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RESEARCH ANTHOLOGY ON BLOCKCHAIN TECHNOLOGY IN BUSINESS, HEALTHCARE, EDUCATION, AND GOVERNMENT -
MANAGEMENT ASSOCIATION, INFORMATION RESOURCES
2020-09-30

EVEN THOUGH BLOCKCHAIN TECHNOLOGY WAS ORIGINALLY CREATED AS A LEDGER SYSTEM FOR BITCOIN TO OPERATE ON, USING IT FOR AREAS OTHER THAN CRYPTOCURRENCY HAS BECOME INCREASINGLY POPULAR AS OF LATE. THE TRANSPARENCY AND SECURITY PROVIDED BY BLOCKCHAIN TECHNOLOGY IS CHALLENGING INNOVATION IN A VARIETY OF BUSINESSES AND IS BEING APPLIED IN FIELDS THAT INCLUDE ACCOUNTING AND FINANCE, SUPPLY CHAIN MANAGEMENT, AND EDUCATION. WITH THE ABILITY TO PERFORM SUCH TASKS AS TRACKING FRAUD AND SECURING THE DISTRIBUTION OF MEDICAL RECORDS, THIS TECHNOLOGY IS KEY TO THE ADVANCEMENT OF MANY INDUSTRIES. THE RESEARCH ANTHOLOGY ON BLOCKCHAIN TECHNOLOGY IN BUSINESS, HEALTHCARE, EDUCATION, AND GOVERNMENT IS A VITAL REFERENCE SOURCE THAT EXAMINES THE LATEST SCHOLARLY MATERIAL ON TRENDS, TECHNIQUES, AND USES OF BLOCKCHAIN TECHNOLOGY APPLICATIONS IN A VARIETY OF INDUSTRIES, AND HOW THIS TECHNOLOGY CAN FURTHER TRANSPARENCY AND SECURITY. HIGHLIGHTING A RANGE OF TOPICS SUCH AS CRYPTOGRAPHY, SMART CONTRACTS, AND DECENTRALIZED BLOCKCHAIN, THIS MULTI-VOLUME BOOK IS IDEALLY DESIGNED FOR ACADEMICS, RESEARCHERS, INDUSTRY LEADERS, MANAGERS, HEALTHCARE PROFESSIONALS, IT CONSULTANTS, ENGINEERS, PROGRAMMERS, PRACTITIONERS, GOVERNMENT OFFICIALS, POLICYMAKERS, AND STUDENTS.

ARTIFICIAL INTELLIGENCE-BASED SMART POWER SYSTEMS -
SANJEEVIKUMAR PADMANABAN 2022-12-20

AUTHORITATIVE RESOURCE DESCRIBING THE ARTIFICIAL INTELLIGENCE AND ADVANCED TECHNOLOGIES IN SMART POWER SYSTEMS WITH SIMULATION EXAMPLES AND CASE STUDIES ARTIFICIAL INTELLIGENCE-BASED SMART POWER SYSTEMS PRESENTS ADVANCED TECHNOLOGIES USED IN VARIOUS ASPECTS OF SMART POWER SYSTEMS, ESPECIALLY GRID-CONNECTED AND INDUSTRIAL EVOLUTION, COVERING MANY NEW TOPICS SUCH AS DISTRIBUTION PHASOR MANAGEMENT, BLOCKCHAIN TECHNOLOGIES FOR SMART POWER SYSTEMS, THE APPLICATION OF DEEP LEARNING AND REINFORCED LEARNING, AND ARTIFICIAL INTELLIGENCE TECHNIQUES. THE TEXT ALSO

EXPLORES THE POTENTIAL CONSEQUENCES OF ARTIFICIAL INTELLIGENCE AND ADVANCED TECHNOLOGIES IN SMART POWER SYSTEMS IN THE FORTHCOMING YEARS. TO ENHANCE AND REINFORCE LEARNING, THE HIGHLY QUALIFIED EDITORS INCLUDE MANY LEARNING RESOURCES THROUGHOUT THE TEXT, INCLUDING MATLAB AND HIL CODES, END-OF-CHAPTER PROBLEMS, END-OF-BOOK SOLUTIONS, PRACTICAL EXAMPLES, AND CASE STUDIES. ARTIFICIAL INTELLIGENCE-BASED SMART POWER SYSTEMS INCLUDES SPECIFIC INFORMATION ON TOPICS SUCH AS: MODELING AND ANALYSIS OF SMART POWER SYSTEMS, COVERING STEADY STATE ANALYSIS, DYNAMIC ANALYSIS, VOLTAGE STABILITY, AND MORE RECENT ADVANCEMENT IN POWER ELECTRONICS FOR SMART POWER SYSTEMS, COVERING POWER ELECTRONIC CONVERTERS FOR RENEWABLE ENERGY SOURCES, ELECTRIC VEHICLES, AND HDVC/FACTS DISTRIBUTION PHASOR MEASUREMENT UNITS (PMU) IN SMART POWER SYSTEMS, COVERING THE NEED FOR PMU IN DISTRIBUTION AND AUTOMATION OF SYSTEM RECONFIGURATIONS POWER AND ENERGY MANAGEMENT SYSTEMS FOR MICROGRIDS ENGINEERING COLLEGES AND UNIVERSITIES, ALONG WITH INDUSTRY RESEARCH CENTERS, CAN USE THE IN-DEPTH SUBJECT COVERAGE AND THE EXTENSIVE SUPPLEMENTARY LEARNING RESOURCES FOUND IN ARTIFICIAL INTELLIGENCE-BASED SMART POWER SYSTEMS TO GAIN A HOLISTIC UNDERSTANDING OF THE SUBJECT AND BE ABLE TO HARNESS THAT KNOWLEDGE WITHIN A MYRIAD OF PRACTICAL APPLICATIONS.

