

Applying Artificial Intelligence To Project Manag

GETTING THE BOOKS **APPLYING ARTIFICIAL INTELLIGENCE TO PROJECT MANAG** NOW IS NOT TYPE OF INSPIRING MEANS. YOU COULD NOT LONESOME GOING WITH EBOOK BUILDUP OR LIBRARY OR BORROWING FROM YOUR FRIENDS TO RIGHT TO USE THEM. THIS IS AN COMPLETELY SIMPLE MEANS TO SPECIFICALLY ACQUIRE GUIDE BY ON-LINE. THIS ONLINE PROCLAMATION APPLYING ARTIFICIAL INTELLIGENCE TO PROJECT MANAG CAN BE ONE OF THE OPTIONS TO ACCOMPANY YOU NEXT HAVING NEW TIME.

IT WILL NOT WASTE YOUR TIME. ENDURE ME, THE E-BOOK WILL UNQUESTIONABLY MELODY YOU EXTRA BUSINESS TO READ. JUST INVEST LITTLE ERA TO DOOR THIS ON-LINE PROCLAMATION **APPLYING ARTIFICIAL INTELLIGENCE TO PROJECT MANAG** AS SKILLFULLY AS EVALUATION THEM WHEREVER YOU ARE NOW.

APPLIED ARTIFICIAL INTELLIGENCE REPORTER - 1987

METHODS AND TOOLS FOR APPLIED ARTIFICIAL INTELLIGENCE
- Popovic 1994-05-02

THIS WORK PROVIDES A COMPREHENSIVE AND COHERENT INTRODUCTION TO THE EXPANDING FIELD OF ARTIFICIAL INTELLIGENCE (AI), EXPLAINING HOW KNOWLEDGE-BASED SYSTEMS ARE BUILT, WHAT TOOLS AND TECHNOLOGIES ARE RELEVANT AND AVAILABLE, AND HOW TO EMPLOY THEM IN SPECIFIC SITUATIONS. IT PAYS SPECIAL ATTENTION TO THE COMMERCIAL INTELLIGENCE SYSTEMS THAT EMERGED IN THE '80s, AS WELL AS PROJECTING THE LIKELY DEVELOPMENTS OF THE '90s.

NEW FRONTIERS IN APPLIED ARTIFICIAL INTELLIGENCE - LESZEK BORZEMSKI 2008-06-17

THE 21ST INTERNATIONAL CONFERENCE ON INDUSTRIAL, ENGINEERING AND OTHER APPLICATIONS OF APPLIED INTELLIGENT SYSTEMS (IEA-AIE 2008) HELD IN WROCLAW, POLAND WAS AN INTERNATIONAL SCIENTIFIC FORUM FOR RESEARCHERS IN THE FIELD OF APPLIED ARTIFICIAL INTELLIGENCE. THE PRESENTATIONS OF THE INVITED SPEAKERS AND THE AUTHORS FOCUSED ON DEVELOPING AND EMPLOYING METHODS AND SYSTEMS TO SOLVE REAL-LIFE PROBLEMS IN ALL APPLIED INTELLIGENCE AREAS. THE IEA-AIE CONFERENCE SERIES, CHAIRED BY MOONIS ALI, HAS A VERY LONG TRADITION, AND IT IS THE FIRST TIME IT WAS HOSTED IN POLAND. WE RECEIVED 302 PAPERS FROM 52 COUNTRIES. EACH PAPER WAS SENT TO AT LEAST THREE PROGRAM COMMITTEE MEMBERS FOR REVIEW. ALTHOUGH THE GENERAL QUALITY OF THE SUBMISSIONS WAS VERY HIGH, ONLY 90 BEST PAPERS WERE SELECTED FOR ORAL PRESENTATION AND PUBLICATION IN THE LNAI PROCEEDINGS. THE PAPERS IN THE PROCEEDINGS COVER THE FOLLOWING TOPICS: COMPUTER VISION, FUZZY SYSTEM APPLICATIONS, ROBOT, MANUFACTURING, DATA MINING AND KNOWLEDGE DISCOVERY, NEURAL NETWORK, MACHINE LEARNING, NATURAL LANGUAGE PROCESSING, INTERNET APPLICATION, E-LEARNING, HEURISTIC SEARCH, APPLICATION SYSTEMS, AGENT-BASED SYSTEM, EVOLUTIONARY AND GENETIC ALGORITHMS, KNOWLEDGE MANAGEMENT, AND OTHER APPLICATIONS. THESE PAPERS HIGHLIGHT NEW TRENDS AND FRONTIERS OF APPLIED ARTIFICIAL INTELLIGENCE AND SHOW HOW NEW RESEARCH COULD LEAD TO NEW AND INNOVATIVE APPLICATIONS. WE HOPE YOU WILL

FIND THESE WORKS USEFUL AND INSPIRING FOR YOUR OWN RESEARCH. WE WOULD LIKE TO EXPRESS OUR SINCERE THANKS TO THE PROGRAM COMMITTEE MEMBERS AND ALL THE REVIEWERS FOR THEIR HARD WORK, WHICH HELPED US TO SELECT THE HIGHEST QUALITY PAPERS FOR THE CONFERENCE.

AI & PROJECT MANAGEMENT FOR DUMMIES - OLIVER YARBROUGH 2022-03-02

MAKE AI A LITTLE LESS ALIEN THE POWER OF TECHNOLOGY DRIVEN BY ARTIFICIAL INTELLIGENCE IS CREEPING INTO THE WORLD OF BUSINESS. NOW IS NOT THE TIME TO SIT BACK AND WATCH HOW THIS NEW TECH CHANGES THE WORLD. PROFESSIONAL PROJECT MANAGERS ESPECIALLY CAN BENEFIT FROM USING AI TO PLAN, INITIATE, AND MANAGE PROJECTS IN A MORE INFORMED AND EFFICIENT MANNER. THIS BOOK GUIDES PEOPLE WHO KNOW PROJECT MANAGEMENT THROUGH BRINGING ARTIFICIAL INTELLIGENCE INTO THEIR TOOLBOX. DISCOVER HOW TO BUILD AN AI-POWERED PROJECT MODEL, PUT IT IN ACTION, AND BECOME A LEADER WITH THIS NEW TECHNOLOGY. INSIDE... GETTING TO KNOW WHAT AI CAN DO SETTING EXPECTATIONS AROUND AI BRINGING AI PROS INTO YOUR MANAGEMENT TEAM CREATING ACTIONABLE PLANS WITH AI APPLYING AI TO KEY PROJECT MANAGEMENT STEPS CREATING AN AI-BASED PROJECT MODEL KNOWING WHEN TO PUT AI ASIDE

SOFT COMPUTING FOR SECURITY APPLICATIONS - G. RANGANATHAN 2022-09-29

THIS BOOK FEATURES SELECTED PAPERS FROM THE INTERNATIONAL CONFERENCE ON SOFT COMPUTING FOR SECURITY APPLICATIONS (ICSCS 2022), HELD AT DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY, TAMIL NADU, INDIA, DURING APRIL 21-22, 2022. IT COVERS RECENT ADVANCES IN THE FIELD OF SOFT COMPUTING TECHNIQUES SUCH AS FUZZY LOGIC, NEURAL NETWORK, SUPPORT VECTOR MACHINES, EVOLUTIONARY COMPUTATION, MACHINE LEARNING AND PROBABILISTIC REASONING TO SOLVE VARIOUS REAL-TIME CHALLENGES. THIS BOOK PRESENTS INNOVATIVE WORK BY LEADING ACADEMICS, RESEARCHERS, AND EXPERTS FROM INDUSTRY.

ICS APPLIED ARTIFICIAL INTELLIGENCE REPORTER - 1987

HANDBOOK OF RESEARCH ON APPLIED AI FOR INTERNATIONAL BUSINESS AND MARKETING APPLICATIONS - CHRISTIANSEN, BRYAN 2020-09-25

ARTIFICIAL INTELLIGENCE (AI) DESCRIBES MACHINES/COMPUTERS THAT MIMIC COGNITIVE FUNCTIONS THAT HUMANS ASSOCIATE WITH OTHER HUMAN MINDS, SUCH AS LEARNING AND PROBLEM SOLVING. AS BUSINESSES HAVE EVOLVED TO INCLUDE MORE AUTOMATION OF PROCESSES, IT HAS BECOME MORE VITAL TO UNDERSTAND AI AND ITS VARIOUS APPLICATIONS. ADDITIONALLY, IT IS IMPORTANT FOR WORKERS IN THE MARKETING INDUSTRY TO UNDERSTAND HOW TO COINCIDE WITH AND UTILIZE THESE TECHNIQUES TO ENHANCE AND MAKE THEIR WORK MORE EFFICIENT. THE HANDBOOK OF RESEARCH ON APPLIED AI FOR INTERNATIONAL BUSINESS AND MARKETING APPLICATIONS IS A CRITICAL SCHOLARLY PUBLICATION THAT PROVIDES COMPREHENSIVE RESEARCH ON ARTIFICIAL INTELLIGENCE APPLICATIONS WITHIN THE CONTEXT OF INTERNATIONAL BUSINESS. HIGHLIGHTING A WIDE RANGE OF TOPICS SUCH AS DIVERSIFICATION, RISK MANAGEMENT, AND ARTIFICIAL INTELLIGENCE, THIS BOOK IS IDEAL FOR MARKETERS, BUSINESS PROFESSIONALS, ACADEMICIANS, PRACTITIONERS, RESEARCHERS, AND STUDENTS.

KNOWLEDGE PROCESSING AND APPLIED ARTIFICIAL INTELLIGENCE - SOUMITRA DUTTA 2014-05-16
KNOWLEDGE PROCESSING AND APPLIED ARTIFICIAL INTELLIGENCE DISCUSSES THE BUSINESS POTENTIAL OF KNOWLEDGE PROCESSING AND EXAMINES THE ASPECTS OF APPLIED ARTIFICIAL INTELLIGENCE TECHNOLOGY. THE BOOK IS COMPRISED OF NINE CHAPTERS THAT ARE ORGANIZED INTO FIVE PARTS. THE TEXT FIRST COVERS KNOWLEDGE PROCESSING AND APPLIED ARTIFICIAL INTELLIGENCE, AND THEN PROCEEDS TO TACKLING THE TECHNIQUES FOR ACQUIRING, REPRESENTING, AND REASONING WITH KNOWLEDGE. THE NEXT PART DEALS WITH THE PROCESS OF CREATING AND IMPLEMENTING STRATEGICALLY ADVANTAGEOUS KNOWLEDGE-BASED SYSTEM APPLICATIONS. THE FOURTH PART COVERS INTELLIGENT INTERFACES, WHILE THE LAST PART DETAILS ALTERNATIVE APPROACHES TO KNOWLEDGE PROCESSING. THE BOOK WILL BE OF GREAT USE TO STUDENTS AND PROFESSIONALS OF COMPUTER OR BUSINESS RELATED DISCIPLINES.

