRISE: POWERFUL NEW WAYS TO MAXIMIZE THE REAL-TIME VALUE OF INFORMATION TOMORROW'S WINNING "INTELLIGENT ENTERPRISES" WILL BRING TOGETHER FAR MORE DIVERSE SOURCES OF DATA, ANALYZE IT IN MORE POWERFUL WAYS, AND DELIVER IMMEDIATE INSIGHT TO DECISION-MAKERS THROUGHOUT THE ORGANIZATION. TODAY, HOWEVER, MOST COMPANIES FAIL TO APPLY THE INFORMATION THEY ALREADY HAVE, WHILE STRUGGLING WITH THE COMPLEXITY AND COSTS OF THEIR EXISTING INFORMATION ENVIRONMENTS. IN THIS BOOK, A TEAM OF IBM'S LEADING INFORMATION MANAGEMENT EXPERTS GUIDE YOU ON A JOURNEY THAT WILL TAKE YOU FROM WHERE YOU ARE TODAY TOWARD BECOMING AN "INTELLIGENT ENTERPRISE." DRAWING ON THEIR EXTENSIVE EXPERIENCE WORKING WITH ENTERPRISE CLIENTS, THE AUTHORS PRESENT A NEW, INFORMATION-CENTRIC APPROACH TO

ARCHITECTURE AND POWERFUL NEW MODELS THAT WILL BENEFIT ANY ORGANIZATION. USING THESE STRATEGIES AND MODELS, COMPANIES CAN SYSTEMATICALLY UNLOCK THE BUSINESS VALUE OF INFORMATION BY DELIVERING ACTIONABLE, REAL-TIME INFORMATION IN CONTEXT TO ENABLE BETTER DECISION-MAKING THROUGHOUT THE ENTERPRISE—FROM THE “SHOP FLOOR” TO THE “TOP FLOOR.” COVERAGE INCLUDES HIGHLIGHTING THE IMPORTANCE OF DYNAMIC WAREHOUSING DEFINING YOUR ENTERPRISE INFORMATION ARCHITECTURE FROM CONCEPTUAL, LOGICAL, COMPONENT, AND OPERATIONAL VIEWS USING INFORMATION ARCHITECTURE PRINCIPLES TO INTEGRATE AND RATIONALIZE YOUR IT INVESTMENTS, FROM CLOUD COMPUTING TO INFORMATION SERVICE LIFECYCLE MANAGEMENT APPLYING ENTERPRISE MASTER DATA MANAGEMENT (MDM) TO BOLSTER BUSINESS FUNCTIONS, RANGING FROM COMPLIANCE AND RISK MANAGEMENT TO MARKETING AND PRODUCT MANAGEMENT IMPLEMENTING MORE EFFECTIVE BUSINESS INTELLIGENCE AND BUSINESS PERFORMANCE OPTIMIZATION, GOVERNANCE, AND SECURITY SYSTEMS AND PROCESSES UNDERSTANDING “INFORMATION AS A SERVICE” AND “INFO 2.0,” THE INFORMATION DELIVERY SIDE OF Web 2.0