SMART ENERGY FOR TRANSPORTATION AND HEALTH IN A SMART CITY - QI HONG LAI 2022-11-21

SMART ENERGY FOR TRANSPORTATION AND HEALTH IN A SMART CITY A COMPREHENSIVE REVIEW OF THE ADVANCES OF SMART CITIES' SMART ENERGY, TRANSPORTATION, INFRASTRUCTURE, AND HEALTH SMART ENERGY FOR TRANSPORTATION AND HEALTH IN A SMART CITY OFFERS AN ESSENTIAL GUIDE TO THE FUNCTIONS, CHARACTERISTICS, AND DOMAINS OF SMART CITIES AND THE ENERGY TECHNOLOGY NECESSARY TO SUSTAIN THEM. THE AUTHORS—NOTED EXPERTS ON THE TOPIC—INCLUDE THEORETICAL UNDERPINNINGS, PRACTICAL INFORMATION, AND POTENTIAL BENEFITS FOR THE DEVELOPMENT OF SMART CITIES. THE BOOK INCLUDES INFORMATION ON VARIOUS FINANCIAL MODELS OF ENERGY STORAGE, THE MANAGEMENT OF NETWORKED MICRO-

GRIDS, COORDINATION OF VIRTUAL ENERGY STORAGE SYSTEMS, RELIABILITY MODELING AND ASSESSMENT OF CYBER SPACE, AND THE DEVELOPMENT OF A VEHICLE-TO-GRID VOLTAGE SUPPORT. THE AUTHORS REVIEW SMART TRANSPORTATION ELEMENTS SUCH AS ADVANCED METERING INFRASTRUCTURE FOR ELECTRIC VEHICLE CHARGING, POWER SYSTEM DISPATCHING WITH PLUG-IN HYBRID ELECTRIC VEHICLES, AND BEST PRACTICES FOR LOW POWER WIDE AREA NETWORK TECHNOLOGIES. IN ADDITION, THE BOOK EXPLORES SMART HEALTH THAT IS BASED ON THE INTERNET OF THINGS AND SMART DEVICES THAT CAN HELP IMPROVE PATIENT CARE PROCESSES AND DECREASE COSTS WHILE MAINTAINING QUALITY. THIS IMPORTANT RESOURCE: EXAMINES CHALLENGES AND OPPORTUNITIES THAT ARISE WITH THE DEVELOPMENT OF SMART CITIES PRESENTS STATE-OF-THE-ART FINANCIAL MODELS OF SMART ENERGY STORAGE CLEARLY EXPLORES ELEMENTS OF A SMART CITY BASED ON THE ADVANCEMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY CONTAINS A REVIEW OF ADVANCES IN SMART HEALTH FOR SMART CITIES INCLUDES A VARIETY OF REAL-LIFE CASE STUDIES THAT ILLUSTRATE VARIOUS COMPONENTS OF A SMART CITY WRITTEN FOR PRACTICING ENGINEERS AND ENGINEERING STUDENTS, SMART ENERGY FOR TRANSPORTATION AND HEALTH IN SMART CITIES OFFERS A PRACTICAL GUIDE TO THE VARIOUS ASPECTS THAT CREATE A SUSTAINABLE SMART CITY.

ADVANCES IN TOURISM, TECHNOLOGY AND SYSTEMS - JOÃO VIDAL DE CARVALHO 2020-11-16

THIS BOOK FEATURES A COLLECTION OF HIGH-QUALITY RESEARCH PAPERS PRESENTED AT THE INTERNATIONAL CONFERENCE ON TOURISM, TECHNOLOGY & SYSTEMS (ICOTTS 2020), HELD AT THE UNIVERSITY OF CARTAGENA, IN CARTAGENA DE INDIAS, COLOMBIA, FROM 29TH TO 31ST OCTOBER 2020. THE BOOK IS DIVIDED INTO TWO VOLUMES, AND IT COVERS THE AREAS OF TECHNOLOGY IN TOURISM AND THE TOURIST EXPERIENCE, GENERATIONS AND TECHNOLOGY IN TOURISM, DIGITAL MARKETING APPLIED TO TOURISM AND TRAVEL, MOBILE TECHNOLOGIES APPLIED TO SUSTAINABLE TOURISM, INFORMATION TECHNOLOGIES IN TOURISM, DIGITAL TRANSFORMATION OF TOURISM BUSINESS, E-TOURISM AND TOURISM 2.0, BIG DATA AND MANAGEMENT FOR TRAVEL AND TOURISM, GEOTAGGING AND TOURIST MOBILITY, SMART DESTINATIONS, ROBOTICS IN TOURISM, AND INFORMATION SYSTEMS AND TECHNOLOGIES.