HOW THE PROJECT MANAGEMENT OFFICE CAN USE ARTIFICIAL INTELLIGENCE TO IMPROVE THE BOTTOM LINE - PAUL BOUDREAU 2020-04-02

ARTIFICIAL INTELLIGENCE IS FINALLY MAKING ITS WAY INTO PROJECT MANAGEMENT AND THE CHALLENGE IS TO TAKE ADVANTAGE OF ALL THE BENEFITS AND AVOID THE PITFALLS. IN A HIGHLY COMPETITIVE INDUSTRIAL ENVIRONMENT, THE PMO IS IN AN IDEAL POSITION TO UNDERSTAND, ADOPT AND OPTIMIZE AI TOOLS FOR PROJECT MANAGEMENT. THE PMO CAN ALIGN CORPORATE OBJECTIVES TO THE NEW TECHNOLOGY AND VASTLY IMPROVE THE BOTTOM LINE. THIS IS A BOTH A PRACTICAL GUIDE AND VISIONARY DESCRIPTION OF HOW AI WILL DISRUPT PROJECT MANAGEMENT AND HOW THE PMO CAN HARNESS THIS CAPABILITY TO CREATE A SUBSTANTIAL COMPETITIVE ADVANTAGE FOR THE ORGANIZATION.

DECISION SUPPORT FOR PRODUCT DEVELOPMENT - MARCIN RELICH 2020-11-22

THIS BOOK DESCRIBES HOW TO USE COMPUTATIONAL INTELLIGENCE AND ARTIFICIAL INTELLIGENCE TOOLS TO IMPROVE THE DECISION-MAKING PROCESS IN NEW PRODUCT

DEVELOPMENT. THESE APPROACHES, INCLUDING ARTIFICIAL NEURAL NETWORKS AND CONSTRAINT SATISFACTION SOLUTIONS, ENABLE A MORE PRECISE PREDICTION OF PRODUCT DEVELOPMENT PERFORMANCE COMPARED TO WIDELY USED MULTIPLE REGRESSION MODELS. THEY SUPPORT DECISION-MAKERS BY PROVIDING MORE RELIABLE INFORMATION REGARDING, FOR EXAMPLE, PROJECT PORTFOLIO SELECTION AND PROJECT SCHEDULING. THE BOOK IS APPROPRIATE FOR COMPUTER SCIENTISTS, MANAGEMENT SCIENTISTS, STUDENTS AND PRACTITIONERS ENGAGED WITH PRODUCT INNOVATION AND COMPUTATIONAL INTELLIGENCE APPLICATIONS.

7TH INTERNATIONAL CONFERENCE ON PRACTICAL APPLICATIONS OF AGENTS AND MULTI-AGENT SYSTEMS (PAAMS'09) - YVES DEMAZEAU 2009-03-08

PAAMS, THE INTERNATIONAL CONFERENCE ON PRACTICAL APPLICATIONS OF AGENTS AND MULTI-AGENT SYSTEMS IS AN EVOLUTION OF THE INTERNATIONAL WORKSHOP ON PRACTICAL APPLICATIONS OF AGENTS AND MULTI-AGENT SYSTEMS. PAAMS IS AN INTERNATIONAL YEARLY TRIBUNE TO PRESENT, TO DISCUSS, AND TO DISSEMINATE THE LATEST DEVELOPMENTS AND THE MOST IMPORTANT OUTCOMES RELATED TO REAL-WORLD APPLICATIONS. IT PROVIDES A UNIQUE OPPORTUNITY TO BRING MULTI-DISCIPLINARY EXPERTS, ACADEMICS AND PRACTITIONERS TOGETHER TO EXCHANGE THEIR EXPERIENCE IN THE DEVELOPMENT OF AGENTS AND MULTI-AGENT SYSTEMS. THIS VOLUME PRESENTS THE PAPERS THAT HAVE BEEN ACCEPTED FOR THE 2009 EDITION. THESE ARTICLES CAPTURE THE MOST INNOVATIVE RESULTS AND THIS YEAR'S TRENDS: ASSISTED COGNITION, E-COMMERCE, GRID COMPUTING, HUMAN MODELLING, INFORMATION SYSTEMS, KNOWLEDGE MANAGEMENT, AGENT-BASED SIMULATION, SOFTWARE DEVELOPMENT, TRANSPORTS, TRUST AND SECURITY. EACH PAPER HAS BEEN REVIEWED BY THREE DIFFERENT REVIEWERS, FROM AN INTERNATIONAL COMMITTEE COMPOSED OF 64 MEMBERS FROM 20 DIFFERENT COUNTRIES. FROM THE 92 SUBMISSIONS RECEIVED, 35 WERE SELECTED FOR FULL PRESENTATION AT THE CONFERENCE, AND 26 WERE ACCEPTED AS POSTERS.

OPTIMISING THE SOFTWARE DEVELOPMENT PROCESS WITH ARTIFICIAL INTELLIGENCE - JOSÉ RAÚL ROMERO 2023-07-19

THIS BOOK OFFERS A PRACTICAL INTRODUCTION TO THE USE OF ARTIFICIAL INTELLIGENCE (AI) TECHNIQUES TO IMPROVE AND OPTIMISE THE VARIOUS PHASES OF THE SOFTWARE DEVELOPMENT PROCESS, FROM THE INITIAL PROJECT PLANNING TO THE LATEST DEPLOYMENT. ALL CHAPTERS WERE WRITTEN BY LEADING EXPERTS IN THE FIELD AND INCLUDE PRACTICAL AND REPRODUCIBLE EXAMPLES. FOLLOWING THE INTRODUCTORY CHAPTER, CHAPTERS 2-9 RESPECTIVELY APPLY AI TECHNIQUES TO THE CLASSIC PHASES OF THE SOFTWARE DEVELOPMENT PROCESS: PROJECT MANAGEMENT, REQUIREMENT ENGINEERING, ANALYSIS AND DESIGN, CODING, CLOUD DEPLOYMENT, UNIT AND SYSTEM TESTING, AND MAINTENANCE. SUBSEQUENTLY, CHAPTERS 10 AND 11 PROVIDE FOUNDATIONAL TUTORIALS ON THE AI TECHNIQUES USED IN THE PRECEDING CHAPTERS: METAHEURISTICS AND MACHINE LEARNING. GIVEN ITS SCOPE AND FOCUS, THE BOOK REPRESENTS A VALUABLE RESOURCE FOR RESEARCHERS, PRACTITIONERS AND STUDENTS WITH A BASIC GRASP OF

SOFTWARE ENGINEERING.

HARVARD BUSINESS REVIEW PROJECT MANAGEMENT

HANDBOOK - ANTONIO NIETO-RODRIGUEZ 2021-10-19

THE ONE PRIMER YOU NEED TO LAUNCH, LEAD, AND SPONSOR SUCCESSFUL PROJECTS. WE'RE NOW LIVING IN THE PROJECT ECONOMY. THE NUMBER OF PROJECTS INITIATED IN ALL SECTORS HAS SKYROCKETED, AND PROJECT MANAGEMENT SKILLS HAVE BECOME ESSENTIAL FOR EVERY LEADER AND MANAGER. STILL, PROJECT FAILURE RATES REMAIN EXTREMELY HIGH. WHY? LEADERS OVERSEE TOO MANY PROJECTS AND HAVE TOO LITTLE VISIBILITY INTO THEM. PROJECT MANAGERS STRUGGLE TO TRANSLATE THEIR HANDS-ON, TECHNICAL KNOWLEDGE UP TO SENIOR MANAGEMENT. THE RESULT? WORTHY PROJECTS ARE STARVED OF TIME AND RESOURCES AND FAIL TO DELIVER BENEFITS, WHILE TOO MUCH INVESTMENT GOES INTO THE WRONG PROJECTS. TO COMPETE IN THE PROJECT ECONOMY, YOU NEED TO CLOSE THIS GAP. THE HBR PROJECT MANAGEMENT HANDBOOK SHOWS YOU HOW. IN THIS COMPREHENSIVE GUIDE, PROJECT MANAGEMENT EXPERT ANTONIO NIETO-RODRIGUEZ PRESENTS A NEW AND SIMPLE FRAMEWORK THAT WILL INCREASE ANY PROJECT'S LIKELIHOOD OF SUCCESS. PACKED WITH CASE STUDIES FROM MANY INDUSTRIES WORLDWIDE, IT WILL TEACH YOU HOW TO MANAGE YOUR ORGANIZATION'S PROJECTS, STRATEGIC PROGRAMS, AND AGILE INITIATIVES MORE EFFECTIVELY AND PUSH THE BEST ONES AHEAD TO COMPLETION. TIMELESS YET FORWARD-LOOKING, THIS BOOK WILL HELP YOU WIN IN THE PROJECT-DRIVEN WORLD. IN THE HBR PROJECT MANAGEMENT HANDBOOK YOU'LL FIND: EVERYTHING YOU NEED TO KNOW ABOUT PROJECT MANAGEMENT IN PRACTICAL, NONTECHNICAL LANGUAGE A DEFINITIVE TAXONOMY OF PROJECT TYPES, FROM PRODUCT LAUNCHES TO DIGITAL TRANSFORMATIONS TO MEGAPROJECTS A ROAD MAP FOR BECOMING AN EFFECTIVE PROJECT LEADER AND EXECUTIVE SPONSOR A NEW, SIMPLE, AND UNIVERSAL PROJECT FRAMEWORK, THE PROJECT CANVAS, THAT BREAKS DOWN ANY PROJECT INTO ESSENTIAL BUILDING BLOCKS THAT CAN BE EASILY UNDERSTOOD BY ALL PROJECT STAKEHOLDERS ORIGINAL CONCEPTS AND EXCLUSIVE CASE STUDIES FROM PUBLIC- AND PRIVATE-SECTOR ORGANIZATIONS WORLDWIDE YOU'LL LEARN: A COMMON LANGUAGE FOR PROJECT MANAGERS AND EXECUTIVES TO RUN SUCCESSFUL PROJECTS ACROSS YOUR ORGANIZATION WHEN TO USE AGILE, TRADITIONAL, OR HYBRID METHODS IN YOUR PROJECTS THE TWELVE PRINCIPLES OF SUCCESSFUL PROJECTS, INCLUDING PURPOSE, AGILITY, AND A FOCUS ON OUTCOMES TECHNIQUES FOR SELECTING AND ADVANCING THE BEST PROJECTS AND MANAGING A STRATEGIC AND BALANCED PROJECT PORTFOLIO HOW TODAY'S PROJECTS WILL HELP ADDRESS SOME OF THE MOST PRESSING GLOBAL TRENDS, INCLUDING AUTOMATION, SUSTAINABILITY, DIVERSITY, AND CRISIS MANAGEMENT WHY PROJECT MANAGEMENT NEEDED TO BE REINVENTED AND WHAT THE FUTURE HOLDS HBR HANDBOOKS PROVIDE AMBITIOUS PROFESSIONALS WITH THE FRAMEWORKS, ADVICE, AND TOOLS THEY NEED TO EXCEL IN THEIR CAREERS. WITH STEP-BY-STEP GUIDANCE, TIME-HONED BEST PRACTICES, AND REAL-LIFE STORIES, EACH COMPREHENSIVE VOLUME HELPS YOU TO STAND OUT FROM THE PACK—WHATEVER YOUR ROLE.

