

EBOOK FREE SOLUTIONS OF ELECTRIC MACHINES BY ASHFAQ HUSSAIN (2023)

FUNDAMENTALS OF ELECTRICAL ENGINEERING MACHINE LEARNING, OPTIMIZATION, AND DATA SCIENCE PROCEEDINGS OF THE 1996 INTERNATIONAL CONFERENCE ON PARALLEL PROCESSING, AUGUST 12-16, 1996: ALGORITHMS & APPLICATIONS HANDBOOK OF RESEARCH ON AI AND ML FOR INTELLIGENT MACHINES AND SYSTEMS MACHINE LEARNING AND DEEP LEARNING IN REAL-TIME APPLICATIONS DEALING WITH IMBALANCED AND WEAKLY LABELLED DATA IN MACHINE LEARNING USING FUZZY AND ROUGH SET METHODS EMPOWERING SUSTAINABLE INDUSTRIAL 4.0 SYSTEMS WITH MACHINE INTELLIGENCE PROCEEDINGS BASIC ELECTRICAL ENGINEERING SYMMETRY-ADAPTED MACHINE LEARNING FOR INFORMATION SECURITY IV. ASC-2022/FALL CONGRESS HOSTED BY - CHANGE & SHAPING THE FUTURE BARQUE'S PAKISTAN TRADE DIRECTORY AND WHO'S WHO PREDICTING PREGNANCY COMPLICATIONS THROUGH ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING-POWERED SMART FINANCE PATTERN RECOGNITION AND MACHINE INTELLIGENCE MACHINERY LLOYD INFORMATION MANAGEMENT AND MACHINE INTELLIGENCE SIGNAL PROCESSING DRIVEN MACHINE LEARNING TECHNIQUES FOR CARDIOVASCULAR DATA PROCESSING MACHINE INTELLIGENCE FOR RESEARCH AND INNOVATIONS APPLICATIONS OF OPTIMIZATION AND MACHINE LEARNING IN IMAGE PROCESSING AND IoT FINTECH APPLICATIONS IN ISLAMIC FINANCE: AI, MACHINE LEARNING, AND BLOCKCHAIN TECHNIQUES MACHINE LEARNING, IMAGE PROCESSING, NETWORK SECURITY AND DATA SCIENCES MACHINE LEARNING AND DATA MINING APPROACHES TO CLIMATE SCIENCE CONTEMPORARY APPROACHES OF DIGITAL MARKETING AND THE ROLE OF MACHINE INTELLIGENCE VISUALIZATION TECHNIQUES FOR CLIMATE CHANGE WITH MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE PHYTOREMEDIATION OF DOMESTIC WASTEWATER WITH THE INTERNET OF THINGS AND MACHINE LEARNING TECHNIQUES PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MACHINE LEARNING, IoT, SMART CITIES AND APPLICATIONS ROLE OF MICROBES IN SUSTAINABLE DEVELOPMENT 1993 COMPUTER ARCHITECTURES FOR MACHINE PERCEPTION RECONFIGURATION OF BUSINESS MODELS AND ECOSYSTEMS COMPUTING, COMMUNICATION AND LEARNING THE COUNTERFEITER AI AND ITS CONVERGENCE WITH COMMUNICATION TECHNOLOGIES THEORY AND NEW APPLICATIONS OF SWARM INTELLIGENCE ARTIFICIAL INTELLIGENCE IN THE GULF BROADENING THE USE OF MACHINE LEARNING IN HYDROLOGY LAHORE DIRECTORY OF INCOME TAX PAYERS INNOVATIONS, ALGORITHMS, AND APPLICATIONS IN COGNITIVE INFORMATICS AND NATURAL INTELLIGENCE ARTIFICIAL INTELLIGENCE FOR INFORMATION MANAGEMENT: A HEALTHCARE PERSPECTIVE COMPUTATIONAL METHODS AND DATA ENGINEERING

FUNDAMENTALS OF ELECTRICAL ENGINEERING

2010-02

THIS TWO VOLUME SET LNCS 13163 13164 CONSTITUTES THE REFEREED PROCEEDINGS OF THE 7TH INTERNATIONAL CONFERENCE ON MACHINE LEARNING OPTIMIZATION AND DATA SCIENCE LOD 2021 TOGETHER WITH THE FIRST EDITION OF THE SYMPOSIUM ON ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE ACAIN 2021 THE TOTAL OF 86 FULL PAPERS PRESENTED IN THIS TWO VOLUME POST CONFERENCE PROCEEDINGS SET WAS CAREFULLY REVIEWED AND SELECTED FROM 215 SUBMISSIONS THESE RESEARCH ARTICLES WERE WRITTEN BY LEADING SCIENTISTS IN THE FIELDS OF MACHINE LEARNING ARTIFICIAL INTELLIGENCE REINFORCEMENT LEARNING COMPUTATIONAL OPTIMIZATION NEUROSCIENCE AND DATA SCIENCE PRESENTING A SUBSTANTIAL ARRAY OF IDEAS TECHNOLOGIES ALGORITHMS METHODS AND APPLICATIONS

MACHINE LEARNING, OPTIMIZATION, AND DATA SCIENCE

2022-02-01

THE HANDBOOK OF RESEARCH ON AI AND ML FOR INTELLIGENT MACHINES AND SYSTEMS OFFERS A COMPREHENSIVE EXPLORATION OF THE PIVOTAL ROLE PLAYED BY ARTIFICIAL INTELLIGENCE AI AND MACHINE LEARNING ML TECHNOLOGIES IN THE DEVELOPMENT OF INTELLIGENT MACHINES AS THE DEMAND FOR INTELLIGENT MACHINES CONTINUES TO RISE ACROSS VARIOUS SECTORS UNDERSTANDING THE INTEGRATION OF THESE ADVANCED TECHNOLOGIES BECOMES PARAMOUNT WHILE AI AND ML HAVE INDIVIDUALLY SHOWCASED THEIR CAPABILITIES IN DEVELOPING ROBUST INTELLIGENT MACHINE SYSTEMS AND SERVICES THEIR FUSION HOLDS THE KEY TO PROPELLING INTELLIGENT MACHINES TO A NEW REALM OF TRANSFORMATION BY COMPILING RECENT ADVANCEMENTS IN INTELLIGENT MACHINES THAT RELY ON MACHINE LEARNING AND DEEP LEARNING TECHNOLOGIES THIS BOOK SERVES AS A VITAL RESOURCE FOR RESEARCHERS GRADUATE STUDENTS PHD SCHOLARS FACULTY MEMBERS SCIENTISTS AND SOFTWARE DEVELOPERS IT OFFERS VALUABLE INSIGHTS INTO THE KEY CONCEPTS OF AI AND ML COVERING ESSENTIAL SECURITY ASPECTS CURRENT TRENDS AND OFTEN OVERLOOKED PERSPECTIVES THAT ARE CRUCIAL FOR ACHIEVING COMPREHENSIVE UNDERSTANDING IT NOT ONLY EXPLORES THE THEORETICAL FOUNDATIONS OF AI AND ML BUT ALSO PROVIDES GUIDANCE ON APPLYING THESE TECHNIQUES TO SOLVE REAL WORLD PROBLEMS UNLIKE TRADITIONAL TEXTS IT OFFERS FLEXIBILITY THROUGH ITS DISTINCTIVE MODULE BASED STRUCTURE ALLOWING READERS TO FOLLOW THEIR OWN LEARNING PATHS