IoT AND IoE DRIVEN SMART CITIES - SAMARENDRA NATH SUR 2021-12-15

THIS BOOK PROVIDES DETAIL ON APPLYING INTERNET OF THINGS (IoT) AND INTERNET OF EVERYTHING (IoE) IN SMART CITIES AND THEIR DESIGN ASPECTS RELATED TO PHYSICAL AND NETWORK LAYER MODELS. THE AUTHORS EXPLORE THE POSSIBILITIES OF UTILIZING COMMUNICATION TECHNOLOGIES LIKE MULTI-INPUT MULTI-OUTPUT (MIMO), NARROW-BAND IoT (NB-IoT), ULTRA-RELIABLE LOW LATENCY COMMUNICATIONS (URLLC), ENHANCED MOBILE BROADBAND (eMBB), AND MASSIVE MACHINE-TYPE COMMUNICATIONS (mMTC) FOR SUCCESSFUL IMPLEMENTATION OF THE IoT/IoE. THE AUTHORS ALSO ADDRESS THE DEVELOPMENT AND ADVANCEMENT IN CLOUD COMPUTING TO SUPPORT IoT AND IoE. RESEARCH ON THE CHALLENGES AND FUTURE PREDICTIONS

FOR EFFICIENTLY IMPLEMENTING AND EXPLORING THE BENEFITS OF SMART CITIES ARE ALSO EXPLORED. THE BOOK PERTAINS TO RESEARCHERS, ACADEMICS, AND PROFESSIONALS IN THE FIELD. DISCUSSES THE APPLICABILITY OF INTERNET OF THINGS (IoT) AND INTERNET OF EVERYTHING (IoE) FOR SMART CITIES; ADDRESSES DIFFERENT PROTOCOLS, NETWORKS, AND TECHNOLOGIES RELATED TO THE IMPLEMENTATION OF IoT AND IoE FOR SMART CITIES; PROVIDES A DETAILED OVERVIEW ON THE PHYSICAL AND NETWORK LAYER DESIGN AND SIGNAL PROCESSING ALGORITHMS RELATED TO IoT AND IoE.

OECD REGIONAL OUTLOOK 2019 LEVERAGING MEGATRENDS FOR CITIES AND RURAL AREAS - OECD 2019-03-19

LARGE AND PERSISTENT INEQUALITIES IN REGIONAL ECONOMIC PERFORMANCE WITHIN COUNTRIES EXIST THROUGHOUT THE OECD. THE 2019 REGIONAL OUTLOOK DISCUSSES THE UNDERLYING CAUSES OF ECONOMIC DISPARITIES ACROSS REGIONS AND HIGHLIGHTS THE NEED FOR PLACE-BASED POLICIES TO ADDRESS THEM. THE REPORT MAKES THE ...

MEASURING ONTOLOGIES FOR VALUE ENHANCEMENT: ALIGNING COMPUTING PRODUCTIVITY WITH HUMAN CREATIVITY FOR SOCIETAL ADAPTATION - RUBINA POLOVINA 2023-01-01

THIS BOOK CONSTITUTES SELECTED AND REVISED PAPERS PRESENTED AT THE FIRST INTERNATIONAL WORKSHOP ON MEASURING ONTOLOGIES FOR VALUE ENHANCEMENT, MOVE 2020, HELD AS VIRTUAL EVENT IN OCTOBER 2020. THE 7 EXTENDED AND REVISED PAPERS PRESENTED WERE THOROUGHLY REVIEWED AND SELECTED FROM THE 13 SUBMISSIONS. ALONG WITH THEM, THE VOLUME PRESENTS 5 INVITED PAPERS. THE VOLUME ARTICLES ARE ARRANGED IN THE TOPICAL SECTIONS ON COMPLEXITY OF KNOWLEDGE-INTENSIVE ENDEAVORS; ONTOLOGY MODELING; ENTERPRISE ONTOLOGIES; KNOWLEDGE DISCOVERY AND INNOVATIONS.

THE REPORT: DUBAI 2018 -

DUBAI HAS CONTINUED TO MEET ITS TARGETS IN BECOMING THE GLOBAL CAPITAL OF ISLAMIC FINANCE, NEARLY DOUBLING THE NUMBER OF SUKUK (ISLAMIC BONDS) LISTINGS ON ITS EXCHANGES SINCE 2017. FURTHERMORE, EASED POLICY RESTRICTIONS TO ENCOURAGE FOREIGN INVESTMENT AND THE 2019 BUDGET'S CONTINUED COMMITMENT TO INFRASTRUCTURE DEVELOPMENT AHEAD OF EXPO 2020 ARE EXPECTED TO CONTINUE DRIVING ECONOMIC ACTIVITY. AS ONE OF THE MOST DIVERSIFIED ECONOMIES IN THE REGION, DUBAI CONTINUES TO PRESENT GROWTH OPPORTUNITIES IN VARIOUS SECTORS INCLUDING TOURISM, LOGISTICS, MANUFACTURING AND EDUCATION. ALTHOUGH THE EMIRATE HAS BENEFITTED FROM ITS PROXIMITY TO OIL AND GAS FIELDS, DUBAI IS RIGHT AT THE FOREFRONT OF THE EMERGING CLEANER ENERGY WORLD, AND DEVELOPING AND PROMOTING RENEWABLE TECHNOLOGIES, INCLUDING SOLAR ENERGY AND ELECTRIC VEHICLES.