WEB, ARTIFICIAL INTELLIGENCE AND NETWORK APPLICATIONS - LEONARD BAROLLI 2019-03-14

THE AIM OF THE BOOK IS TO PROVIDE LATEST RESEARCH FINDINGS, INNOVATIVE RESEARCH RESULTS, METHODS AND DEVELOPMENT TECHNIQUES FROM BOTH THEORETICAL AND PRACTICAL PERSPECTIVES RELATED TO THE EMERGING AREAS OF WEB COMPUTING, INTELLIGENT SYSTEMS AND INTERNET COMPUTING. AS THE WEB HAS BECOME A MAJOR SOURCE OF INFORMATION, TECHNIQUES AND METHODOLOGIES THAT EXTRACT QUALITY INFORMATION ARE OF PARAMOUNT IMPORTANCE FOR MANY WEB AND INTERNET APPLICATIONS. DATA MINING AND KNOWLEDGE DISCOVERY PLAY KEY ROLES IN MANY OF TODAY'S PROMINENT WEB APPLICATIONS SUCH AS E-COMMERCE AND COMPUTER SECURITY. MOREOVER, THE OUTCOME OF WEB SERVICES DELIVERS A NEW PLATFORM FOR ENABLING SERVICE-ORIENTED SYSTEMS. THE EMERGENCE OF LARGE SCALE DISTRIBUTED COMPUTING PARADIGMS, SUCH AS CLOUD COMPUTING AND MOBILE COMPUTING SYSTEMS, HAS OPENED MANY OPPORTUNITIES FOR COLLABORATION SERVICES, WHICH ARE AT THE CORE OF ANY INFORMATION SYSTEM. ARTIFICIAL INTELLIGENCE (AI) IS AN AREA OF COMPUTER SCIENCE THAT BUILD INTELLIGENT SYSTEMS AND ALGORITHMS THAT WORK AND REACT LIKE HUMANS. THE AI TECHNIQUES AND COMPUTATIONAL INTELLIGENCE ARE POWERFUL TOOLS FOR LEARNING, ADAPTATION, REASONING AND PLANNING. THEY HAVE THE POTENTIAL TO BECOME ENABLING TECHNOLOGIES FOR THE FUTURE INTELLIGENT NETWORKS. RECENT RESEARCH IN THE FIELD OF INTELLIGENT SYSTEMS, ROBOTICS, NEUROSCIENCE, ARTIFICIAL INTELLIGENCE AND COGNITIVE SCIENCES ARE VERY IMPORTANT FOR THE FUTURE DEVELOPMENT AND INNOVATION OF WEB AND INTERNET APPLICATIONS.

INTELLIGENT SYSTEMS DESIGN AND APPLICATIONS - AJITH ABRAHAM 2021-06-02

THIS BOOK HIGHLIGHTS RECENT RESEARCH ON INTELLIGENT SYSTEMS AND NATURE-INSPIRED COMPUTING. IT PRESENTS 130 SELECTED PAPERS FROM THE 19TH INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS DESIGN AND APPLICATIONS (ISDA 2020), WHICH WAS HELD ONLINE. THE ISDA IS A PREMIER CONFERENCE IN THE FIELD OF COMPUTATIONAL INTELLIGENCE, AND THE LATEST INSTALLMENT BROUGHT TOGETHER RESEARCHERS, ENGINEERS AND PRACTITIONERS WHOSE WORK INVOLVES INTELLIGENT SYSTEMS AND THEIR APPLICATIONS IN INDUSTRY. INCLUDING CONTRIBUTIONS BY AUTHORS FROM 40 COUNTRIES, THE BOOK OFFERS A VALUABLE REFERENCE GUIDE FOR ALL RESEARCHERS, STUDENTS AND PRACTITIONERS IN THE FIELDS OF COMPUTER SCIENCE AND ENGINEERING.

INNOVATIONS IN APPLIED ARTIFICIAL INTELLIGENCE - BOB ORCHARD 2004-04-22

"INTELLIGENT SYSTEMS MUST PERFORM IN ORDER TO BE IN DEMAND." INTELLIGENT SYSTEMS TECHNOLOGY IS BEING APPLIED STEADILY IN SOLVING MANY DAY-TO-DAY PROBLEMS. EACH YEAR THE LIST OF REAL-WORLD DEPLOYED APPLICATIONS THAT INCONSPICUOUSLY HOST THE RESULTS OF RESEARCH IN THE AREA GROWS CONSIDERABLY. THESE APPLICATIONS ARE HAVING A SIGNIFICANT IMPACT IN INDUSTRIAL OPERATIONS, IN FINANCIAL CIRCLES, IN TRANSPORTATION, IN EDUCATION, IN MEDICINE, IN CONSUMER PRODUCTS, IN GAMES AND ELSEWHERE. A SET OF SELECTED PAPERS PRESENTED AT THE SEVENTEENTH IN THE SERIES OF

CONFERENCES ON INDUSTRIAL AND ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE AND EXPERT SYSTEMS (IEA/AIE 2004), SPONSORED BY THE INTERNATIONAL SOCIETY OF APPLIED INTELLIGENCE, IS OFFERED IN THIS MANUSCRIPT. THESE PAPERS HIGHLIGHT NOVEL APPLICATIONS OF THE TECHNOLOGY AND SHOW HOW NEW RESEARCH COULD LEAD TO NEW AND INNOVATIVE APPLICATIONS. WE HOPE THAT YOU FIND THESE PAPERS TO BE EDUCATIONAL, USEFUL IN YOUR OWN RESEARCH, AND STIMULATING. IN ADDITION, WE HAVE INTRODUCED SOME SPECIAL SESSIONS TO EMPHASIZE A FEW AREAS OF ARTIFICIAL INTELLIGENCE (AI) THAT ARE EITHER RELATIVELY NEW, HAVE RECEIVED CONSIDERABLE ATTENTION RECENTLY OR PERHAPS HAVE NOT YET BEEN REPRESENTED WELL. TO THIS END, WE HAVE INCLUDED SPECIAL SESSIONS ON E-LEARNING, BIOINFORMATICS, AND HUMAN-ROBOT INTERACTION (HRI) TO COMPLEMENT THE USUAL OFFERINGS IN AREAS SUCH AS DATA MINING, MACHINE LEARNING, INTELLIGENT SYSTEMS, NEURAL NETWORKS, GENETIC ALGORITHMS, AUTONOMOUS AGENTS, NATURAL LANGUAGE PROCESSING, INTELLIGENT USER INTERFACES, EVOLUTIONARY COMPUTING, FUZZY LOGIC, COMPUTER VISION AND IMAGE PROCESSING, REASONING, HEURISTIC SEARCH, SECURITY, INTERNET APPLICATIONS, CONSTRAINT SATISFACTION PROBLEMS, DESIGN, AND EXPERT SYSTEMS.

ARTIFICIAL INTELLIGENCE AND SIMULATION - TAG G. KIM
2005-02-07

THIS BOOK CONSTITUTES THE REFEREED POST-PROCEEDINGS OF THE 13TH INTERNATIONAL CONFERENCE ON AI, SIMULATION, AND PLANNING IN HIGH AUTONOMY SYSTEMS, AIS 2004, HELD IN JEJU ISLAND, KOREA IN OCTOBER 2004. THE 74 REVISED FULL PAPERS PRESENTED TOGETHER WITH 2 INVITED KEYNOTE PAPERS WERE CAREFULLY REVIEWED AND SELECTED FROM 170 SUBMISSIONS; AFTER THE CONFERENCE, THE PAPERS WENT THROUGH ANOTHER ROUND OF REVISION. THE PAPERS ARE ORGANIZED IN TOPICAL SECTIONS ON MODELING AND SIMULATION METHODOLOGIES, INTELLIGENT CONTROL, COMPUTER AND NETWORK SECURITY, HLA AND SIMULATOR INTEROPERATION, MANUFACTURING, AGENT-BASED MODELING, DEVS MODELING AND SIMULATION, PARALLEL AND DISTRIBUTED MODELING AND SIMULATION, MOBILE COMPUTER NETWORKS, WEB-BASED SIMULATION AND NATURAL SYSTEMS, MODELING AND SIMULATION ENVIRONMENTS, AI AND SIMULATION, COMPONENT-BASED MODELING, WATERMARKING AND SEMANTICS, GRAPHICS, VISUALIZATION AND ANIMATION, AND BUSINESS MODELING.