PROCEEDINGS OF THE 1996 INTERNATIONAL CONFERENCE ON PARALLEL PROCESSING, AUGUST 12-16, 1996: ALGORITHMS & APPLICATIONS

1996

ARTIFICIAL INTELLIGENCE AND ITS VARIOUS COMPONENTS ARE RAPIDLY ENGULFING ALMOST EVERY PROFESSIONAL INDUSTRY SPECIFIC FEATURES OF AI THAT HAVE PROVEN TO BE VITAL SOLUTIONS TO NUMEROUS REAL WORLD ISSUES ARE MACHINE LEARNING AND DEEP LEARNING THESE INTELLIGENT AGENTS UNLOCK HIGHER LEVELS OF PERFORMANCE AND EFFICIENCY CREATING A WIDE SPAN OF INDUSTRIAL APPLICATIONS HOWEVER THERE IS A LACK OF RESEARCH ON THE SPECIFIC USES OF MACHINE DEEP LEARNING IN THE PROFESSIONAL REALM MACHINE LEARNING AND DEEP LEARNING IN REAL TIME APPLICATIONS PROVIDES EMERGING RESEARCH EXPLORING THE THEORETICAL AND PRACTICAL ASPECTS OF MACHINE LEARNING AND DEEP LEARNING AND THEIR IMPLEMENTATIONS AS WELL AS THEIR ABILITY TO SOLVE REAL WORLD PROBLEMS WITHIN SEVERAL PROFESSIONAL DISCIPLINES INCLUDING HEALTHCARE BUSINESS AND COMPUTER SCIENCE FEATURING COVERAGE ON A BROAD RANGE OF TOPICS SUCH AS IMAGE PROCESSING MEDICAL IMPROVEMENTS AND SMART GRIDS THIS BOOK IS IDEALLY DESIGNED FOR RESEARCHERS ACADEMICIANS SCIENTISTS INDUSTRY EXPERTS SCHOLARS IT PROFESSIONALS ENGINEERS AND STUDENTS SEEKING CURRENT RESEARCH ON THE MULTIFACETED USES AND IMPLEMENTATIONS OF MACHINE LEARNING AND DEEP LEARNING ACROSS THE GLOBE

HANDBOOK OF RESEARCH ON AI AND ML FOR INTELLIGENT MACHINES AND SYSTEMS

2023-11-27

THIS BOOK PRESENTS NOVEL CLASSIFICATION ALGORITHMS FOR FOUR CHALLENGING PREDICTION TASKS NAMELY LEARNING FROM IMBALANCED SEMI SUPERVISED MULTI INSTANCE AND MULTI LABEL DATA THE METHODS ARE BASED ON FUZZY ROUGH SET THEORY A MATHEMATICAL FRAMEWORK USED TO MODEL UNCERTAINTY IN DATA THE BOOK MAKES TWO MAIN CONTRIBUTIONS HELPING READERS GAIN A DEEPER UNDERSTANDING OF THE UNDERLYING MATHEMATICAL THEORY AND DEVELOPING NEW INTUITIVE AND WELL PERFORMING CLASSIFICATION APPROACHES THE AUTHORS BRIDGE THE GAP BETWEEN THE THEORETICAL PROPOSALS OF THE MATHEMATICAL MODEL AND IMPORTANT CHALLENGES IN MACHINE LEARNING THE INTENDED READERSHIP OF THIS BOOK INCLUDES ANYONE INTERESTED IN LEARNING MORE ABOUT FUZZY ROUGH SET THEORY AND HOW TO USE IT IN PRACTICAL MACHINE LEARNING CONTEXTS ALTHOUGH THE CORE AUDIENCE CHIEFLY CONSISTS OF MATHEMATICIANS COMPUTER SCIENTISTS AND ENGINEERS THE CONTENT WILL ALSO BE INTERESTING AND ACCESSIBLE TO STUDENTS AND PROFESSIONALS FROM A RANGE OF OTHER FIELDS

MACHINE LEARNING AND DEEP LEARNING IN REAL-TIME APPLICATIONS

2020-04-24

THE RECENT ADVANCEMENT OF INDUSTRIAL COMPUTERIZATION HAS SIGNIFICANTLY HELPED IN RESOLVING THE CHALLENGES WITH CONVENTIONAL INDUSTRIAL SYSTEMS THE INDUSTRY 4.0 QUALITY STANDARDS DEMAND SMART AND INTELLIGENT SOLUTIONS TO REVOLUTIONIZE INDUSTRIAL APPLICATIONS THE INTEGRATION OF MACHINE INTELLIGENCE AND INTERNET OF THINGS IOT TECHNOLOGIES CAN FURTHER DEVISE INNOVATIVE SOLUTIONS TO RECENT INDUSTRIAL APPLICATION ISSUES EMPOWERING SUSTAINABLE INDUSTRIAL 4.0 SYSTEMS WITH MACHINE INTELLIGENCE ASSESSES THE CHALLENGES LIMITATIONS AND POTENTIAL SOLUTIONS FOR CREATING MORE SUSTAINABLE AND AGILE INDUSTRIAL SYSTEMS THIS PUBLICATION PRESENTS RECENT INTELLIGENT SYSTEMS FOR A WIDE RANGE OF INDUSTRIAL APPLICATIONS AND SMART SAFETY MEASURES TOWARD INDUSTRIAL SYSTEMS COVERING TOPICS SUCH AS GEOSPATIAL TECHNOLOGIES REMOTE SENSING AND TEMPORAL ANALYSIS THIS BOOK IS A DYNAMIC RESOURCE FOR HEALTH PROFESSIONALS PHARMACEUTICAL PROFESSIONALS MANUFACTURING PROFESSIONALS POLICYMAKERS ENGINEERS COMPUTER SCIENTISTS RESEARCHERS INSTRUCTORS STUDENTS AND ACADEMICIANS

DEALING WITH IMBALANCED AND WEAKLY LABELLED DATA IN MACHINE LEARNING USING FUZZY AND ROUGH SET METHODS

2018-11-23

THIS BOOK IS DESIGNED BASED ON REVISED SYLLABUS OF JNTU HYDERABAD AICTE MODEL CURRICULUM FOR UNDER GRADUATE B TECH BE STUDENTS OF ALL BRANCHES THOSE WHO STUDY BASIC ELECTRICAL ENGINEERING AS ONE OF THE SUBJECT IN THEIR CURRICULUM THE PRIMARY GOAL OF THIS BOOK IS TO ESTABLISH A FIRM UNDERSTANDING OF THE BASIC LAWS OF ELECTRIC CIRCUITS NETWORK THEOREMS RESONANCE THREE PHASE CIRCUITS TRANSFORMERS ELECTRICAL MACHINES AND ELECTRICAL INSTALLATION