BLOCKCHAIN FOR INDUSTRY 4.0 - ANOOP V.S. 2022-12-23

THIS REFERENCE TEXT PROVIDES THE THEORETICAL FOUNDATIONS, THE EMERGENCE, AND THE APPLICATION AREAS OF BLOCKCHAIN IN AN EASY-TO-UNDERSTAND MANNER THAT WOULD BE HIGHLY HELPFUL FOR THE RESEARCHERS, ACADEMICIANS, AND INDUSTRY PROFESSIONALS TO UNDERSTAND THE DISRUPTIVE POTENTIALS OF BLOCKCHAIN. IT EXPLAINS BLOCKCHAIN CONCEPTS RELATED TO INDUSTRY 4.0,

SMART HEALTHCARE, AND THE INTERNET OF THINGS (IoT) AND EXPLORES SMART CONTRACTS AND CONSENSUS ALGORITHMS. THIS BOOK WILL SERVE AS AN IDEAL REFERENCE TEXT FOR GRADUATE STUDENTS AND ACADEMIC RESEARCHERS IN ELECTRICAL ENGINEERING, ELECTRONICS AND COMMUNICATION ENGINEERING, COMPUTER ENGINEERING, AND INFORMATION TECHNOLOGY. THIS BOOK • DISCUSSES APPLICATIONS OF BLOCKCHAIN TECHNOLOGY IN DIVERSE SECTORS SUCH AS INDUSTRY 4.0, EDUCATION, FINANCE, AND SUPPLY CHAIN. • PROVIDES THEORETICAL CONCEPTS, APPLICATIONS, AND RESEARCH ADVANCEMENTS IN THE FIELD OF BLOCKCHAIN. • COVERS INDUSTRY 4.0 DIGITIZATION PLATFORM AND BLOCKCHAIN FOR DATA MANAGEMENT IN INDUSTRY 4.0 IN A COMPREHENSIVE MANNER. • EMPHASIZES ANALYSIS AND DESIGN OF CONSENSUS ALGORITHMS, FAULT TOLERANCE, AND STRATEGY TO CHOOSE THE CORRECT CONSENSUS ALGORITHM. • INTRODUCES SECURITY ISSUES IN THE INDUSTRIAL INTERNET OF THINGS, INTERNET OF THINGS, BLOCKCHAIN INTEGRATION, AND BLOCKCHAIN-BASED APPLICATIONS. THE TEXT PRESENTS IN-DEPTH COVERAGE OF THEORETICAL CONCEPTS, APPLICATIONS AND ADVANCES IN THE FIELD OF BLOCKCHAIN TECHNOLOGY. THIS BOOK WILL BE AN IDEAL REFERENCE FOR GRADUATE STUDENTS AND ACADEMIC RESEARCHERS IN DIVERSE ENGINEERING FIELDS SUCH AS ELECTRICAL, ELECTRONICS AND COMMUNICATION, COMPUTER, AND INFORMATION TECHNOLOGY.

BLOCKCHAIN FOR SMART CITIES - SARAVANAN KRISHNAN
2021-08-25

FOCUSING ON DIFFERENT TOOLS, PLATFORMS, AND TECHNIQUES, BLOCKCHAIN AND THE SMART CITY: INFRASTRUCTURE AND IMPLEMENTATION USES CASE STUDIES FROM AROUND THE WORLD TO EXAMINE BLOCKCHAIN DEPLOYMENT IN DIVERSE SMART CITY APPLICATIONS. THE BOOK BEGINS BY EXAMINING THE FUNDAMENTAL THEORIES AND CONCEPTS OF BLOCKCHAIN. IT LOOKS AT KEY SMART CITIES' DOMAINS SUCH AS BANKING, INSURANCE, HEALTHCARE, AND SUPPLY CHAIN MANAGEMENT. IT EXAMINES USING CASE STUDIES FOR EACH DOMAIN, THE BOOK LOOKS AT PAYMENT MECHANISMS, FOG/EDGE COMPUTING, GREEN COMPUTING, AND ALGORITHMS AND CONSENSUS MECHANISMS FOR SMART CITIES IMPLEMENTATION. IT LOOKS AT TOOLS SUCH AS HYPERLEDGER, ETHERIUM, CORDA, IBM BLOCKCHAIN, HYDRACHAIN, AS WELL AS POLICIES AND REGULATORY STANDARDS, APPLICATIONS, SOLUTIONS, AND METHODOLOGIES. WHILE EXPLORING FUTURE BLOCKCHAIN ECOSYSTEMS FOR SMART AND SUSTAINABLE CITY LIFE, THE BOOK CONCLUDES WITH THE RESEARCH CHALLENGES AND OPPORTUNITIES ACADEMICS, RESEARCHERS, AND COMPANIES IN IMPLEMENTING BLOCKCHAIN APPLICATIONS. INDEPENDENTLY ORGANIZED CHAPTERS FOR GREATER READABILITY, ADAPTABILITY, AND FLEXIBILITY EXAMINES NUMEROUS ISSUES FROM MULTIPLE PERSPECTIVES AND ACADEMIC AND INDUSTRY EXPERTS EXPLORES BOTH ADVANCES AND CHALLENGES OF CUTTING-EDGE TECHNOLOGIES COVERAGE OF SECURITY, TRUST, AND PRIVACY ISSUES IN SMART CITIES