MACHINE LEARNING WITH DYNAMICS 365 AND POWER PLATFORM - AURELIEN CLERE
2022-01-06

APPLY CUTTING-EDGE AI TECHNIQUES TO YOUR DYNAMICS 365 ENVIRONMENT TO CREATE NEW SOLUTIONS TO OLD BUSINESS PROBLEMS IN MACHINE LEARNING WITH DYNAMICS 365 AND POWER PLATFORM: THE ULTIMATE GUIDE TO APPLY PREDICTIVE ANALYTICS, AN ACCOMPLISHED TEAM OF DIGITAL AND DATA ANALYTICS EXPERTS DELIVERS A PRACTICAL AND COMPREHENSIVE DISCUSSION OF HOW TO INTEGRATE AI BUILDER WITH DATAVERSE AND DYNAMICS 365 TO CREATE REAL-WORLD BUSINESS SOLUTIONS. IT ALSO WALKS YOU THROUGH HOW TO BUILD POWERFUL MACHINE LEARNING MODELS USING AZURE DATA LAKE, DATABRICKS, AZURE SYNAPSE ANALYTICS. THE BOOK IS FILLED WITH

CLEAR EXPLANATIONS, VISUALIZATIONS, AND WORKING EXAMPLES THAT GET YOU UP AND RUNNING IN YOUR DEVELOPMENT OF SUPERVISED, UNSUPERVISED, AND REINFORCEMENT LEARNING TECHNIQUES USING MICROSOFT MACHINE LEARNING TOOLS AND TECHNOLOGIES. THESE STRATEGIES WILL TRANSFORM YOUR BUSINESS VERTICALS, REDUCING COSTS AND MANUAL PROCESSES IN FINANCE AND OPERATIONS, RETAIL, TELECOMMUNICATIONS, AND MANUFACTURING INDUSTRIES. THE AUTHORS DEMONSTRATE: WHAT MACHINE LEARNING IS ALL ABOUT AND HOW IT CAN BE APPLIED TO YOUR ORGANIZATION'S DYNAMICS 365 AND POWER PLATFORM PROJECTS THE CREATION AND MANAGEMENT OF ENVIRONMENTS FOR DEVELOPMENT, TESTING, AND PRODUCTION OF A MACHINE LEARNING PROJECT HOW ADOPTING MACHINE LEARNING TECHNIQUES WILL REDEFINE THE FUTURE OF YOUR ERP/CRM SYSTEM PERFECT FOR TECHNICAL CONSULTANTS, SOFTWARE DEVELOPERS, AND SOLUTION ARCHITECTS, MACHINE LEARNING WITH DYNAMICS 365 AND POWER PLATFORM IS ALSO AN INDISPENSABLE GUIDE FOR CHIEF TECHNOLOGY OFFICERS SEEKING AN INTUITIVE RESOURCE FOR HOW TO IMPLEMENT MACHINE LEARNING IN MODERN BUSINESS APPLICATIONS TO SOLVE REAL-WORLD PROBLEMS.

ARTIFICIAL INTELLIGENCE IN ASSET MANAGEMENT - S[?] HNKE M.
BARTRAM 2020-08-28

ARTIFICIAL INTELLIGENCE (AI) HAS GROWN IN PRESENCE IN ASSET MANAGEMENT AND HAS REVOLUTIONIZED THE SECTOR IN MANY WAYS. IT HAS IMPROVED PORTFOLIO MANAGEMENT, TRADING, AND RISK MANAGEMENT PRACTICES BY INCREASING EFFICIENCY, ACCURACY, AND COMPLIANCE. IN PARTICULAR, AI TECHNIQUES HELP CONSTRUCT PORTFOLIOS BASED ON MORE ACCURATE RISK AND RETURN FORECASTS AND MORE COMPLEX CONSTRAINTS. TRADING ALGORITHMS USE AI TO DEVISE NOVEL TRADING SIGNALS AND EXECUTE TRADES WITH LOWER TRANSACTION COSTS. AI ALSO IMPROVES RISK MODELING AND FORECASTING BY GENERATING INSIGHTS FROM NEW DATA SOURCES. FINALLY, ROBO-ADVISORS OWE A LARGE PART OF THEIR SUCCESS TO AI TECHNIQUES. YET THE USE OF AI CAN ALSO CREATE NEW RISKS AND CHALLENGES, SUCH AS THOSE RESULTING FROM MODEL OPACITY, COMPLEXITY, AND RELIANCE ON DATA INTEGRITY.

MANAGING KNOWLEDGE WITH ARTIFICIAL INTELLIGENCE -
KEVIN C. DESOUZA 2002-07-30

IN CLEAR, READABLE LANGUAGE, CONSULTANT AND RESEARCHER KEVIN DESOUZA ACCOMPLISHES AN UNLIKELY FEAT: EXPLAINING ARTIFICIAL INTELLIGENCE TO NONSPECIALISTS, IN A WAY THAT EXPERTS WILL RECOGNIZE AND ACCEPT AS CORRECT AND IMMEDIATELY APPLICABLE. WORKERS IN KNOWLEDGE MANAGEMENT ARE RELATIVELY ISOLATED FROM EACH OTHER, BUSINESSPEOPLE ARE STILL UNCONVINCED THAT ARTIFICIAL INTELLIGENCE HAS MUCH TO OFFER, AND ENGINEERS CREATING THE LATEST ALGORITHM OR DEVICE SELDOM CONSIDER ITS VALUE FOR BUSINESSPEOPLE—DESOUZA SEEKS TO CHANGE ALL THAT. HE MAINTAINS THAT KNOWLEDGE WILL BE TRADED LIKE PHYSICAL GOODS, AND THAT BUSINESSES MUST LEVERAGE KNOWLEDGE RESOURCES WITHIN ITS ORGANIZATIONS TO SURVIVE IN A HIGHLY COMPETITIVE MARKETPLACE. INTRODUCING US THE CONCEPTS AND SIGNIFICANCE OF KNOWLEDGE MANAGEMENT, HE

SHOWS THAT INCORPORATING ARTIFICIAL INTELLIGENCE COMPUTER-BASED TECHNIQUES INTO BUSINESS SETTINGS CAN PROVIDE TRULY SIGNIFICANT GAINS IN PRODUCTIVITY. THIS BOOK IS AMONG THE FIRST OF ITS KIND TO PROVIDE A COMPREHENSIVE ONE-STOP GUIDE TO THE BASICS OF KNOWLEDGE MANAGEMENT, PLUS A LUCID EXPLANATION OF A.I., AND HOW TO USE IT IN ALMOST ALL TYPES OF ORGANIZATIONAL SETTINGS.

LEAN PROJECT MANAGEMENT - HOW TO APPLY LEAN THINKING TO PROJECT MANAGEMENT - RAINER ERNE
2022-01-29

THIS BOOK SHOWS HOW THE PRINCIPLES OF LEAN MANAGEMENT CAN BE APPLIED TO PROJECT MANAGEMENT AND HOW SOME TYPICAL PROBLEMS OF PROJECT MANAGEMENT CAN BE SOLVED BY THIS. THE AUTHOR FIRST PROVIDES A THEORETICAL DESCRIPTION OF WHAT PROJECT MANAGEMENT IS ABOUT AND EXPLAINS ITS TASKS AND METHODS AS WELL AS ITS LIMITATIONS. HE ALSO DESCRIBES HOW THE LEAN IDEA CAME ABOUT AND DERIVES FIVE PRINCIPLES FROM IT THAT CAN ALSO BE APPLIED TO PROJECT MANAGEMENT. ALONG THESE PRINCIPLES, THE AUTHOR THEN ELABORATES TYPICAL CURRENT CHALLENGES OF PROJECT MANAGEMENT AND SHOWS HOW THESE CHALLENGES CAN BE TACKLED THROUGH LEAN PROJECT MANAGEMENT. IN DOING SO, HE DOES NOT STOP AT THE LEVEL OF PRINCIPLES, BUT DESCRIBES SPECIFIC TASKS AND TOOLS THAT ARE USEFUL ESPECIALLY FOR EXPERIENCED PRACTITIONERS OF PROJECT MANAGEMENT. THIS BOOK IS A TRANSLATION OF THE ORIGINAL GERMAN 1ST EDITION LEAN PROJECT MANAGEMENT - WIE MAN DEN LEAN-GEDANKEN IM PROJEKTMANAGEMENT EINSETZEN KANN BY RAINER ERNE, PUBLISHED BY SPRINGER FACHMEDIEN WIESBADEN GMBH, PART OF SPRINGER NATURE IN 2019. THE TRANSLATION WAS DONE WITH THE HELP OF ARTIFICIAL INTELLIGENCE (MACHINE TRANSLATION BY THE SERVICE DEEPL.COM). A SUBSEQUENT HUMAN REVISION WAS DONE PRIMARILY IN TERMS OF CONTENT, SO THAT THE BOOK WILL READ STYLISTICALLY DIFFERENTLY FROM A CONVENTIONAL TRANSLATION. SPRINGER NATURE WORKS CONTINUOUSLY TO FURTHER THE DEVELOPMENT OF TOOLS FOR THE PRODUCTION OF BOOKS AND ON THE RELATED TECHNOLOGIES TO SUPPORT THE AUTHORS.