EMPOWERING SUSTAINABLE INDUSTRIAL 4.0 SYSTEMS WITH MACHINE INTELLIGENCE

2022-04-01

2023-07-01

3/14

SYMMETRY ADAPTED MACHINE LEARNING HAS SHOWN ENCOURAGING ABILITY TO MITIGATE THE SECURITY RISKS IN INFORMATION AND COMMUNICATION TECHNOLOGY ICT SYSTEMS IT IS A SUBSET OF ARTIFICIAL INTELLIGENCE AI THAT RELIES ON THE PRINCIPLES OF PROCESSING FUTURE EVENTS BY LEARNING PAST EVENTS OR HISTORICAL DATA THE AUTONOMOUS NATURE OF SYMMETRY ADAPTED MACHINE LEARNING SUPPORTS EFFECTIVE DATA PROCESSING AND ANALYSIS FOR SECURITY DETECTION IN ICT SYSTEMS WITHOUT THE INTERFERENCE OF HUMAN AUTHORITIES MANY INDUSTRIES ARE DEVELOPING MACHINE LEARNING ADAPTED SOLUTIONS TO SUPPORT SECURITY FOR SMART HARDWARE DISTRIBUTED COMPUTING AND THE CLOUD IN OUR SPECIAL ISSUE BOOK WE FOCUS ON THE DEPLOYMENT OF SYMMETRY ADAPTED MACHINE LEARNING FOR INFORMATION SECURITY IN VARIOUS APPLICATION AREAS THIS SECURITY APPROACH CAN SUPPORT EFFECTIVE METHODS TO HANDLE THE DYNAMIC NATURE OF SECURITY ATTACKS BY EXTRACTION AND ANALYSIS OF DATA TO IDENTIFY HIDDEN PATTERNS OF DATA THE MAIN TOPICS OF THIS ISSUE INCLUDE MALWARE CLASSIFICATION AN INTRUSION DETECTION SYSTEM IMAGE WATERMARKING COLOR IMAGE WATERMARKING BATTLEFIELD TARGET AGGREGATION BEHAVIOR RECOGNITION MODEL IP CAMERA INTERNET OF THINGS IOT SECURITY SERVICE FUNCTION CHAIN INDOOR POSITIONING SYSTEM AND CRYPTO ANALYSIS

PROCEEDINGS

1993

WE WERE ESTABLISHED IN 2020 AS AN ACADEMIC STUDIES GROUP THE PURPOSE OF OUR GROUP IS TO SHARE ACADEMIC INFORMATION WRITE ACADEMIC BOOKS AND SHARE NEW VIEWS AND IDEAS OUR GROUP WHICH STARTED ITS ACTIVITIES WITH THIS MISSION HAS BECOME AN ASSOCIATION IN 2022 THE ACADEMIC STUDIES GROUP IS A GROUP FORMED BY FACULTY MEMBERS FROM MORE THAN 20 COUNTRIES OUR GROUP CONSISTS OF 800 ACADEMICIANS 500 OF WHOM ARE FROM TURKEY AND 300 FROM VARIOUS COUNTRIES OF THE WORLD WE HELD OUR FIRST CONGRESS TOGETHER WITH [?] A [?] UNIVERSITY IN MAY 2021 WE HELD OUR SECOND CONGRESS TOGETHER WITH KARABUK UNIVERSITY IN OCTOBER 2021 WE HELD OUR TH [?] RD CONGRESS TOGETHER WITH OSMANIYE KORKUT ATA UNIVERSITY IN MAY 2022 IV THE INTERNATIONAL CONGRESS OF ACADEMIC STUDIES ASC 2022 FALL HELD IN POLAND BETWEEN 3 5 NOVEMBER 2022 HOSTED BY ALCIDE DE GASPERI UNIVERSITY OF EUROREGIONAL ECONOMY POLAND FACE TO FACE AND ONLINE AS THE ACADEMIC WORKING GROUP WE ARE GETTING STRONGER WITH EACH CONGRESS WE WOULD LIKE TO THANK THE ORGANIZING COMMITTEE AND OUR AUTHORS FOR THEIR SUPPORT AT THE CONGRESS WE HOPE TO UNITE THIS COOPERATION UNDER THE ROOF OF AN INSTITUTE OR UNIVERSITY IN THE COMING YEARS

BASIC ELECTRICAL ENGINEERING

2020-12-15

ARTIFICIAL INTELLIGENCE MODELS ARE BEING USED TO MAKE LABOR AND DELIVERY SAFER FOR MOTHERS AND NEWBORNS SENSORS ARE EXPLOITED TO GAUGE HEALTH PARAMETERS AND MACHINE LEARNING TECHNIQUES ARE INVESTIGATED TO PREDICT THE HEALTH CONDITIONS OF PATIENTS TO ASSIST MEDICAL PRACTITIONERS THIS IS A CRITICAL AREA OF STUDY AS MATERNAL AND INFANT HEALTH ARE INDISPENSABLE FOR A HEALTHY SOCIETY PREDICTING PREGNANCY COMPLICATIONS THROUGH ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING CONSIDERS THE RECENT ADVANCES CHALLENGES AND BEST PRACTICES OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN RELATION TO PREGNANCY COMPLICATIONS COVERING KEY TOPICS SUCH AS PREGNANCY COMPLICATIONS WEARABLE SENSORS AND HEALTHCARE TECHNOLOGIES THIS PREMIER REFERENCE SOURCE IS IDEAL FOR NURSES DOCTORS COMPUTER SCIENTISTS MEDICAL PROFESSIONALS INDUSTRY PROFESSIONALS RESEARCHERS ACADEMICIANS SCHOLARS INSTRUCTORS AND STUDENTS

SYMMETRY-ADAPTED MACHINE LEARNING FOR INFORMATION SECURITY

2023-01-03

IN THE FIELD OF FINANCE THE PERVASIVE INFLUENCE OF ALGORITHMS HAS TRANSFORMED THE VERY FABRIC OF THE INDUSTRY TODAY OVER 75 OF TRADES ARE ORCHESTRATED BY ALGORITHMS MAKING THEM THE LINCHPIN FOR TRADE AUTOMATION PREDICTIONS AND DECISION MAKING THIS ALGORITHMIC RELIANCE WHILE PROPELLING FINANCIAL SERVICES INTO UNPRECEDENTED EFFICIENCY HAS ALSO USHERED IN A HOST OF CHALLENGES AS THE FINANCIAL SECTOR BECOMES INCREASINGLY ALGORITHM DRIVEN CONCERNS ABOUT RISK ASSESSMENT MARKET MANIPULATION AND THE ETHICAL IMPLICATIONS OF AUTOMATED DECISION MAKING HAVE TAKEN CENTER STAGE ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING POWERED SMART FINANCE METICULOUSLY EXAMINES THE INTERSECTION OF COMPUTATIONAL FINANCE AND ADVANCED ALGORITHMS AND THE CHALLENGES ASSOCIATED WITH THIS TECHNOLOGY AS ALGORITHMS PERMEATE VARIOUS FACETS OF FINANCIAL SERVICES THE BOOK TAKES A DEEP DIVE INTO THEIR APPLICATIONS SPANNING FORECASTING PORTFOLIO OPTIMIZATION MARKET TRENDS ANALYSIS AND CRYPTOANALYSIS IT SHEDS LIGHT ON THE ROLE OF AI BASED ALGORITHMS IN PERSONNEL SELECTION IMPLEMENTING TRUSTED FINANCIAL SERVICES DEVELOPING RECOMMENDATION SYSTEMS FOR FINANCIAL PLATFORMS AND DETECTING FRAUD PRESENTING A COMPELLING CASE FOR THE INTEGRATION OF INNOVATIVE SOLUTIONS IN THE FINANCIAL SECTOR AS THE BOOK UNRAVELS THE INTRICATE TAPESTRY OF ALGORITHMIC APPLICATIONS IN FINANCE IT ALSO ILLUMINATES THE ETHICAL CONSIDERATIONS AND GOVERNANCE FRAMEWORKS ESSENTIAL FOR NAVIGATING THE DELICATE BALANCE BETWEEN TECHNOLOGICAL INNOVATION AND RESPONSIBLE FINANCIAL PRACTICES