QUANTUM COMPUTING AND BLOCKCHAIN IN BUSINESS -
ARUNKUMAR KRISHNAKUMAR 2020-03-31

FINTECH VETERAN AND VENTURE CAPITALIST, ARUNKUMAR KRISHNAKUMAR, CUTS THROUGH THE HYPE TO BRING US A

FIRST-HAND LOOK INTO HOW QUANTUM COMPUTING AND BLOCKCHAIN TOGETHER COULD REDEFINE INDUSTRIES AND LIFE AS WE KNOW IT. KEY FEATURES TAKE A PRACTICAL PERSPECTIVE ON QUANTUM COMPUTING AND BLOCKCHAIN TECHNOLOGIES AND THEIR IMPACTS ON KEY INDUSTRIES GAIN INSIGHTS FROM EXPERTS WHO ARE APPLYING QUANTUM COMPUTING OR BLOCKCHAIN IN THEIR FIELDS SEE WHERE QUANTUM COMPUTING AND BLOCKCHAIN ARE HEADING, AND WHERE THE TWO MAY INTERSECT BOOK DESCRIPTION ARE QUANTUM COMPUTING AND BLOCKCHAIN ON A COLLISION COURSE OR WILL THEY BE THE MOST IMPORTANT TRENDS OF THIS DECADE TO DISRUPT INDUSTRIES AND LIFE AS WE KNOW IT? FINTECH VETERAN AND VENTURE CAPITALIST ARUNKUMAR KRISHNAKUMAR CUTS THROUGH THE HYPE TO BRING US A FIRST-HAND LOOK INTO HOW QUANTUM COMPUTING AND BLOCKCHAIN TOGETHER ARE REDEFINING INDUSTRIES, INCLUDING FINTECH, HEALTHCARE, AND RESEARCH. THROUGH A SERIES OF INTERVIEWS WITH DOMAIN EXPERTS, HE ALSO EXPLORES THESE TECHNOLOGIES' POTENTIAL TO TRANSFORM NATIONAL AND GLOBAL GOVERNANCE AND POLICIES - FROM HOW ELECTIONS ARE CONDUCTED AND HOW SMART CITIES CAN BE DESIGNED AND OPTIMIZED FOR THE ENVIRONMENT, TO WHAT CYBERWARFARE ENABLED BY QUANTUM CRYPTOGRAPHY MIGHT LOOK LIKE. IN DOING SO, HE ALSO HIGHLIGHTS CHALLENGES THAT THESE TECHNOLOGIES HAVE TO OVERCOME TO GO MAINSTREAM. QUANTUM COMPUTING AND BLOCKCHAIN IN BUSINESS EXPLORES THE POTENTIAL CHANGES THAT QUANTUM COMPUTING AND BLOCKCHAIN MIGHT BRING ABOUT IN THE REAL WORLD. AFTER EXPANDING ON THE KEY CONCEPTS AND TECHNIQUES, SUCH AS APPLIED CRYPTOGRAPHY, QUBITS, AND DIGITAL ANNEALING, THAT UNDERPIN QUANTUM COMPUTING AND BLOCKCHAIN, THE BOOK DIVES INTO HOW MAJOR INDUSTRIES WILL BE IMPACTED BY THESE TECHNOLOGIES. LASTLY, WE CONSIDER HOW THE TWO TECHNOLOGIES MAY COME TOGETHER IN A COMPLIMENTARY WAY. WHAT YOU WILL LEARN UNDERSTAND THE FUNDAMENTALS OF QUANTUM COMPUTING AND BLOCKCHAIN GAIN INSIGHTS FROM THE EXPERTS WHO ARE USING QUANTUM COMPUTING AND BLOCKCHAIN DISCOVER THE IMPLICATIONS OF THESE TECHNOLOGIES FOR GOVERNANCE AND HEALTHCARE LEARN HOW BLOCKCHAIN AND QUANTUM COMPUTING MAY INFLUENCE LOGISTICS AND FINANCE UNDERSTAND HOW THESE TECHNOLOGIES ARE IMPACTING RESEARCH IN AREAS SUCH AS CHEMISTRY FIND OUT HOW THESE TECHNOLOGIES MAY HELP THE ENVIRONMENT AND INFLUENCE SMART CITY DEVELOPMENT UNDERSTAND THE IMPLICATIONS FOR CYBERSECURITY AS THESE TECHNOLOGIES EVOLVE WHO THIS BOOK IS FOR THIS BOOK IS FOR TECH ENTHUSIASTS - DEVELOPERS, ARCHITECTS, MANAGERS, CONSULTANTS, AND VENTURE CAPITALISTS - WORKING IN OR INTERESTED IN THE LATEST DEVELOPMENTS IN QUANTUM COMPUTING AND BLOCKCHAIN. WHILE THE BOOK INTRODUCES KEY IDEAS, TERMS, AND TECHNIQUES USED IN THESE TECHNOLOGIES, THE MAIN GOAL OF THIS BOOK IS TO PRIME READERS FOR THE PRACTICAL ADOPTION AND APPLICATIONS OF THESE TECHNOLOGIES ACROSS VARIES INDUSTRIES AND WALKS OF LIFE.