HANDBOOK OF RESEARCH ON APPLIED ARTIFICIAL INTELLIGENCE AND ROBOTICS FOR GOVERNMENT PROCESSES - VALLE-CRUZ, DAVID
2022-09-16

ARTIFICIAL INTELLIGENCE (AI) AND ROBOTICS HAVE BOOMED IN THE 21ST CENTURY. THESE EMERGING AND DISRUPTIVE TECHNOLOGIES ARE IMMERSSED IN OUR LIVES, FROM APPS IN MOBILE DEVICES, THE PURCHASES WE MAKE ON THE INTERNET STREAMING PLATFORMS, AND EVEN COURT DECISIONS AND PREDICTIVE POLICING. TOGETHER WITH SCIENCE AND CERTAIN NEEDS, RELEVANT IMPLEMENTATIONS OF AI AND ROBOTICS ARISE, RELATED TO ITS TRANSPARENCY, RESULTING IN BIASES, THE KINDS OF APPLICATIONS THAT CAN BE IMPLEMENTED, AND THE DEGREE OF WORKFORCE REPLACEMENT IN DECISION-MAKING ASSISTANCE. IT IS ESSENTIAL TO ANALYZE THE WIDELY USED AI TECHNIQUES, THE APPLICATION OF THESE TECHNOLOGIES IN DIFFERENT SECTORS, THE IMPLICATIONS OF AI AND ROBOTICS ON SOCIETY AND WELFARE, AND MORE. THE HANDBOOK OF RESEARCH ON APPLIED ARTIFICIAL INTELLIGENCE AND ROBOTICS FOR GOVERNMENT PROCESSES PRESENTS STATE-

OF-THE-ART RESEARCH ON AI AND ROBOTICS IN DIFFERENT FIELDS OF KNOWLEDGE, ITS BENEFITS, APPLICATIONS, AND IMPLICATIONS. IT FEATURES CHAPTERS CONTAINING THEORETICAL AND PRACTICAL RESEARCH THAT ANALYZES THE TRANSPARENCY AND EXPANDABILITY OF AI IN DIFFERENT FIELDS, AS WELL AS THE ANALYSIS OF UNEXPECTED RESULTS, BIASES, AND CASES OF DISCRIMINATION. COVERING TOPICS SUCH AS CRIMINAL INTELLIGENCE, ARTIFICIAL INTELLIGENCE-BASED CHATBOTS, AND GENDER VIOLENCE, THIS MAJOR REFERENCE WORK IS AN EXCELLENT RESOURCE FOR GOVERNMENT OFFICIALS, PRACTITIONERS IN THE PUBLIC SECTOR, BUSINESS ADMINISTRATORS AND MANAGERS, IT PROFESSIONALS, LAW ENFORCEMENT, FEDERAL AGENCIES, STUDENTS AND FACULTY OF HIGHER EDUCATION, RESEARCHERS, AND ACADEMICIANS.

APPLIED ARTIFICIAL INTELLIGENCE: MEDICINE, BIOLOGY, CHEMISTRY, FINANCIAL, GAMES, ENGINEERING - NENAD FILIPOVIC
2023-04-04

THE BOOK IS COVERING KNOWLEDGE AND RESULTS IN THEORY, METHODOLOGY, AND APPLICATIONS OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN ACADEMIA AND INDUSTRY. NOWADAYS, ARTIFICIAL INTELLIGENCE HAS BEEN USED IN EVERY COMPANY WHERE INTELLIGENCE ELEMENTS ARE EMBEDDED INSIDE SENSORS, DEVICES, MACHINES, COMPUTERS AND NETWORKS. THE CHAPTERS IN THIS BOOK INTEGRATED APPROACH TOWARD GLOBAL EXCHANGE OF INFORMATION ON TECHNOLOGICAL ADVANCES, SCIENTIFIC INNOVATIONS, AND THE EFFECTIVENESS OF VARIOUS REGULATORY PROGRAMS TOWARD AI APPLICATION IN MEDICINE, BIOLOGY, CHEMISTRY, FINANCIAL, GAMES, LAW, AND ENGINEERING. READERS CAN FIND AI APPLICATION IN INDUSTRIAL WORKPLACE SAFETY, MANUFACTURING SYSTEMS, MEDICAL IMAGING, BIOMEDICAL ENGINEERING APPLICATION, DIFFERENT COMPUTATIONAL PARADIGM, COVID-19, LIVER TRACKING, DRUG DELIVERY SYSTEM, AND COST-EFFECTIVENESS ANALYSIS. REAL EXAMPLES FROM ACADEMIA AND INDUSTRY GIVE BEYOND STATE OF THE ART FOR APPLICATION OF AI AND ML IN DIFFERENT AREAS. THESE CHAPTERS ARE EXTENDED PAPERS FROM THE FIRST SERBIAN INTERNATIONAL CONFERENCE ON APPLIED ARTIFICIAL INTELLIGENCE (SICAAI), WHICH WAS HELD IN KRAGUJEVAC, SERBIA, ON MAY 19-20, 2022.

ARTIFICIAL INTELLIGENCE IN PROJECT MANAGEMENT AND MAKING DECISIONS - PEDRO Y. PIÑERO PÉREZ
2022-04-07

THIS BOOK PRESENTS NEW DEVELOPMENTS AND ADVANCES IN THE THEORY, APPLICATIONS, AND DESIGN METHODS OF COMPUTATIONAL INTELLIGENCE, INTEGRATED IN VARIOUS AREAS OF PROJECT MANAGEMENT AND BIM ENVIRONMENTS. THE CHAPTERS OF THE BOOK SPAN DIFFERENT SOFT COMPUTING TECHNIQUES, SUCH AS: LINGUISTIC DATA SUMMARIZATION, FUZZY SYSTEMS, EVOLUTIONARY ALGORITHMS, ESTIMATION DISTRIBUTION ALGORITHMS, COMPUTING WITH WORDS, AUGMENTED REALITY, AND HYBRID INTELLIGENCE SYSTEMS. IN ADDITION, DIFFERENT APPLICATIONS OF THE NEUTROSOPHIC THEORY ARE PRESENTED FOR THE TREATMENT OF UNCERTAINTY AND INDETERMINACY IN DECISION-MAKING PROCESSES. SEVERAL CHAPTERS OF THE BOOK CONSTITUTE SYSTEMATIC REVIEWS, USEFUL FOR FUTURE INVESTIGATIONS IN THE FOLLOWING TOPICS: LINGUISTIC SUMMARIZATION OF DATA, AUGMENTED REALITY,

AND THE DEVELOPMENT OF BIM TECHNOLOGIES. IT IS A PARTICULARLY INTERESTING BOOK FOR ENGINEERS, RESEARCHERS, SPECIALISTS, TEACHERS, AND STUDENTS RELATED TO PROJECT MANAGEMENT AND THE DEVELOPMENT OF BIM TECHNOLOGIES.

AI AND THE PROJECT MANAGER - PETER TAYLOR
2021-10-27

ENABLING PROJECT MANAGERS TO ADAPT TO THE NEW TECHNOLOGY OF ARTIFICIAL INTELLIGENCE, THIS FIRST COMPREHENSIVE BOOK ON THE TOPIC DISCUSSES HOW AI WILL REINVENT THE PROJECT WORLD AND ALLOW PROJECT MANAGERS TO FOCUS ON PEOPLE. STUDIES SHOW THAT BY 2030, 80 PERCENT OF PROJECT MANAGEMENT TASKS, SUCH AS DATA COLLECTION, REPORTING, AND PREDICTIVE ANALYSIS, WILL BE CARRIED OUT BY AI IN A CONSISTENT AND EFFICIENT MANNER. THIS BOOK SETS OUT TO EXPLORE WHAT THIS WILL MEAN FOR PROJECT MANAGERS AROUND THE WORLD AND EQUIPS THEM TO EMBRACE THIS TECHNOLOGICAL ADVANTAGE FOR GREATER PROJECT SUCCESS. FILLED WITH INSIGHTS AND EXAMPLES FROM TECH PROVIDERS AND PROJECT EXPERTS, THIS BOOK IS AN INVALUABLE RESOURCE FOR PMO LEADERS, CHANGE EXECUTIVES, PROJECT MANAGERS, PROGRAMME MANAGERS, AND PORTFOLIO MANAGERS. ANYONE WHO IS PART OF THE GLOBAL COMMUNITY OF CHANGE AND PROJECT LEADERSHIP NEEDS TO ACCEPT AND UNDERSTAND THE FAST- APPROACHING AI TECHNOLOGY, AND THIS BOOK SHOWS HOW TO USE IT TO THEIR ADVANTAGE.

APPLYING ARTIFICIAL INTELLIGENCE TO PROJECT MANAGEMENT - PAUL BOUDREAU 2019-11-13

AUTHOR PAUL BOUDREAU SHARES THE KEYS TO PROJECT MANAGEMENT SUCCESS USING A MODERN APPROACH: ARTIFICIAL INTELLIGENCE. WITHIN THE PAGES OF APPLYING ARTIFICIAL INTELLIGENCE TO PROJECT MANAGEMENT, BOUDREAU DESCRIBES FIVE AI TOOLS IN CONCEPT AND HOW THEY APPLY DIRECTLY TO PROJECT SUCCESS, AS WELL AS THE STRATEGY AND METHOD TO USE TO PURCHASE AND IMPLEMENT AI TOOLS FOR PROJECT MANAGEMENT. UNDERSTAND THE DIFFERENCE BETWEEN AUTOMATING A TASK AND CHANGING IT BY USING AI. DISCOVER HOW AI USES DATA AND THE IMPORTANCE OF DATA MAINTENANCE. LEARN WHY PROJECTS FAIL AND HOW USING ARTIFICIAL INTELLIGENCE FOR PROJECT MANAGEMENT IMPROVES PROJECT SUCCESS RATES. READ PROJECT MANAGEMENT SUCCESS STORIES IN ONE OF THE BEST BUSINESS BOOKS ON MACHINE LEARNING, AND PREPARE TO LEAVE BEHIND THAT 50 PERCENT PROJECT SUCCESS RATE FOR ONE THAT'S 95 PERCENT OR HIGHER.