VALUE SENSITIVE DESIGN - BATYA FRIEDMAN 2019-05-21

USING OUR MORAL AND TECHNICAL IMAGINATIONS TO CREATE RESPONSIBLE INNOVATIONS: THEORY, METHOD, AND APPLICATIONS FOR VALUE SENSITIVE DESIGN. IMPLANTABLE MEDICAL DEVICES AND HUMAN DIGNITY. PRIVATE AND SECURE ACCESS TO INFORMATION. ENGINEERING PROJECTS THAT TRANSFORM THE EARTH. MULTIGENERATIONAL INFORMATION SYSTEMS FOR INTERNATIONAL JUSTICE. HOW SHOULD DESIGNERS, ENGINEERS, ARCHITECTS, POLICY MAKERS, AND OTHERS DESIGN SUCH TECHNOLOGY? WHO SHOULD BE INVOLVED AND WHAT VALUES ARE IMPLICATED? IN VALUE SENSITIVE DESIGN, BATYA FRIEDMAN AND DAVID HENDRY DESCRIBE HOW BOTH MORAL AND TECHNICAL IMAGINATION CAN BE BROUGHT TO BEAR ON THE DESIGN OF TECHNOLOGY. WITH VALUE SENSITIVE DESIGN, UNDER DEVELOPMENT FOR MORE THAN TWO DECADES, FRIEDMAN AND HENDRY BRING TOGETHER THEORY, METHODS, AND APPLICATIONS FOR A DESIGN PROCESS THAT ENGAGES HUMAN VALUES AT EVERY STAGE. AFTER PRESENTING THE THEORETICAL FOUNDATIONS OF VALUE SENSITIVE DESIGN, WHICH LEAD TO A DEEP RETHINKING OF TECHNICAL DESIGN, FRIEDMAN AND HENDRY EXPLAIN SEVENTEEN METHODS, INCLUDING STAKEHOLDER ANALYSIS, VALUE SCENARIOS, AND MULTILIFESPAN TIMELINES. FOLLOWING THIS, EXPERTS FROM TEN APPLICATION DOMAINS REPORT ON VALUE SENSITIVE DESIGN PRACTICE. FINALLY, FRIEDMAN AND HENDRY EXPLORE SUCH OPEN QUESTIONS AS THE NEED FOR DEEPER INVESTIGATION OF INDIRECT STAKEHOLDERS AND FURTHER METHOD DEVELOPMENT. THIS DEFINITIVE ACCOUNT OF THE STATE OF THE ART IN VALUE SENSITIVE DESIGN IS AN ESSENTIAL RESOURCE FOR DESIGNERS AND RESEARCHERS WORKING IN ACADEMIA AND INDUSTRY, STUDENTS IN DESIGN AND COMPUTER SCIENCE, AND ANYONE WORKING AT THE INTERSECTION OF TECHNOLOGY AND SOCIETY.

DIGITAL TRANSFORMATION - REIMUND NEUGEBAUER 2019-05-14

WITH THE EXCEPTION OF WRITTEN LETTERS AND PERSONAL CONVERSATIONS, DIGITAL TECHNOLOGY FORMS THE BASIS OF NEARLY EVERY MEANS OF COMMUNICATION AND INFORMATION THAT WE USE TODAY. IT IS ALSO USED TO CONTROL THE ESSENTIAL ELEMENTS OF ECONOMIC, SCIENTIFIC, AND PUBLIC AND PRIVATE LIFE: SECURITY, PRODUCTION, MOBILITY, MEDIA, AND HEALTHCARE. WITHOUT EXAGGERATING IT IS POSSIBLE TO SAY THAT DIGITAL TECHNOLOGY HAS BECOME ONE OF THE FOUNDATIONS OF OUR TECHNOLOGICALLY ORIENTED CIVILIZATION. THE BENEFITS OF MODERN DATA TECHNOLOGY ARE SO IMPRESSIVE AND THE POTENTIAL FOR FUTURE

APPLICATIONS SO ENORMOUS THAT WE CANNOT FAIL TO PROMOTE ITS DEVELOPMENT IF WE ARE TO RETAIN OUR LEADING ROLE IN THE COMPETITIVE INTERNATIONAL MARKETPLACE. IN THIS PROCESS, SECURITY PLAYS A VITAL ROLE IN EACH OF THE AREAS OF APPLICATION OF DIGITAL TECHNOLOGY — THE MORE TECHNOLOGICAL SECTORS ARE ENTRUSTED TO DATA SYSTEMS TECHNOLOGY, THE MORE IMPORTANT THEIR RELIABILITY BECOMES TO US. DEVELOPING DIGITAL SYSTEMS FURTHER WHILE SIMULTANEOUSLY ENSURING THAT THEY ALWAYS ACT AND RESPOND IN THE BEST INTERESTS OF PEOPLE IS A CENTRAL GOAL OF THE TECHNOLOGICAL RESEARCH AND DEVELOPMENT PROPAGATED AND CONDUCTED BY FRAUNHOFER.