NEW DIRECTIONS IN EUROPEAN PRIVATE LAW - TAKIS TRIDIMAS 2021-05-20

THIS BOOK BRINGS TOGETHER LEADING SCHOLARS AND PRACTITIONERS, TO EXPLORE CONTEMPORARY CHALLENGES IN THE FIELD OF EUROPEAN PRIVATE LAW, IDENTIFY PROBLEMS, AND PROPOSE SOLUTIONS. THE FIRST SECTION REASSESSES THE EXISTING THEORETICAL FRAMEWORK AND TRADITIONAL LEGAL SCHOLARSHIP ON WHICH EUROPEAN PRIVATE LAW HAS DEVELOPED. THE BOOK THEN GOES ON TO EXAMINE IMPORTANT AND PRACTICAL TOPICS OF GEO-BLOCKING AND STANDARDISATION IN THE CONTEXT OF RECENT LEGISLATIVE DEVELOPMENTS AND THE CJEU CASE LAW. THE THIRD SECTION ASSESSES THE CHALLENGING SUBJECT OF ADEQUATE REGULATION OF ONLINE PLATFORMS AND SHARING ECONOMY THAT HAS BEEN CONTINUOUSLY ADDRESSED IN THE RECENT YEARS BY EUROPEAN PRIVATE LAW. A FOURTH SECTION DEALS WITH THE REGULATORY CHALLENGES BROUGHT BY AN INCREASING DEVELOPMENT OF ARTIFICIAL INTELLIGENCE AND BLOCKCHAIN TECHNOLOGY AND THE QUESTION OF LIABILITY. THE FINAL SECTION EXAMINES RECENT EUROPEAN LEGISLATIVE DEVELOPMENTS IN THE AREA OF DIGITAL GOODS AND DIGITAL CONTENT AND IDENTIFIES POTENTIAL FUTURE POLICY DIRECTIONS IN WHICH THE EUROPEAN PRIVATE LAW MAY DEVELOP IN THE FUTURE.

OECD Digital Education Outlook 2021 Pushing the Frontiers with Artificial Intelligence, Blockchain and Robots - OECD 2021-06-08

HOW MIGHT DIGITAL TECHNOLOGY AND NOTABLY SMART TECHNOLOGIES BASED ON ARTIFICIAL INTELLIGENCE (AI), LEARNING ANALYTICS, ROBOTICS, AND OTHERS TRANSFORM EDUCATION? THIS BOOK EXPLORES SUCH QUESTION. IT FOCUSES ON HOW SMART TECHNOLOGIES CURRENTLY CHANGE EDUCATION IN THE CLASSROOM AND THE MANAGEMENT OF EDUCATIONAL ORGANISATIONS AND SYSTEMS.

Digital Health Transformation with Blockchain and Artificial Intelligence - CHINMAY CHAKRABORTY 2022-05-11

THE BOOK DIGITAL HEALTH TRANSFORMATION WITH BLOCKCHAIN AND ARTIFICIAL INTELLIGENCE COVERS THE GLOBAL DIGITAL REVOLUTION IN THE FIELD OF HEALTHCARE SECTOR. THE POPULATION HAS BEEN OVERCOMING THE COVID-19 PERIOD; THEREFORE, WE NEED TO ESTABLISH INTELLIGENT DIGITAL HEALTHCARE SYSTEMS USING VARIOUS EMERGING TECHNOLOGIES LIKE BLOCKCHAIN AND ARTIFICIAL INTELLIGENCE. INTERNET OF MEDICAL THINGS IS THE TECHNOLOGICAL REVOLUTION THAT HAS INCLUDED THE ELEMENT OF "SMARTNESS" IN THE HEALTHCARE INDUSTRY AND ALSO IDENTIFYING, MONITORING, AND INFORMING SERVICE PROVIDERS ABOUT THE PATIENT'S CLINICAL INFORMATION WITH FASTER DELIVERY OF CARE SERVICES. THIS BOOK HIGHLIGHTS THE IMPORTANT ISSUES I.E. (A) HOW INTERNET OF THINGS CAN BE INTEGRATED WITH THE HEALTHCARE ECOSYSTEM FOR BETTER DIAGNOSTICS, MONITORING, AND TREATMENT OF THE PATIENTS, (B) ARTIFICIAL INTELLIGENCE FOR PREDICTIVE AND PREVENTIVE HEALTHCARE SYSTEMS, (C) BLOCKCHAIN FOR MANAGING HEALTHCARE DATA TO PROVIDE TRANSPARENCY, SECURITY, AND DISTRIBUTED STORAGE, AND (D) EFFECTIVE REMOTE DIAGNOSTICS AND TELEMEDICINE APPROACH FOR DEVELOPING SMART CARE. THE BOOK ENCOMPASSES CHAPTERS BELONG TO THE BLOCKCHAIN, ARTIFICIAL INTELLIGENCE, AND BIG HEALTH DATA