APPLIED ARTIFICIAL INTELLIGENCE - DA RUAN 2006
FLINS, ORIGINALLY AN ACRONYM FOR FUZZY LOGIC AND INTELLIGENT TECHNOLOGIES IN NUCLEAR SCIENCE, IS NOW EXTENDED TO APPLIED ARTIFICIAL INTELLIGENCE FOR APPLIED RESEARCH. THE CONTRIBUTIONS TO THE SEVENTH IN THE SERIES OF FLINS CONFERENCES CONTAINED IN THIS VOLUME COVER STATE-OF-THE-ART RESEARCH AND DEVELOPMENT IN APPLIED ARTIFICIAL INTELLIGENCE FOR APPLIED RESEARCH IN GENERAL AND FOR POWER/NUCLEAR ENGINEERING IN PARTICULAR. CONTENTS: LEARNING TECHNIQUES IN SERVICE ROBOTIC ENVIRONMENT (Z Z BIEN ET AL.); THE ROLE OF SOFT COMPUTING IN APPLIED SCIENCES (P P WANG); NEW OPERATORS FOR CONTEXT ADAPTATION OF MAMDANI FUZZY

SYSTEMS (A BOTTA ET AL.); LUKASIEWICZ ALGEBRA MODEL OF LINGUISTIC VALUES OF TRUTH AND THEIR REASONING (L YI ET AL.); ANNIHILATOR AND ALPHA-SUBSET (X Q LONG ET AL.); ON PCA ERROR OF SUBJECT CLASSIFICATION (L H FENG ET AL.); KNOWLEDGE DISCOVERY FOR CUSTOMER CLASSIFICATION ON THE PRINCIPLE OF MAXIMUM PROFIT (C ZENG ET AL.); FUZZY MULTI-OBJECTIVE INTERACTIVE GOAL PROGRAMMING APPROACH TO AGGREGATE PRODUCTION PLANNING (T ERTAY); ANALYSING SUCCESS CRITERIA FOR ICT PROJECTS (K MILIS ET K VANHOOF); PRIORITIZATION OF RELATIONAL CAPITAL MEASUREMENT INDICATORS USING FUZZY AHP (A BESKESE ET F T BOZBURA); RISK ANALYSIS AND MANAGEMENT OF URBAN RAINSTORM WATER LOGGING IN TIANJIN (S HAN ET AL.); OBSTACLE AVOIDANCE LEARNING FOR BIOMIMETIC ROBOT FISH (Z SHEN ET AL.); URBAN SIGNAL CONTROL USING INTELLIGENT AGENTS (M A ALIPOUR ET S JALILI); PARALLEL EVOLUTIONARY METHODS APPLIED TO A PWR CORE RELOAD PATTERN OPTIMIZATION (R SCHIRRU ET AL.); AND OTHER PAPERS. READERSHIP: GRADUATE STUDENTS, RESEARCHERS AND INDUSTRIALISTS IN AI, APPLIED MATHEMATICS, COMPUTER SCIENCE AND ENGINEERING, ELECTRICAL ET ELECTRONIC ENGINEERING, AND NUCLEAR/POWER ENGINEERING.

APPLIED ARTIFICIAL INTELLIGENCE IN BUSINESS - LEONG CHAN
2022-07-19

THIS BOOK OFFERS STUDENTS AN INTRODUCTION TO THE CONCEPTS OF BIG DATA AND ARTIFICIAL INTELLIGENCE (AI) AND THEIR APPLICATIONS IN THE BUSINESS WORLD. IT ANSWERS QUESTIONS SUCH AS WHAT ARE THE MAIN CONCEPTS OF ARTIFICIAL INTELLIGENCE AND BIG DATA? WHAT APPLICATIONS FOR ARTIFICIAL INTELLIGENCE AND BIG DATA ANALYTICS ARE USED IN THE BUSINESS FIELD? IT OFFERS APPLICATION-ORIENTED OVERVIEWS AND CASES FROM DIFFERENT SECTORS AND FIELDS TO HELP READERS DISCOVER AND GAIN USEFUL INSIGHTS. EACH CHAPTER FEATURES DISCUSSION QUESTIONS AND SUMMARIES. TO ASSIST PROFESSORS IN TEACHING, THE BOOK SUPPLEMENTARY MATERIALS WILL INCLUDE ANSWERS TO QUESTIONS, AND PRESENTATION SLIDES.

CURRENT APPROACHES IN APPLIED ARTIFICIAL INTELLIGENCE - MOONIS ALI 2015-04-30

THIS BOOK CONSTITUTES THE REFEREED CONFERENCE PROCEEDINGS OF THE 28TH INTERNATIONAL CONFERENCE ON INDUSTRIAL, ENGINEERING AND OTHER APPLICATIONS OF APPLIED INTELLIGENT SYSTEMS, IEA/AIE 2015, HELD IN SEOUL, SOUTH KOREA, IN JUNE 2015. THE 73 REVISED FULL PAPERS PRESENTED WERE CAREFULLY REVIEWED AND SELECTED FROM 105 SUBMISSIONS. THE PAPERS COVER A WIDE RANGE OF TOPICS IN APPLIED ARTIFICIAL INTELLIGENCE INCLUDING REASONING, ROBOTICS, COGNITIVE MODELING, MACHINE LEARNING, PATTERN RECOGNITION, OPTIMIZATION, TEXT MINING, SOCIAL NETWORK ANALYSIS, AND EVOLUTIONARY ALGORITHMS. THEY ARE ORGANIZED IN THE FOLLOWING TOPICAL SECTIONS: THEORETICAL AI, KNOWLEDGE-BASED SYSTEMS, OPTIMIZATION, WEB AND SOCIAL NETWORKS, MACHINE LEARNING, CLASSIFICATION, UNSUPERVISED LEARNING, VISION, IMAGE AND TEXT PROCESSING, AND INTELLIGENT SYSTEMS APPLICATIONS.

DEVELOPMENTS IN APPLIED ARTIFICIAL INTELLIGENCE - TIM

HENDTLASS 2003-08-02

ARTIFICIAL INTELLIGENCE IS A FIELD WITH A LONG HISTORY, WHICH IS STILL VERY MUCH ACTIVE AND DEVELOPING TODAY. DEVELOPMENTS OF NEW AND IMPROVED TECHNIQUES, TOGETHER WITH THE EVER-INCREASING LEVELS OF AVAILABLE COMPUTING RESOURCES, ARE FUELING AN INCREASING SPREAD OF AI APPLICATIONS. THESE APPLICATIONS, AS WELL AS PROVIDING THE ECONOMIC RATIONALE FOR THE RESEARCH, ALSO PROVIDE THE IMPETUS TO FURTHER IMPROVE THE PERFORMANCE OF OUR TECHNIQUES. THIS FURTHER IMPROVEMENT TODAY IS MOST LIKELY TO COME FROM AN UNDERSTANDING OF THE WAYS OUR SYSTEMS WORK, AND THEREFORE OF THEIR LIMITATIONS, RATHER THAN FROM IDEAS 'BORROWED' FROM BIOLOGY. FROM THIS UNDERSTANDING COMES IMPROVEMENT; FROM IMPROVEMENT COMES FURTHER APPLICATION; FROM FURTHER APPLICATION COMES THE OPPORTUNITY TO FURTHER UNDERSTAND THE LIMITATIONS, AND SO THE CYCLE REPEATS ITSELF INDEFINITELY. IN THIS VOLUME ARE PAPERS ON A WIDE RANGE OF TOPICS; SOME DESCRIBE APPLICATIONS THAT ARE ONLY POSSIBLE AS A RESULT OF RECENT DEVELOPMENTS, OTHERS DESCRIBE NEW DEVELOPMENTS ONLY JUST BEING MOVED INTO PRACTICAL APPLICATION. ALL THE PAPERS REFLECT THE WAY THIS FIELD CONTINUES TO DRIVE FORWARD. THIS CONFERENCE IS THE 15TH IN AN UNBROKEN SERIES OF ANNUAL CONFERENCES ON INDUSTRIAL AND ENGINEERING APPLICATION OF ARTIFICIAL INTELLIGENCE AND EXPERT SYSTEMS ORGANIZED UNDER THE AUSPICES OF THE INTERNATIONAL SOCIETY OF APPLIED INTELLIGENCE.

ARTIFICIAL INTELLIGENCE IN BUSINESS MANAGEMENT - TEIK TOE TEOH 2023-10-25

ARTIFICIAL INTELLIGENCE (AI) IS RAPIDLY GAINING SIGNIFICANCE IN THE BUSINESS WORLD. WITH MORE AND MORE ORGANIZATIONS ADOPT AI TECHNOLOGIES, THERE IS A GROWING DEMAND FOR BUSINESS LEADERS, MANAGERS, AND PRACTITIONERS WHO CAN HARNESS AI'S POTENTIAL TO IMPROVE OPERATIONS, INCREASE EFFICIENCY, AND DRIVE INNOVATION. THIS BOOK AIMS TO HELP MANAGEMENT PROFESSIONALS EXPLOIT THE PREDICTIVE POWERS OF AI AND DEMONSTRATE TO AI PRACTITIONERS HOW TO APPLY THEIR EXPERTISE IN FUNDAMENTAL BUSINESS OPERATIONS. IT SHOWCASES HOW AI TECHNOLOGY INNOVATIONS CAN ENHANCE VARIOUS ASPECTS OF BUSINESS MANAGEMENT, SUCH AS BUSINESS STRATEGY, FINANCE, AND MARKETING. READERS INTERESTED IN AI FOR BUSINESS MANAGEMENT WILL FIND SEVERAL TOPICS OF PARTICULAR INTEREST, INCLUDING HOW AI CAN IMPROVE DECISION-MAKING IN BUSINESS STRATEGY, STREAMLINE OPERATIONAL PROCESSES, AND ENHANCE CUSTOMER SATISFACTION. AS AI BECOMES AN INCREASINGLY IMPORTANT TOOL IN THE BUSINESS WORLD, THIS BOOK OFFERS VALUABLE INSIGHTS INTO HOW IT CAN BE APPLIED TO VARIOUS INDUSTRIES AND BUSINESS SETTINGS. THROUGH THIS BOOK, READERS WILL GAIN A BETTER UNDERSTANDING OF HOW AI CAN BE APPLIED TO IMPROVE BUSINESS MANAGEMENT PRACTICES AND PRACTICAL GUIDANCE ON HOW TO IMPLEMENT AI PROJECTS IN A BUSINESS CONTEXT. THIS BOOK ALSO PROVIDES PRACTICAL GUIDES ON HOW TO IMPLEMENT AI PROJECTS IN A BUSINESS CONTEXT USING PYTHON PROGRAMMING. BY READING THIS BOOK, READERS WILL BE

BETTER EQUIPPED TO MAKE INFORMED DECISIONS ABOUT HOW TO LEVERAGE AI FOR BUSINESS SUCCESS.