THE BLACK AND GOLD; 29 - JAMES A GRAY HIGH SCHOOL NORTH HIGH 2021-09-10

THIS WORK HAS BEEN SELECTED BY SCHOLARS AS BEING CULTURALLY IMPORTANT AND IS PART OF THE KNOWLEDGE BASE OF CIVILIZATION AS WE KNOW IT. THIS WORK IS IN THE PUBLIC DOMAIN IN THE UNITED STATES OF AMERICA, AND POSSIBLY OTHER NATIONS. WITHIN THE UNITED STATES, YOU MAY FREELY COPY AND DISTRIBUTE THIS WORK, AS NO ENTITY (INDIVIDUAL OR CORPORATE) HAS A COPYRIGHT ON THE BODY OF THE WORK. SCHOLARS BELIEVE, AND WE CONCUR, THAT THIS WORK IS IMPORTANT ENOUGH TO BE PRESERVED, REPRODUCED, AND MADE GENERALLY AVAILABLE TO THE PUBLIC. TO ENSURE A QUALITY READING EXPERIENCE, THIS WORK HAS BEEN PROOFREAD AND REPUBLISHED USING A FORMAT THAT SEAMLESSLY BLENDS THE ORIGINAL GRAPHICAL ELEMENTS WITH TEXT IN AN EASY-TO-READ TYPEFACE. WE APPRECIATE YOUR SUPPORT OF THE PRESERVATION PROCESS, AND THANK YOU FOR BEING AN IMPORTANT PART OF KEEPING THIS KNOWLEDGE ALIVE AND RELEVANT.

- CATHERINE DAWSON 2019-07-12

THIS ACCESSIBLE, ALPHABETICAL GUIDE PROVIDES CONCISE INSIGHTS INTO A VARIETY OF DIGITAL RESEARCH METHODS, INCORPORATING INTRODUCTORY KNOWLEDGE WITH PRACTICAL APPLICATION AND FURTHER RESEARCH IMPLICATIONS. A-Z OF DIGITAL RESEARCH METHODS PROVIDES A PATHWAY THROUGH THE OFTEN-CONFUSING DIGITAL RESEARCH LANDSCAPE, WHILE ALSO ADDRESSING THEORETICAL, ETHICAL AND LEGAL ISSUES THAT MAY ACCOMPANY EACH METHODOLOGY. DAWSON OUTLINES 60 CHAPTERS ON A WIDE RANGE OF QUALITATIVE AND QUANTITATIVE DIGITAL RESEARCH METHODS, INCLUDING TEXTUAL, NUMERICAL, GEOGRAPHICAL AND AUDIO-VISUAL METHODS. THIS BOOK INCLUDES REFLECTION QUESTIONS, USEFUL RESOURCES AND KEY TEXTS TO ENCOURAGE READERS TO FULLY ENGAGE WITH THE METHODS AND BUILD A COMPETENT UNDERSTANDING OF THE BENEFITS, DISADVANTAGES AND APPROPRIATE USAGES OF EACH METHOD. A-Z OF DIGITAL RESEARCH METHODS IS THE PERFECT INTRODUCTION FOR ANY STUDENT OR RESEARCHER INTERESTED IN DIGITAL RESEARCH METHODS FOR SOCIAL AND COMPUTER SCIENCES.

STIRLING ENGINE DESIGN MANUAL - WILLIAM MARTINI 2013-01-25

FOR STIRLING ENGINES TO ENJOY WIDESPREAD APPLICATION AND ACCEPTANCE, NOT ONLY MUST THE FUNDAMENTAL OPERATION OF SUCH ENGINES BE WIDELY UNDERSTOOD, BUT THE REQUISITE ANALYTIC TOOLS FOR THE STIMULATION, DESIGN, EVALUATION AND OPTIMIZATION OF STIRLING ENGINE HARDWARE MUST BE READILY AVAILABLE. THE PURPOSE OF THIS DESIGN MANUAL IS TO PROVIDE AN INTRODUCTION TO STIRLING CYCLE HEAT ENGINES, TO ORGANIZE AND IDENTIFY THE AVAILABLE STIRLING ENGINE LITERATURE, AND TO IDENTIFY, ORGANIZE, EVALUATE AND, IN SO FAR AS POSSIBLE, COMPARE NON-PROPRIETARY STIRLING ENGINE DESIGN METHODOLOGIES. THIS REPORT WAS ORIGINALLY PREPARED FOR THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION AND THE U. S. DEPARTMENT OF ENERGY.

JANE'S SPACE DIRECTORY - 2002