IV. ASC-2022/FALL CONGRESS HOSTED BY - CHANGE & SHAPING THE FUTURE

1975

THE LNCS VOLUME CONSTITUTES THE REFEREED PROCEEDINGS OF 10TH INTERNATIONAL CONFERENCE PREMI 2023 IN KOLKATA INDIA IN DECEMBER 2023 THE 91 FULL PAPERS PRESENTED TOGETHER WITH ABSTRACTS OF 6 KEYNOTE AND INVITED TALKS WERE CAREFULLY REVIEWED AND SELECTED FROM MORE THAN 300 SUBMISSIONS THE CONFERENCE PRESENTS TOPICS COVERING DIFFERENT ASPECTS OF PATTERN RECOGNITION AND MACHINE INTELLIGENCE WITH REAL LIFE STATE OF THE ART APPLICATIONS

BARQUE'S PAKISTAN TRADE DIRECTORY AND WHO'S WHO

2023-09-25

THIS BOOK FEATURES SELECTED PAPERS PRESENTED AT THE INTERNATIONAL CONFERENCE ON INFORMATION MANAGEMENT AND MACHINE INTELLIGENCE ICIMMI 2019 HELD AT THE POORNIMA INSTITUTE OF ENGINEERING TECHNOLOGY JAIPUR RAJASTHAN INDIA ON DECEMBER 14 15 2019 IT COVERS A RANGE OF TOPICS INCLUDING DATA ANALYTICS AI MACHINE AND DEEP LEARNING INFORMATION MANAGEMENT SECURITY PROCESSING TECHNIQUES AND INTERPRETATION APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN SOFT COMPUTING AND PATTERN RECOGNITION CLOUD BASED APPLICATIONS FOR MACHINE LEARNING APPLICATION OF IOT IN POWER DISTRIBUTION SYSTEMS AS WELL AS WIRELESS SENSOR NETWORKS AND ADAPTIVE WIRELESS COMMUNICATION

PREDICTING PREGNANCY COMPLICATIONS THROUGH ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

2024-02-12

SIGNAL PROCESSING DRIVEN MACHINE LEARNING TECHNIQUES FOR CARDIOVASCULAR DATA PROCESSING FEATURES RECENT ADVANCES IN MACHINE LEARNING COUPLED WITH NEW SIGNAL PROCESSING BASED METHODS FOR CARDIOVASCULAR DATA ANALYSIS TOPICS IN THIS BOOK INCLUDE MACHINE LEARNING METHODS SUCH AS SUPERVISED LEARNING UNSUPERVISED

LEARNING SEMI SUPERVISED LEARNING AND META LEARNING COMBINED WITH DIFFERENT SIGNAL PROCESSING TECHNIQUES SUCH AS MULTIVARIATE DATA ANALYSIS TIME FREQUENCY ANALYSIS MULTISCALE ANALYSIS AND FEATURE EXTRACTION TECHNIQUES FOR THE DETECTION OF CARDIOVASCULAR DISEASES HEART VALVE DISORDERS HYPERTENSION AND ACTIVITY MONITORING USING ECG PPG AND PCG SIGNALS IN ADDITION THIS BOOK ALSO INCLUDES THE APPLICATIONS OF DIGITAL SIGNAL PROCESSING TIME FREQUENCY ANALYSIS MULTISCALE DECOMPOSITION FEATURE EXTRACTION NON LINEAR ANALYSIS AND TRANSFORM DOMAIN METHODS MACHINE LEARNING AND DEEP LEARNING CONVOLUTIONAL NEURAL NETWORK CNN RECURRENT NEURAL NETWORK RNN TRANSFORMER AND ATTENTION BASED MODELS ETC TECHNIQUES FOR THE ANALYSIS OF CARDIAC SIGNALS THE INTERPRETABLE MACHINE LEARNING AND DEEP LEARNING MODELS COMBINED WITH SIGNAL PROCESSING FOR CARDIOVASCULAR DATA ANALYSIS ARE ALSO COVERED PROVIDES DETAILS REGARDING THE APPLICATION OF VARIOUS SIGNAL PROCESSING AND MACHINE LEARNING BASED METHODS FOR CARDIOVASCULAR SIGNAL ANALYSIS COVERS METHODOLOGIES AS WELL AS EXPERIMENTAL RESULTS AND STUDIES HELPS READERS UNDERSTAND THE USE OF DIFFERENT CARDIAC SIGNALS SUCH AS ECG PCG AND PPG FOR THE AUTOMATED DETECTION OF HEART AILMENTS AND OTHER RELATED BIOMEDICAL APPLICATIONS

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING-POWERED SMART FINANCE

2023-12-16

THE BOOK IS A COLLECTION OF HIGH QUALITY PEER REVIEWED RESEARCH PAPERS PRESENTED IN THE FIRST INTERNATIONAL CONFERENCE ON MACHINE INTELLIGENCE FOR RESEARCH AND INNOVATIONS MAITRI 2023 SUMMIT HELD AT DR B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY JALANDHAR PUNJAB INDIA DURING 13 SEPTEMBER 2023 THIS BOOK FOCUSES ON RECENT ADVANCEMENT IN THE THEORY AND REALIZATION OF MACHINE INTELLIGENCE MI AND THEIR TOOLS AND GROWING APPLICATIONS SUCH AS MACHINE LEARNING DEEP LEARNING QUANTUM MACHINE LEARNING REAL TIME COMPUTER VISION PATTERN RECOGNITION NATURAL LANGUAGE PROCESSING STATISTICAL MODELLING AUTONOMOUS VEHICLES HUMAN INTERFACES COMPUTATIONAL INTELLIGENCE AND ROBOTICS

PATTERN RECOGNITION AND MACHINE INTELLIGENCE

1983

THIS BOOK PRESENTS STATE OF THE ART OPTIMIZATION ALGORITHMS FOLLOWED BY INTERNET OF THINGS IOT FUNDAMENTALS THE APPLICATIONS OF MACHINE LEARNING AND IOT ARE EXPLORED WITH TOPICS INCLUDING OPTIMIZATION ALGORITHMS AND MACHINE LEARNING IN IMAGE PROCESSING AND IOT APPLICATIONS OF OPTIMIZATION AND MACHINE LEARNING IN IMAGE PROCESSING AND IOT IS A COMPLETE REFERENCE SOURCE PROVIDING THE LATEST RESEARCH FINDINGS AND SOLUTIONS FOR OPTIMIZATION AND MACHINE LEARNING ALGORITHMS THE CHAPTERS EXAMINE AND DISCUSS THE FIELDS OF MACHINE LEARNING IOT AND IMAGE PROCESSING KEY FEATURES INCLUDES FUNDAMENTAL CONCEPTS TOWARDS ADVANCED APPLICATIONS IN MACHINE LEARNING AND IOT DISCUSSES POTENTIAL AND CHALLENGES OF MACHINE LEARNING FOR IOT AND OPTIMIZATION REVIEWS RECENT ADVANCEMENTS IN DIVERSE RESEARCHES ON COMPUTER VISION NETWORKING AND OPTIMIZATION FIELD PRESENTS LATEST TECHNOLOGIES SUCH AS MACHINE LEARNING IN IMAGE PROCESSING AND IOT THIS BOOK HAS BEEN WRITTEN FOR READERS IN ACADEMIA ENGINEERING IT SPECIALISTS RESEARCHERS INDUSTRIAL PROFESSIONALS AND STUDENTS AND IS A GREAT REFERENCE FOR THOSE JUST STARTING OUT IN THE FIELD AS WELL AS THOSE AT AN ADVANCED LEVEL

MACHINERY LLOYD

2020-09-16

IN THE REALM OF ISLAMIC FINANCE A PIVOTAL CHALLENGE LOOMS THE ESCALATING COMPLEXITY OF INVESTMENT DECISIONS MACROECONOMIC ANALYSES AND CREDIT EVALUATIONS IN RESPONSE WE PRESENT A GROUNDBREAKING