TECHNOLOGIES. FEATURES: BLOCKCHAIN AND INTERNET OF THINGS IN HEALTHCARE SYSTEMS SECURE DIGITAL HEALTH DATA MANAGEMENT IN INTERNET OF THINGS PUBLIC PERCEPTION TOWARDS AI-DRIVEN HEALTHCARE SECURITY, PRIVACY ISSUES AND CHALLENGES IN ADOPTION OF SMART DIGITAL HEALTHCARE BIG DATA ANALYTICS AND INTERNET OF THINGS IN THE PANDEMIC ERA CLINICAL CHALLENGES FOR DIGITAL HEALTH REVOLUTION ARTIFICIAL INTELLIGENCE FOR ADVANCED HEALTHCARE FUTURE TRAJECTORY OF HEALTHCARE WITH ARTIFICIAL INTELLIGENCE 9 PARKINSON DISEASE PRE-DIAGNOSIS USING SMART TECHNOLOGIES EMERGING TECHNOLOGIES TO COMBAT THE COVID-19 MACHINE LEARNING AND INTERNET OF THINGS IN DIGITAL HEALTH TRANSFORMATION EFFECTIVE REMOTE HEALTHCARE AND TELEMEDICINE APPROACHES LEGAL IMPLICATION OF BLOCKCHAIN TECHNOLOGY IN PUBLIC HEALTH THIS BOOK ON "DIGITAL HEALTH TRANSFORMATION WITH BLOCKCHAIN AND ARTIFICIAL INTELLIGENCE" AIMS AT PROMOTING AND FACILITATING EXCHANGES OF RESEARCH KNOWLEDGE AND FINDINGS ACROSS DIFFERENT DISCIPLINES ON THE DESIGN AND INVESTIGATION OF SECURED HEALTHCARE DATA ANALYTICS. IT CAN ALSO BE USED AS A TEXTBOOK FOR A MASTERS COURSE IN SECURITY AND BIOMEDICAL ENGINEERING. THIS BOOK WILL ALSO PRESENT NEW METHODS FOR THE MEDICAL DATA ANALYTICS, BLOCKCHAIN TECHNOLOGY, AND DIAGNOSIS OF DIFFERENT DISEASES TO IMPROVE THE QUALITY OF LIFE IN GENERAL, AND BETTER INTEGRATION INTO DIGITAL HEALTHCARE.

Digitalization as a Driver for Smart Economy in the Post-COVID-19 Era - REIS, LEONILDE 2022-02-11

THE COVID-19 PANDEMIC HAS ACCELERATED THE IMPLEMENTATION OF DIGITAL TRANSFORMATION STRATEGIES, AND THERE HAS BEEN AN EXPONENTIAL INCREASE IN THE DEMAND FOR INTELLIGENT AND RELIABLE COMMUNICATIONS SOLUTIONS. THE PANDEMIC BRINGS HUGE CHALLENGES FOR ALL ECONOMIC AGENTS, AS RESILIENCE AND THE CAPACITY TO ADAPT TO NEW RISKS AND HINDRANCES ARE NOW FUNDAMENTAL ELEMENTS IN OUR SOCIETIES. IN THIS CONTEXT, IT IS ESSENTIAL THAT DIGITALIZATION BRINGS OPPORTUNITIES TO TRANSITION TO A SMARTER ECONOMY BASED ON INNOVATION, SUSTAINABILITY, AND WELL-BEING. DIGITALIZATION AS A DRIVER FOR SMART ECONOMY IN THE POST-COVID-19 ERA DISCUSSES DIGITALIZATION, INFORMATION AND COMMUNICATION TECHNOLOGIES, MARKETING, ENTREPRENEURSHIP, AND INNOVATION IN AN ORGANIZATIONAL CONTEXT TO OPTIMIZE THE PRACTICES ESTABLISHED IN THE MOST DIVERSE DOMAINS OF KNOWLEDGE, SPECIFICALLY ATTENDING TO THE RELATION BETWEEN DIGITALIZATION AND SUSTAINABILITY IN A POST-PANDEMIC ERA. IT IS IDEAL FOR ACADEMICIANS, INSTRUCTORS, RESEARCHERS, INDUSTRY PROFESSIONALS, BUSINESS MANAGERS, PRIVATE INSTITUTIONS, AND STUDENTS AS IT COVERS A RANGE OF KEY TOPICS SUCH AS SUSTAINABILITY AND SMART ECONOMY.