BLOCKCHAIN, ARTIFICIAL INTELLIGENCE, AND THE INTERNET OF THINGS - PETHURU RAJ 2021-11-22

THIS BOOK PROVIDES BASIC CONCEPTS AND DEEP KNOWLEDGE ABOUT VARIOUS SECURITY MECHANISMS THAT CAN BE IMPLEMENTED IN IoT THROUGH BLOCKCHAIN TECHNOLOGY. THIS BOOK AIDS READERS IN GAINING INSIGHT AND KNOWLEDGE ABOUT PROVIDING SECURITY AND SOLUTIONS TO DIFFERENT CHALLENGES IN IoT USING BLOCKCHAIN TECHNOLOGY. THIS BOOK PRIMARILY FOCUSES ON CHALLENGES TO ADDRESSING THE INTEGRATION OF THE IoT WITH BLOCKCHAIN WITH RESPECT TO POTENTIAL BENEFITS FOR IoT. THIS BOOK GIVES DESCRIPTIVE ANALYSIS OF BLOCKCHAIN INTEGRATED WITH IoT APPLICATIONS AND PLATFORMS FOR THE DEVELOPMENT OF IoT SOLUTIONS ALONG WITH POSSIBLE TOPOLOGIES TO THAT INTEGRATION. SEVERAL APPLICATION EXAMPLES ARE INCLUDED IN A VARIETY OF INDUSTRIES.

ADVANCES IN APPLIED ARTIFICIAL INTELLIGENCE - MOONIS ALI 2006-06-27

THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE 19TH INTERNATIONAL CONFERENCE ON INDUSTRIAL AND ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE AND EXPERT SYSTEMS, IEA/AIE 2006, HELD IN ANNECY, FRANCE, JUNE 2006. THE BOOK PRESENTS 134 REVISED FULL PAPERS TOGETHER WITH 3 INVITED CONTRIBUTIONS, ORGANIZED IN TOPICAL SECTIONS ON MULTI-AGENT SYSTEMS, DECISION-SUPPORT, GENETIC ALGORITHMS, DATA-MINING AND KNOWLEDGE DISCOVERY, FUZZY LOGIC, KNOWLEDGE ENGINEERING, MACHINE LEARNING, SPEECH RECOGNITION, SYSTEMS FOR REAL LIFE APPLICATIONS, AND MORE.

ARTIFICIAL INTELLIGENCE FOR PROJECT MANAGERS - PHILL AKINWALE 2023-07-15

WITH THE RAPID PACE OF TECHNOLOGICAL ADVANCEMENT, AI IS NOT JUST AN ABSTRACT CONCEPT OF THE FUTURE-IT'S A PRESENT REALITY TRANSFORMING THE FIELD OF PROJECT MANAGEMENT. 'ARTIFICIAL INTELLIGENCE FOR PROJECT MANAGERS' UNVEILS THIS POTENT TOOL, DEMONSTRATING HOW AI CAN FOSTER INNOVATION, AUGMENT EFFICIENCY, AND PAVE THE WAY FOR SUCCESS IN PROJECT MANAGEMENT. PENNED BY PHILL AKINWALE, OPM3, PMP, A SEASONED PROJECT MANAGEMENT PROFESSIONAL AND TRAINER TO DISTINGUISHED ENTITIES INCLUDING NASA, FBI, USAF, USACE, AND THE US ARMY, THIS BOOK IS A PRACTICAL AND COMPREHENSIVE GUIDE. IT NAVIGATES THE REAL-WORLD APPLICATIONS OF AI, FROM OPTIMIZING KANBAN BOARDS TO PROVIDING REAL-TIME PROJECT INSIGHTS. BUT IT GOES BEYOND LOOKING INTO THE ETHICAL TERRAIN TO DISCUSS THE SOCIAL AND MORAL IMPLICATIONS OF AI INTEGRATION IN PROJECT MANAGEMENT PRACTICES. DRAWING FROM A WEALTH OF EXPERIENCE, PHILL ENRICHES THE BOOK WITH A FUN-FILLED STORY MODELED AFTER HIS CLASSES, CASE STUDIES, EXERCISES, AND REAL-LIFE EXAMPLES. HE CHALLENGES PROJECT MANAGERS TO NOT ONLY STAY AHEAD OF AI'S POTENTIAL IMPACT BUT ALSO TO CONSIDER THE ETHICAL DIMENSIONS OF ITS APPLICATION. WHETHER YOU'RE A VETERAN PROJECT MANAGER SEEKING TO STAY AHEAD OF THE TECHNOLOGICAL CURVE, OR A NOVICE LOOKING TO NAVIGATE THIS EVOLVING LANDSCAPE, 'AI FOR PROJECT MANAGERS' IS YOUR ESSENTIAL

GUIDE. EMBRACE THE FUTURE, ARM YOURSELF WITH KNOWLEDGE, AND RIDE THE CREST OF THE AI WAVE UNDER THE EXPERT GUIDANCE OF YOUR FRIEND PHILL.

AI-DRIVEN PROJECT MANAGEMENT - KRISTIAN BAINEY
2024-04-23

AI-DRIVEN PROJECT MANAGEMENT: HARNESSING THE POWER OF ARTIFICIAL INTELLIGENCE AND CHATGPT TO ACHIEVE PEAK PRODUCTIVITY AND SUCCESS REVEALS NEW OPPORTUNITIES FOR PROJECT LEADERS TO EMBRACE THE POWER OF AI IN PROJECT MANAGEMENT (PM-AI). PM-AI IS A SYSTEM THAT CAN PERFORM THE DAY-TO-DAY MANAGEMENT AND ADMINISTRATION OF PROJECTS WITHOUT REQUIRING HUMAN INPUT. IT WILL NOT ONLY AUTOMATE SIMPLE TASKS BUT WILL ALSO DEVELOP AN UNDERSTANDING OF KEY PROJECT PERFORMANCE. AUTHOR AND LEADING PROJECT MANAGEMENT EXPERT KRISTIAN BAINEY FOCUSES ON FOUR AREAS WHERE PROJECT LEADERS CAN ACHIEVE IMPROVED RESULTS WITH AI'S DATA-CENTRIC CAPABILITIES: REDUCE THE ELEMENT OF SURPRISE--THE CORRELATION CAPABILITIES OF AI AND MACHINE LEARNING HELP MITIGATE TIME AND BUDGET RISKS. BECOME A "BIAS BUSTER"--PROJECTS ARE PRONE TO COGNITIVE BIASES, ESPECIALLY AT THE PLANNING STAGE. BY USING HISTORICAL DATA AND PROCESSES LIKE REFERENCE CLASS FORECASTING, PROJECT LEADERS CAN ESTIMATE REALISTIC PROJECT VALUES. CREATE MORE TIME TO DEVELOP HIGHER STANDARDS--GENERATING REPORTS TAKES UP A LOT OF TIME FOR PROJECT LEADERS. YET SEVERAL AI-BASED TOOLS CAN PROVIDE INSTANT, ON-DEMAND REPORTING IN JUST A MATTER OF MINUTES--AND THAT FREES UP MORE TIME FOR PROJECT MANAGERS TO STRATEGIZE AND LEAD. ACCELERATE DECISION MAKING--PROJECT LEADERS WILL FIND IT EASIER TO HANDLE DIFFICULT PROBLEMS WITH SUPPORTING DATA. AI ACCELERATES DECISION MAKING BY COMPLEMENTING PROJECT OBJECTIVES WITH DATA-DRIVEN RECOMMENDATIONS. GARTNER PREDICTS BY 2030, 80% OF PROJECT MANAGEMENT TASKS WILL BE RUN BY AI, POWERED BY BIG DATA, MACHINE LEARNING (ML), AND NATURAL LANGUAGE PROCESSING. MICROSOFT, AWS, AND GOOGLE AND OTHER IT COMPANIES HAVE ALREADY DEVELOPED ALGORITHMS TO APPLY GENERATIVE AI AND ML TO PROJECT MANAGEMENT. WHILE MANY VARIABLES DRIVE PROJECT SUCCESS, STUDIES HAVE SHOWN THAT PROJECT MANAGEMENT AI (PM-AI) CAN BOOST PROJECT SUCCESS RATES BY 15-25%. AT THE SAME TIME, CAUTION IS NECESSARY WHEN USING PM-AI. PMS STILL NEED TO CURATE PM-AI RESULTS FOR BIAS, CONSISTENCY, AND ACCURACY. THIS IS THE BOOK FOR HELPING YOU GAIN INSIGHTS AND LEARN BEST PRACTICES FOR PUTTING PM-AI TO WORK FOR YOU AND YOUR TEAM TO ACHIEVE THE RESULTS YOU WANT!

RECENT TRENDS IN APPLIED ARTIFICIAL INTELLIGENCE -
MOONIS ALI 2013-05-20

THIS VOLUME CONSTITUTES THE THOROUGHLY REFEREED CONFERENCE PROCEEDINGS OF THE 26TH INTERNATIONAL CONFERENCE ON INDUSTRIAL ENGINEERING AND OTHER APPLICATIONS OF APPLIED INTELLIGENCE SYSTEMS, IEA/AIE 2013, HELD IN AMSTERDAM, THE NETHERLANDS, IN JUNE 2013. THE TOTAL OF 71 PAPERS SELECTED FOR THE PROCEEDINGS WERE CAREFULLY REVIEWED AND SELECTED FROM 185 SUBMISSIONS. THE PAPERS FOCUS ON THE FOLLOWING

TOPICS: AUCTIONS AND NEGOTIATION, COGNITIVE MODELING, CROWD BEHAVIOR MODELING, DISTRIBUTED SYSTEMS AND NETWORKS, EVOLUTIONARY ALGORITHMS, KNOWLEDGE REPRESENTATION AND REASONING, PATTERN RECOGNITION, PLANNING, PROBLEM SOLVING, ROBOTICS, TEXT MINING, ADVANCES IN RECOMMENDER SYSTEMS, BUSINESS PROCESS INTELLIGENCE, DECISION SUPPORT FOR SAFETY-RELATED SYSTEMS, INNOVATIONS IN INTELLIGENT COMPUTATION AND APPLICATIONS, INTELLIGENT IMAGE AND SIGNAL PROCESSING, AND MACHINE LEARNING METHODS APPLIED TO MANUFACTURING PROCESSES AND PRODUCTION SYSTEMS.