2023-07-01

6/14

SEC PROJECT MATHS SAMPLE PAPER
SOLUTIONS

SOLUTION THAT RESONATES WITH THE RAPIDLY EVOLVING FINTECH ERA FINTECH APPLICATIONS IN ISLAMIC FINANCE AI MACHINE LEARNING AND BLOCKCHAIN TECHNIQUES OFFERS A COMPELLING REPOSITORY OF KNOWLEDGE METICULOUSLY CURATED BY RENOWNED EDITORS MOHAMMAD IRFAN SEIFEDINE KADRY MUHAMMAD SHARIF AND HABIB ULLAH KHAN FINTECH APPLICATIONS IN ISLAMIC FINANCE AI MACHINE LEARNING AND BLOCKCHAIN TECHNIQUES IS A CALL TO ACTION AN EXPLORATION OF INNOVATION AND A GUIDE FOR BOTH ACADEMIA AND INDUSTRY IN AN ERA WHERE AI ML AND BLOCKCHAIN RESHAPE FINANCE THIS BOOK STANDS AS A BEACON OF KNOWLEDGE USHERING ISLAMIC FINANCE INTO A REALM OF UNPRECEDENTED EFFICIENCY AND INSIGHT AS WE INVITE READERS TO EMBARK ON THIS TRANSFORMATIVE JOURNEY WE ILLUMINATE THE PATH TO A FUTURE WHERE TECHNOLOGY AND TRADITION CONVERGE HARMONIOUSLY

INFORMATION MANAGEMENT AND MACHINE INTELLIGENCE

2024-06-17

THIS TWO VOLUME SET CCIS 1762 1763 CONSTITUTES THE REFEREED PROCEEDINGS OF THE 4TH INTERNATIONAL CONFERENCE ON MACHINE LEARNING IMAGE PROCESSING NETWORK SECURITY AND DATA SCIENCES MIND 2022 HELD IN BHOPAL INDIA IN DECEMBER 2022 THE 64 PAPERS PRESENTED IN THIS TWO VOLUME SET WERE THOROUGHLY REVIEWED AND SELECTED FROM 399 SUBMISSIONS THE PAPERS ARE ORGANIZED ACCORDING TO THE FOLLOWING TOPICAL SECTIONS MACHINE LEARNING AND COMPUTATIONAL INTELLIGENCE DATA SCIENCES IMAGE PROCESSING AND COMPUTER VISION NETWORK AND CYBER SECURITY

SIGNAL PROCESSING DRIVEN MACHINE LEARNING TECHNIQUES FOR CARDIOVASCULAR DATA PROCESSING

2024-02-13

THIS BOOK PRESENTS INNOVATIVE WORK IN CLIMATE INFORMATICS A NEW FIELD THAT REFLECTS THE APPLICATION OF DATA MINING METHODS TO CLIMATE SCIENCE AND SHOWS WHERE THIS NEW AND FAST GROWING FIELD IS HEADED GIVEN ITS INTERDISCIPLINARY NATURE CLIMATE INFORMATICS OFFERS INSIGHTS TOOLS AND METHODS THAT ARE INCREASINGLY NEEDED IN ORDER TO UNDERSTAND THE CLIMATE SYSTEM AN ASPECT WHICH IN TURN HAS BECOME CRUCIAL BECAUSE OF THE THREAT OF CLIMATE CHANGE THERE HAS BEEN A VERITABLE EXPLOSION IN THE AMOUNT OF DATA PRODUCED BY SATELLITES ENVIRONMENTAL SENSORS AND CLIMATE MODELS THAT MONITOR MEASURE AND FORECAST THE EARTH SYSTEM IN ORDER TO MEANINGFULLY PURSUE KNOWLEDGE DISCOVERY ON THE BASIS OF SUCH VOLUMINOUS AND DIVERSE DATASETS IT IS NECESSARY TO APPLY MACHINE LEARNING METHODS AND CLIMATE INFORMATICS LIES AT THE INTERSECTION OF MACHINE LEARNING AND CLIMATE SCIENCE THIS BOOK GREW OUT OF THE FOURTH WORKSHOP ON CLIMATE INFORMATICS HELD IN BOULDER COLORADO IN SEP 2014

MACHINE INTELLIGENCE FOR RESEARCH AND INNOVATIONS

2023-12-01

DIGITAL MARKETING EMERGED AS A NATURAL RESPONSE BY COMPANIES AND VENDORS TO LEVERAGE AND BENEFIT FROM THE SIGNIFICANT CONSUMER CONCENTRATION ON DIGITAL CHANNELS THIS PROLIFERATION OF IT APPLICATIONS AND THE ENORMOUS PRESENCE OF CUSTOMERS IN DIGITAL CHANNELS GENERATE A LARGE NUMBER OF PRODUCTS AND CUSTOMER DATA MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE ARE GAME CHANGING TECHNIQUES IN DIGITAL MARKETING TO ANALYZE THIS DATA THIS ANALYSIS HELPS MARKETERS TO PERSONALIZE THE SALES TOOLS TOWARD INDIVIDUALS OPTIMIZE THEIR OPERATIONS AND MINIMIZE EXPENDITURE CONTEMPORARY APPROACHES OF DIGITAL MARKETING AND THE ROLE OF MACHINE INTELLIGENCE DEMONSTRATES RELEVANT THEORIES OF DIGITAL MARKETING ALONG WITH TOOLS TECHNIQUES METHODS AND STRATEGIES IT ALSO IDENTIFIES THE RESEARCH GAPS FOR EFFECTIVE DIGITAL MARKETING TOOLS TECHNIQUES AND METHODS AND BUILDS A BRIDGE BETWEEN DIGITAL MARKETING STRATEGIES AND BUSINESS PLANS

2023-07-01

7/14

SEC PROJECT MATHS SAMPLE PAPER

SOLUTIONS

FOR ORGANIZATIONS COVERING TOPICS SUCH AS DIGITAL MARKETING METAVERSE AND VISITOR EXPERIENCE THIS PREMIER REFERENCE SOURCE IS AN ESSENTIAL RESOURCE FOR BUSINESS LEADERS AND MANAGERS MARKETERS IT MANAGERS DATA ANALYSTS SOCIAL MEDIA ANALYSTS STUDENTS AND EDUCATORS OF HIGHER EDUCATION RESEARCHERS AND ACADEMICIANS

APPLICATIONS OF OPTIMIZATION AND MACHINE LEARNING IN IMAGE PROCESSING AND IoT

2023-12-07

VISUALIZATION TECHNIQUES FOR CLIMATE CHANGE WITH MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE COVERS COMPUTER AIDED ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TECHNOLOGIES AS RELATED TO THE IMPACTS OF CLIMATE CHANGE AND ITS POTENTIAL TO PREVENT REMEDIATE THE EFFECTS AS SUCH DIFFERENT TYPES OF ALGORITHMS MATHEMATICAL RELATIONS AND SOFTWARE MODELS MAY HELP US TO UNDERSTAND OUR CURRENT REALITY PREDICT FUTURE WEATHER EVENTS AND CREATE NEW PRODUCTS AND SERVICES TO MINIMIZE HUMAN IMPACT CHANCES OF IMPROVING AND SAVING LIVES AND CREATING A HEALTHIER WORLD THIS BOOK COVERS DIFFERENT TYPES OF TOOLS FOR THE PREDICTION OF CLIMATE CHANGE AND ALTERNATIVE SYSTEMS WHICH CAN REDUCE THE LEVELS OF THREATS OBSERVED BY CLIMATE CHANGE SCIENTISTS MOREOVER THE BOOK WILL HELP TO ACHIEVE AT LEAST ONE OF 17 SUSTAINABLE DEVELOPMENT GOALS I E CLIMATE ACTION INCLUDES CASE STUDIES ON THE APPLICATION OF AI AND MACHINE LEARNING FOR MONITORING CLIMATE CHANGE EFFECTS AND MANAGEMENT FEATURES APPLICATIONS OF SOFTWARE AND ALGORITHMS FOR MODELING AND FORECASTING CLIMATE CHANGE SHOWS HOW REAL TIME MONITORING OF SPECIFIC FACTORS TEMPERATURE LEVEL OF GREENHOUSE GASES RAIN FALL PATTERNS ETC ARE RESPONSIBLE FOR CLIMATE CHANGE AND POSSIBLE MITIGATION EFFORTS TO ACHIEVE ENVIRONMENTAL SUSTAINABILITY

FINTECH APPLICATIONS IN ISLAMIC FINANCE: AI, MACHINE LEARNING, AND BLOCKCHAIN TECHNIQUES

2023-01-17

PHYTOREMEDIATION OF DOMESTIC WASTEWATER WITH THE INTERNET OF THINGS AND MACHINE LEARNING TECHNIQUES HIGHLIGHTS THE MOST RECENT ADVANCES IN PHYTOREMEDIATION OF WASTEWATER USING THE LATEST TECHNOLOGIES IT DISCUSSES PRACTICAL APPLICATIONS AND EXPERIENCES UTILIZING PHYTOREMEDIATION METHODS FOR ENVIRONMENTAL SUSTAINABILITY AND THE REMEDIATION OF WASTEWATER IT ALSO EXAMINES THE VARIOUS INTERRELATED DISCIPLINES RELATING TO PHYTOREMEDIATION TECHNOLOGIES AND PLOTS INDUSTRY S BEST PRACTICES TO SHARE THIS TECHNOLOGY WIDELY AS WELL AS THE LATEST FINDINGS AND STRATEGIES IT SERVES AS A NEXUS BETWEEN ARTIFICIAL INTELLIGENCE ENVIRONMENTAL SUSTAINABILITY AND BIOREMEDIATION FOR ADVANCED STUDENTS AND PRACTISING PROFESSIONALS IN THE FIELD

MACHINE LEARNING, IMAGE PROCESSING, NETWORK SECURITY AND DATA SCIENCES

2015-06-30

THIS BOOK CONTAINS ORIGINAL PEER REVIEWED RESEARCH ARTICLES FROM THE SECOND INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MACHINE LEARNING IOT SMART CITIES AND APPLICATIONS HELD IN MARCH 28 29TH 2021 AT CMR INSTITUTE OF TECHNOLOGY HYDERABAD TELANGANA INDIA IT COVERS THE LATEST RESEARCH TRENDS AND DEVELOPMENTS IN AREAS OF MACHINE LEARNING ARTIFICIAL INTELLIGENCE NEURAL NETWORKS CYBER PHYSICAL SYSTEMS CYBERNETICS WITH EMPHASIS ON APPLICATIONS IN SMART CITIES INTERNET OF THINGS PRACTICAL DATA SCIENCE AND COGNITION THE BOOK FOCUSES ON THE COMPREHENSIVE TENETS OF ARTIFICIAL INTELLIGENCE MACHINE LEARNING AND DEEP LEARNING TO

2023-07-01

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SOLUTIONS

EMPHASIZE ITS USE IN MODELLING IDENTIFICATION OPTIMIZATION PREDICTION FORECASTING AND CONTROL OF FUTURE INTELLIGENT SYSTEMS SUBMISSIONS WERE SOLICITED OF UNPUBLISHED MATERIAL AND PRESENT IN DEPTH FUNDAMENTAL RESEARCH CONTRIBUTIONS FROM A METHODOLOGICAL APPLICATION PERSPECTIVE IN UNDERSTANDING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING APPROACHES AND THEIR CAPABILITIES IN SOLVING A DIVERSE RANGE OF PROBLEMS IN INDUSTRIES AND ITS REAL WORLD APPLICATIONS

MACHINE LEARNING AND DATA MINING APPROACHES TO CLIMATE SCIENCE

2023-08-01

THIS BOOK EXAMINES THE ROLE OF HUMAN MICROBIOME IN HUMAN HEALTH AND DISEASES THE INITIAL CHAPTERS PRESENT TOOLS FOR GENETIC MANIPULATION OF GUT MICROBIOTA AND THE THERAPEUTIC APPLICATIONS OF ENGINEERED MICROBIOTA THEY DISCUSS THE INTERACTION BETWEEN HUMAN MICROBIOTA AND HOST IN DEFINING THE PROMINENT ROLE OF MICROBES IN THE DEVELOPMENT AND PROGRESSION OF MAJOR HUMAN DISEASES THE BOOK ALSO SUMMARIZES THE CURRENT APPLICATIONS AND TRENDS FOR THE DEVELOPMENT PRODUCTION AND ANALYTICAL CHARACTERIZATION OF RECOMBINANT THERAPEUTIC PROTEINS IN MICROBIAL SYSTEMS IT ALSO REVIEWS THE ROLE OF MICROBES IN THE PRODUCTION OF VACCINES AND ANTIBIOTICS FURTHER THE BOOK PRESENTS BACTERIAL PRODUCTS INCLUDING PROTEINS ENZYMES IMMUNOTOXINS AND SECONDARY METABOLITES THAT TARGET CANCER CELLS AND CAUSE TUMOUR REGRESSION THE CHAPTERS ALSO DISCUSS THE CRITICAL ROLE OF GUT MICROBIOTA DYSBIOSIS IN THE PATHOGENESIS OF AUTOIMMUNE DISEASE AND IN BOWEL RELATED DISEASES TOWARDS THE END THE BOOK EXPLORES THE ROLE OF INTESTINAL MICROBIOTA IN METABOLIC HEALTH AND THE PATHOGENESIS OF COMMON METABOLIC DISORDERS IT PRESENTS STATE OF THE ART INSIGHTS INTO IMPORTANT ASPECTS OF UNITED NATIONS SUSTAINABLE DEVELOPMENTAL GOAL 3

CONTEMPORARY APPROACHES OF DIGITAL MARKETING AND THE ROLE OF MACHINE INTELLIGENCE

2022-11-11

PROCEEDINGS OF THE COMPUTER ARCHITECTURES FOR MACHINE PERCEPTION WORKSHOP HELD DEC 15 17 1993 IN NEW ORLEANS LOUISIANA PAPERS CAME FROM SEVERAL COMMUNITIES COMPUTER ARCHITECTURE PATTERN RECOGNITION IMAGE PROCESSING AND ANALYSIS COMPUTER VISION AND VLSI NO INDEX ANNOTATION COPYRIGHT BOOK N