ARTIFICIAL INTELLIGENCE IN CONSTRUCTION ENGINEERING AND MANAGEMENT - LIMAO ZHANG 2021-06-18

THIS BOOK HIGHLIGHTS THE LATEST TECHNOLOGIES AND APPLICATIONS OF ARTIFICIAL INTELLIGENCE (AI) IN THE DOMAIN OF CONSTRUCTION ENGINEERING AND MANAGEMENT. THE CONSTRUCTION INDUSTRY WORLDWIDE HAS BEEN A LATE BLOOMER TO ADOPTING DIGITAL TECHNOLOGY, WHERE CONSTRUCTION PROJECTS ARE PREDOMINANTLY MANAGED WITH A HEAVY RELIANCE ON THE KNOWLEDGE AND EXPERIENCE OF CONSTRUCTION PROFESSIONALS. AI WORKS BY COMBINING LARGE AMOUNTS OF DATA WITH FAST, ITERATIVE PROCESSING, AND INTELLIGENT ALGORITHMS (E.G., NEURAL NETWORKS, PROCESS MINING, AND DEEP LEARNING), ALLOWING THE COMPUTER TO LEARN AUTOMATICALLY FROM PATTERNS OR FEATURES IN THE DATA. IT PROVIDES A WIDE RANGE OF SOLUTIONS TO ADDRESS MANY CHALLENGING CONSTRUCTION PROBLEMS, SUCH AS KNOWLEDGE DISCOVERY, RISK ESTIMATES, ROOT CAUSE ANALYSIS, DAMAGE ASSESSMENT AND PREDICTION, AND DEFECT DETECTION. A TREMENDOUS TRANSFORMATION HAS TAKEN PLACE IN THE PAST YEARS WITH THE EMERGING APPLICATIONS OF AI. THIS ENABLES INDUSTRIAL PARTICIPANTS TO OPERATE PROJECTS MORE EFFICIENTLY AND SAFELY, NOT ONLY INCREASING THE AUTOMATION AND PRODUCTIVITY IN CONSTRUCTION BUT ALSO ENHANCING THE COMPETITIVENESS GLOBALLY.

COMPUTATIONAL INTELLIGENCE IN SOFTWARE MODELING -
VISHAL JAIN 2022-02-21

RESEARCHERS, ACADEMICIANS AND PROFESSIONALS EXPONE IN THIS BOOK THEIR RESEARCH IN THE APPLICATION OF INTELLIGENT COMPUTING TECHNIQUES TO SOFTWARE ENGINEERING. AS SOFTWARE SYSTEMS ARE BECOMING LARGER AND COMPLEX, SOFTWARE ENGINEERING TASKS BECOME INCREASINGLY COSTLY AND PRONE TO ERRORS. EVOLUTIONARY ALGORITHMS, MACHINE LEARNING APPROACHES, META-HEURISTIC ALGORITHMS, AND OTHERS TECHNIQUES CAN HELP THE EFFICIENCY OF SOFTWARE ENGINEERING.

MIND MAPPING AND ARTIFICIAL INTELLIGENCE - JOSE MARIA GUERRERO 2022-10-22

IN THE NEAR FUTURE, WE WILL SEE AN INCREASE IN THE DEVELOPMENT AND USE OF ALL SORTS OF AI APPLICATIONS. SOME OF THE MORE PROMISING AREAS WILL BE FINANCE, HEALTHCARE, IoT, MANUFACTURING, JOURNALISM, AND CYBERSECURITY. MANY OF THESE APPLICATIONS GENERATE A GREAT AMOUNT OF COMPLEX INFORMATION. NATURAL LANGUAGE UNDERSTANDING IS ONE OF THE MOST CLEAR EXAMPLES. TRADITIONAL WAYS OF VISUALIZING COMPLEX INFORMATION, NAMELY LINEAR TEXT, WEB PAGES AND

HYPERLINK-BASED APPLICATIONS, HAVE SERIOUS PRODUCTIVITY PROBLEMS. USERS NEED A LOT OF TIME TO VISUALIZE THE INFORMATION AND HAVE PROBLEMS SEEING THE WHOLE PICTURE OF THE RESULTS. MIND MAPPING IS PROBABLY THE ONLY WAY OF REDUCING THE PROBLEMS INHERENT IN THESE TRADITIONAL WAYS OF VISUALIZING COMPLEX INFORMATION. MOST PEOPLE HAVE NO CLEAR IDEA ABOUT THE ADVANTAGES OF MIND MAPPING OR THE PROBLEMS CREATED BY THE TRADITIONAL WAYS OF VISUALIZING COMPLEX INFORMATION. THE GOAL OF MIND MAPPING AND ARTIFICIAL INTELLIGENCE IS TO PROVIDE READERS WITH AN INTRODUCTION TO MIND MAPPING AND ARTIFICIAL INTELLIGENCE, TO THE PROBLEMS OF USING TRADITIONAL WAYS OF VISUALIZING COMPLEX INFORMATION AND AS AN INTRODUCTION TO MIND MAPPING AUTOMATION AND ITS INTEGRATION INTO ARTIFICIAL INTELLIGENCE APPLICATIONS SUCH AS NLU AND OTHERS. AS MORE APPLICATIONS OF ARTIFICIAL INTELLIGENCE ARE DEVELOPED IN THE NEAR FUTURE, THE NEED FOR THE IMPROVEMENT OF THE VISUALIZATION OF THE INFORMATION GENERATED WILL INCREASE EXPONENTIALLY. INFORMATION OVERLOAD WILL SOON ALSO HAPPEN IN AI APPLICATIONS. THIS WILL DIMINISH THE ADVANTAGES OF USING AI. AUTHOR JOSÉ MARIA GUERRERO IS A LONG-TIME EXPERT IN MIND MAPPING AND VISUALIZATION TECHNIQUES. IN THIS BOOK HE ALSO INTRODUCES READERS TO MINDMANAGER MIND MAPPING SOFTWARE, WHICH CAN CONSIDERABLY REDUCE THE PROBLEMS ASSOCIATED WITH THE INTERPRETATION OF COMPLEX INFORMATION GENERATED BY ARTIFICIAL INTELLIGENCE SOFTWARE. PROVIDES COVERAGE OF THE FUNDAMENTALS OF MIND MAPPING AND VISUALIZATION APPLIED TO ARTIFICIAL INTELLIGENCE APPLICATIONS INCLUDES COVERAGE OF THE SCIENTIFIC BASES FOR MIND MAPPING FOR THE VISUALIZATION OF COMPLEX INFORMATION INTRODUCES MINDMANAGER SOFTWARE FOR MIND MAPPING INTRODUCES THE AUTHOR'S MINDMANAGER TOOLKIT FOR THE READERS TO USE IN DEVELOPMENT OF NEW MIND MAPPING APPLICATIONS INCLUDES CASE STUDIES AND REAL-WORLD APPLICATIONS OF MINDMANAGER FOR AI APPLICATIONS, INCLUDING EXAMPLES USING IBM WATSON NLU

How AI Is Transforming the Organization - MIT SLOAN

MANAGEMENT REVIEW 2020-02-18

A CLEAR-EYED LOOK AT HOW AI CAN COMPLEMENT (RATHER THAN ELIMINATE) HUMAN JOBS, WITH REAL-WORLD EXAMPLES FROM COMPANIES THAT RANGE FROM NETFLIX TO WALMART. DESCRIPTIONS OF AI'S POSSIBLE EFFECTS ON BUSINESSES AND THEIR EMPLOYEES CYCLE BETWEEN UTOPIAN HYPE AND ALARMIST DOOMSAYING. THIS BOOK FROM MIT SLOAN MANAGEMENT REVIEW AVOIDS BOTH THESE EXTREMES, PROVIDING INSTEAD A CLEAR-EYED LOOK AT HOW AI CAN COMPLEMENT (RATHER THAN ELIMINATE) HUMAN JOBS, WITH REAL-WORLD EXAMPLES FROM COMPANIES THAT RANGE FROM NETFLIX TO WALMART. THE CONTRIBUTORS SHOW THAT ORGANIZATIONS CAN CREATE BUSINESS VALUE WITH AI BY COOPERATING WITH IT RATHER THAN RELINQUISHING CONTROL TO IT. THE SMARTEST COMPANIES KNOW THAT THEY DON'T NEED AI THAT MIMICS HUMANS BECAUSE THEY ALREADY HAVE ACCESS TO RESOURCES WITH HUMAN CAPABILITY—ACTUAL HUMANS. THE BOOK ACKNOWLEDGES THE PROMINENT ROLE OF SUCH LEADING TECHNOLOGY COMPANIES AS FACEBOOK, APPLE, AMAZON, NETFLIX, AND GOOGLE IN APPLYING AI TO THEIR BUSINESSES, BUT IT GOES BEYOND THE FAANG COHORT TO LOOK AT AI APPLICATIONS IN MANY Nontechnology COMPANIES, INCLUDING DHL AND FIDELITY. THE CHAPTERS ADDRESS SUCH TOPICS AS RETRAINING WORKERS (WHO MAY BE MORE READY FOR CHANGE THAN THEIR COMPANIES ARE); THE IMPORTANCE OF MOTIVATED AND KNOWLEDGEABLE LEADERS; THE DANGER THAT AI WILL ENTRENCH LESS-THAN-IDEAL LEGACY PROCESSES; WAYS THAT AI COULD PROMOTE GENDER EQUALITY AND DIVERSITY; AI AND THE GLOBAL LONELINESS EPIDEMIC; AND THE BENEFITS OF ROBOT-HUMAN COLLABORATION. CONTRIBUTORS CYNTHIA M. BEATH, MEGAN BECK, JOE BIRON, ERIK BRYNJOLFSSON, JACQUES BUGHIN, RUMMAN CHOWDHURY, PAUL R. DAUGHERTY, THOMAS H. DAVENPORT, CHRIS DEBRUSK, BERKELEY J. DIETVORST, JANET FOUTTY, JAMES R. FREELAND, R. EDWARD FREEMAN, JULIAN FRIEDLAND, LYNDA GRATTON, FRANCIS HINTERMANN, VIVEK KATYAL, DAVID KIRON, FRIEDA KLOTZ, JONATHAN LANG, BARRY LIBERT, PAUL MICHELMAN, DANIEL ROCK, SAM RANSBOTHAM, JEANNE W. ROSS, EVA SAGE-GAVIN, CHAD SYVERSON, MONIDEEPA TARAFDAR, GREGORY UNRUH, MADHU VAZIRANI, H. JAMES WILSON