VISUALIZATION TECHNIQUES FOR CLIMATE CHANGE WITH MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE

2023-03-30

DECOUPLING OF BUSINESS MODELS AND ECOSYSTEMS IS THE DISCONNECTION OF CERTAIN CHARACTERISTIC ACTIVITIES ORIGINALLY PLANNED AND COMPLETED IN COINCIDENCE IT COULD BRING IN AN IMMENSE ADVERSE SHOCK IN THE FUNCTIONING OF ESTABLISHED BUSINESS MODELS AND ECOSYSTEMS POSSIBLY BRINGING THEM TO RESILIENCE CORE CAUSES FOR DECOUPLING AND RESILIENCE OF BUSINESS MODELS AND ECOSYSTEMS ARE JOLTS KNOWN AS GLOBAL CRISIS UNIVERSAL PANDEMICS ETC THE UNDESIRABLE OUTCOMES OF CRITICAL EVENTS CAN REVEAL UNIQUE CIRCUMSTANCES FOR BUSINESS MODEL AND ECOSYSTEM RESILIENCE BUSINESS MODEL AND ECOSYSTEM RESILIENCE REPRESENTS A MANDATORY PREREQUISITE FOR FIRMS CHALLENGING THEIR FUNCTIONING AND EVEN VERY EXISTENCE RESEARCH HAS BEEN CONDUCTED THUS FAR NEVERTHELESS THIS THEME REQUIRES SIGNIFICANTLY MORE CONSIDERATION THE KEY OBJECTIVE OF THIS BOOK IS TO BRING FURTHER INSIGHTS IN THE FIELD DELIVERING A THOROUGH EXAMINATION OF THE WAYS IN WHICH BUSINESS MODELS AND ECOSYSTEMS CAN DEVELOP RESILIENCE UNDER EXTRAORDINARY CONDITIONS IN THE BOOK THE RESILIENCE OF BUSINESS MODELS AND ECOSYSTEMS IS ANALYSED AIMING TO INVESTIGATE FURTHER THE SPECIFICS OF THE RELEVANT PROCESSES

2023-07-01

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SECURING RESILIENCE AND ITS OUTCOMES THE RESILIENCE OF BUSINESS MODELS AND ECOSYSTEMS IS SCRUTINISED AS A CREDIBLE WAY FOR ENHANCING THE PREDISPOSITIONS OF FIRM S SURVIVABILITY CHAPTER 9 OF THIS BOOK AVAILABLE AT TAYLORFRANCIS COM HAS BEEN MADE AVAILABLE UNDER A CREATIVE COMMONS ATTRIBUTION NONCOMMERCIAL NO DERIVATIVES 4 0 LICENSE

PHYTOREMEDIATION OF DOMESTIC WASTEWATER WITH THE INTERNET OF THINGS AND MACHINE LEARNING TECHNIQUES

2022-01-10

TELGI AND THE STAMP SCAM DIDN T THAT HAPPEN A QUARTER OF A CENTURY AGO WHY NOW BECAUSE THE COMPLETE STORY OF THE COUNTERFEITER AND SCAMSTER HAS NEVER BEEN TOLD BEFORE BECAUSE THE STORY OF THE SHEER INNOVATION AND AUDACITY OF AN UNDERDOG NEEDS TO BE TOLD BECAUSE THE COMPLEX WEB OF CORRUPTION INVOLVING LAWMAKERS AND LAW KEEPERS CONTINUES BECAUSE THE CRIME HAS ALL THE OVERTONES OF A BOLLYWOOD POTBOILER REPLETE WITH CHASES CORRUPT GOVERNMENT OFFICIALS AND POLICEMEN POLITICAL CHICANERY BAR DANCERS AND YES A MURDER TOO BECAUSE OF THE MANY UNANSWERED QUESTIONS THAT REMAIN SO MANY YEARS AFTER THE CRIME AND THE DEATH OF ABDUL KARIM LADSAAB TELGI IN 2017 HOW WAS IT POSSIBLE FOR A MAN LIKE TELGI TO ESTABLISH A PAN INDIA BUSINESS IN 74 CITIES AND REACH SUCH DIZZYING HEIGHTS OF POWER AND PELF AMASSING A PERSONAL WEALTH OF OVER RS 17 000 CRORE WHILE SWINDLING THE ECONOMY TO THE TUNE OF RS 25 000 CRORE HOW DID HE MANAGE TO UNDERMINE THE HALLOWED INSTITUTIONS OF INDIA WHAT WAS THE SIZE OF THE SCAM HOW DID CBI PEG THE FIGURE AT A MERE FRACTION OF THE GUESSTIMATED AMOUNT THE COUNTERFEITER CHRONICLES THE AUDACIOUS SWINDLE BY THE FLAMBOYANT MASTERMIND IN A BLOW BY BLOW ACCOUNT OF ITS EXECUTION INVESTIGATION CHARGE SHEETS LEGAL DEVELOPMENTS TELGI S INCARCERATION TRIAL DEATH AND FINALLY EXONERATION AN UNPUTDOWNABLE TRUE CRIME DOSSIER

PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON RECENT TRENDS IN MACHINE LEARNING, IoT, SMART CITIES AND APPLICATIONS

2024-01-20

THE INTEGRATION OF ARTIFICIAL INTELLIGENCE AI WITH COMMUNICATION TECHNOLOGIES ICT IS A CRITICAL ASPECT OF RESEARCH AND DEVELOPMENT TODAY BUT IT POSES NUMEROUS CHALLENGES AND BOTTLENECKS TO ADDRESS THESE ISSUES THE BOOK AI AND ITS CONVERGENCE WITH COMMUNICATION TECHNOLOGIES EDITED BY A TEAM OF EXPERT SCHOLARS PROVIDES A COMPREHENSIVE OVERVIEW OF THE STATE OF THE ART RESEARCH AND PRACTICAL CHALLENGES RELATED TO AI S CONVERGENCE WITH ICT IT IS DESIGNED TO BENEFIT ENGINEERS PROFESSIONALS SCIENTISTS AND ACADEMICIANS PROVIDING THEM WITH INSIGHTS INTO THE ICT INDUSTRY AND RESEARCH FROM AN AI PERSPECTIVE THE BOOK COVERS A WIDE RANGE OF TOPICS INCLUDING RECENT ADVANCEMENTS AND APPLICATIONS IN AI AI IN SIGNAL PROCESSING AI IN MOBILE AND MODERN WIRELESS NETWORKS AND AI TOWARDS AUTOMATION IT ALSO ADDRESSES POTENTIAL APPLICATIONS OF AI IN NATIONAL DEFENSE MILITARY TECHNOLOGY HYBRID WARFARE MEDICAL AND HEALTH SCIENCES AND ENERGY EFFICIENT SYSTEMS FURTHERMORE THE BOOK HIGHLIGHTS THE STRENGTHS AND WEAKNESSES OF AI CONVERGENCE WITH ICT ALONG WITH EMERGING FRONTIERS AND RECOMMENDATIONS IT PROVIDES A BRIEF HISTORY OF AI IN ICT AND A COMPREHENSIVE INTRODUCTION TO ICT RELATED METHODS AND TECHNIQUES IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING THE BOOK EMPHASIZES THE ROLE OF AI IN EXTRACTING KNOWLEDGE AND MAKING PREDICTIONS IN DECISION MAKING STRATEGIES FOR BUSINESSES MANAGEMENT AND GOVERNANCE OVERALL THIS BOOK OFFERS A SIGNIFICANT CONTRIBUTION TO THE UNDERSTANDING OF AI AND ITS CONVERGENCE WITH COMMUNICATION TECHNOLOGIES MAKING IT A MUST READ FOR SCHOLARS AND RESEARCHERS WHO SEEK TO UNDERSTAND THE INTERSECTION OF AI AND ICT AND HOW IT IMPACTS MODERN INDUSTRIES AND RESEARCH

ROLE OF MICROBES IN SUSTAINABLE DEVELOPMENT

1993

THE FIELD OF RESEARCH THAT STUDIES THE EMERGENT COLLECTIVE INTELLIGENCE OF SELF ORGANIZED AND DECENTRALIZED SIMPLE AGENTS IS REFERRED TO AS SWARM INTELLIGENCE IT IS BASED ON SOCIAL BEHAVIOR THAT CAN BE OBSERVED IN NATURE SUCH AS FLOCKS OF BIRDS FISH SCHOOLS AND BEE HIVES WHERE A NUMBER OF INDIVIDUALS WITH LIMITED CAPABILITIES ARE ABLE TO COME TO INTELLIGENT SOLUTIONS FOR COMPLEX PROBLEMS THE COMPUTER SCIENCE COMMUNITY HAVE ALREADY LEARNED ABOUT THE IMPORTANCE OF EMERGENT BEHAVIORS FOR COMPLEX PROBLEM SOLVING HENCE THIS BOOK PRESENTS SOME RECENT ADVANCES ON SWARM INTELLIGENCE SPECIALLY ON NEW SWARM BASED OPTIMIZATION METHODS AND HYBRID ALGORITHMS FOR SEVERAL APPLICATIONS THE CONTENT OF THIS BOOK ALLOWS THE READER TO KNOW MORE BOTH THEORETICAL AND TECHNICAL ASPECTS AND APPLICATIONS OF SWARM INTELLIGENCE

1993 COMPUTER ARCHITECTURES FOR MACHINE PERCEPTION

2023-02-10

THIS BOOK PRESENTS THE FIRST BROAD REFLECTION ON THE CHALLENGES OPPORTUNITIES AND IMPLICATIONS OF ARTIFICIAL INTELLIGENCE AI IN THE GULF COOPERATION COUNCIL GCC UNIQUE RESULTS AND INSIGHTS ARE DERIVED THROUGH CASE STUDIES FROM DIVERSE DISCIPLINES INCLUDING ENGINEERING ECONOMICS DATA SCIENCE POLICY MAKING GOVERNANCE AND HUMANS SCIENCE PARTICULARLY RELATED TO THESE SOFTER DISCIPLINES WE MAKE SOME UNEXPLORED YET TOPICAL CONTRIBUTIONS TO THE LITERATURE WITH A FOCUS ON THE GCC BUT BY NO MEANS LIMITED TO IT INCLUDING AI AND IMPLICATIONS FOR WOMEN ISLAMIC SCHOOLS OF THOUGHT ON AI AND THE POWER OF AI TO HELP DELIVER WELLBEING AND HAPPINESS IN CITIES AND URBAN SPACES FINALLY THE READERS ARE PROVIDED WITH A SYNTHESIS OF IDEAS LESSONS LEARNED AND A PATH FORWARD BASED ON THE DIVERSE CONTENT OF THE CHAPTERS THE BOOK CATERS TO THE EDUCATED NON SPECIALIST WITH INTEREST IN AI TARGETING A WIDE AUDIENCE INCLUDING PROFESSIONALS ACADEMICS GOVERNMENT OFFICIALS POLICYMAKERS ENTREPRENEURS AND NON GOVERNMENTAL ORGANIZATIONS

RECONFIGURATION OF BUSINESS MODELS AND ECOSYSTEMS

2022-01-11

WHILE COGNITIVE INFORMATICS AND NATURAL INTELLIGENCE ARE RECEIVING GREATER ATTENTION BY RESEARCHERS MULTIDISCIPLINARY APPROACHES STILL STRUGGLE WITH FUNDAMENTAL PROBLEMS INVOLVING PSYCHOLOGY AND NEUROBIOLOGICAL PROCESSES OF THE BRAIN EXAMINING THE DIFFICULTIES OF CERTAIN APPROACHES USING THE TOOLS ALREADY AVAILABLE IS VITAL FOR PROPELLING KNOWLEDGE FORWARD AND MAKING FURTHER STRIDES INNOVATIONS ALGORITHMS AND APPLICATIONS IN COGNITIVE INFORMATICS AND NATURAL INTELLIGENCE IS A COLLECTION OF INNOVATIVE RESEARCH THAT EXAMINES THE ENHANCEMENT OF HUMAN COGNITIVE PERFORMANCE USING EMERGING TECHNOLOGIES FEATURING RESEARCH ON TOPICS SUCH AS PARALLEL COMPUTING NEUROSCIENCE AND SIGNAL PROCESSING THIS BOOK IS IDEALLY DESIGNED FOR ENGINEERS COMPUTER SCIENTISTS PROGRAMMERS ACADEMICIANS RESEARCHERS AND STUDENTS

COMPUTING, COMMUNICATION AND LEARNING

2023-08-25

THIS BOOK DISCUSSES THE ADVANCEMENTS IN ARTIFICIAL INTELLIGENT TECHNIQUES USED IN THE WELL BEING OF HUMAN HEALTHCARE IT DETAILS THE TECHNIQUES USED IN COLLECTION STORAGE AND ANALYSIS OF DATA AND THEIR USAGE IN DIFFERENT HEALTHCARE SOLUTIONS IT ALSO DISCUSSES THE TECHNIQUES OF PREDICTIVE ANALYSIS IN EARLY DIAGNOSIS

2023-07-01

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OF CRITICAL DISEASES THE EDITED BOOK IS DIVIDED INTO FOUR PARTS PART A DISCUSSES INTRODUCTION TO ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN HEALTHCARE PART B HIGHLIGHTS DIFFERENT ANALYTICAL TECHNIQUES USED IN HEALTHCARE PART C PROVIDES VARIOUS SECURITY AND PRIVACY MECHANISMS USED IN HEALTHCARE AND FINALLY PART D EXEMPLIFIES DIFFERENT TOOLS USED IN VISUALIZATION AND DATA ANALYTICS

THE COUNTERFEITER

2012-03-16

THIS BOOK GATHERS SELECTED HIGH QUALITY RESEARCH PAPERS FROM THE INTERNATIONAL CONFERENCE ON COMPUTATIONAL METHODS AND DATA ENGINEERING ICMDE 2020 HELD AT SRM UNIVERSITY SONIPAT DELHI NCR INDIA FOCUSING ON CUTTING EDGE TECHNOLOGIES AND THE MOST DYNAMIC AREAS OF COMPUTATIONAL INTELLIGENCE AND DATA ENGINEERING THE RESPECTIVE CONTRIBUTIONS ADDRESS TOPICS INCLUDING COLLECTIVE INTELLIGENCE INTELLIGENT TRANSPORTATION SYSTEMS FUZZY SYSTEMS DATA PRIVACY AND SECURITY DATA MINING DATA WAREHOUSING BIG DATA ANALYTICS CLOUD COMPUTING NATURAL LANGUAGE PROCESSING SWARM INTELLIGENCE AND SPEECH PROCESSING

AI AND ITS CONVERGENCE WITH COMMUNICATION TECHNOLOGIES

2021-06-23

THEORY AND NEW APPLICATIONS OF SWARM INTELLIGENCE

2021-07-08

ARTIFICIAL INTELLIGENCE IN THE GULF

1993

BROADENING THE USE OF MACHINE LEARNING IN HYDROLOGY

2020-01-03

LAHORE DIRECTORY OF INCOME TAX PAYERS

2021-05-20

INNOVATIONS, ALGORITHMS, AND APPLICATIONS IN COGNITIVE INFORMATICS AND NATURAL INTELLIGENCE

2020-08-19

2023-07-01

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ARTIFICIAL INTELLIGENCE FOR INFORMATION MANAGEMENT: A HEALTHCARE PERSPECTIVE

COMPUTATIONAL METHODS AND DATA ENGINEERING

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