Intelligent Systems and Sustainable Computing - V. SIVAKUMAR REDDY 2022-05-28

THE BOOK IS A COLLECTION OF BEST SELECTED RESEARCH PAPERS PRESENTED AT THE INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS AND SUSTAINABLE COMPUTING (ICISSC 2021), HELD IN SCHOOL OF ENGINEERING, MALLA

REDDY UNIVERSITY, HYDERABAD, INDIA, DURING 24-25 SEPTEMBER 2021. THE BOOK COVERS RECENT RESEARCH IN INTELLIGENT SYSTEMS, INTELLIGENT BUSINESS SYSTEMS, SOFT COMPUTING, SWARM INTELLIGENCE, ARTIFICIAL INTELLIGENCE AND NEURAL NETWORKS, DATA MINING & DATA WAREHOUSING, CLOUD COMPUTING, DISTRIBUTED COMPUTING, BIG DATA ANALYTICS, INTERNET OF THINGS (IoT), MACHINE LEARNING, SPEECH PROCESSING, SUSTAINABLE HIGH-PERFORMANCE SYSTEMS, VLSI AND EMBEDDED SYSTEMS, IMAGE AND VIDEO PROCESSING, AND SIGNAL PROCESSING AND COMMUNICATION.

THE EFFECT OF INFORMATION TECHNOLOGY ON BUSINESS AND MARKETING INTELLIGENCE SYSTEMS - MUHAMMAD ALSHURIDEH 2023-03-12

BUSINESS SHAPES HAVE BEEN CHANGED THESE DAYS. CHANGE IS THE MAIN DOMINANT FACT THAT CHANGE THE WAY OF BUSINESS OPERATIONS RUNNING. TOPICS SUCH AS INNOVATION, ENTREPRENEURSHIP, LEADERSHIP, BLOCKCHAIN, MOBILE BUSINESS, SOCIAL MEDIA, E-LEARNING, MACHINE LEARNING, AND ARTIFICIAL INTELLIGENCE BECOME ESSENTIAL TO BE CONSIDERED BY EACH INSTITUTION WITHIN THE TECHNOLOGY ERA. THIS BOOK TRIES TO GIVE ADDITIONAL VIEWS ON HOW TECHNOLOGIES INFLUENCE BUSINESS AND MARKETING OPERATIONS FOR INSURING SUCCESSFUL INSTITUTIONS SURVIVAL. THE WORLD NEEDS TO DEVELOP MANAGEMENT AND INTELLIGENT BUSINESS SCENARIO PLANS THAT SUITE A VARIETY OF CRISIS APPEARS THESE DAYS. ALSO, BUSINESS AND MARKETING INTELLIGENCE SHOULD MEET GOVERNMENT PRIORITIES IN INDIVIDUAL COUNTRIES AND MINIMISE THE RISK OF BUSINESS DISRUPTIONS. BUSINESS INTELLIGENCE - THE STRATEGIES AND TECHNOLOGY COMPANIES THAT USE IT TO COLLECT, INTERPRET, AND BENEFIT FROM DATA - PLAY A KEY ROLE IN INFORMING COMPANY STRATEGIES, FUNCTIONS, AND EFFICIENCY. HOWEVER, BEING ESSENTIAL TO THE SUCCESS, MANY COMPANIES ARE NOT TAKING ADVANTAGE OF TOOLS THAT CAN IMPROVE THEIR BUSINESS INTELLIGENCE EFFORTS. INFORMATION TECHNOLOGY BECOME A CORE STONE IN BUSINESS. FOR EXAMPLE, THE COMBINATION OF MACHINE LEARNING AND BUSINESS INTELLIGENCE CAN HAVE A FAR-REACHING IMPACT ON THE INSIGHTS THE COMPANY GETS FROM ITS AVAILABLE DATA TO IMPROVE PRODUCTIVITY, QUALITY, CUSTOMER SERVICE AND MORE. THIS BOOK IS IMPORTANT BECAUSE IT INTRODUCES A LARGE NUMBER OF CHAPTERS THAT DISCUSSED THE IMPLICATIONS OF DIFFERENT INFORMATION TECHNOLOGY APPLICATIONS IN BUSINESS. THIS BOOK CONTAINS A SET OF VOLUMES WHICH ARE: 1- SOCIAL MARKETING AND SOCIAL MEDIA APPLICATIONS, 2- SOCIAL MARKETING AND SOCIAL MEDIA APPLICATIONS, 3- BUSINESS AND DATA ANALYTICS, 4- CORPORATE GOVERNANCE AND PERFORMANCE, 5- INNOVATION, ENTREPRENEURSHIP AND LEADERSHIP, 6- KNOWLEDGE MANAGEMENT, 7- MACHINE LEARNING, IOT, BIG DATA, BLOCK CHAIN AND AI, 8- MARKETING MIX, SERVICES AND BRANDING.

BLOCKCHAIN TECHNOLOGIES - AJIT SINGH 2019-06-28

THIS BOOK IS MOSTLY INTENDED FOR STUDENTS. IF YOU CAN USE A PROGRAMMING LANGUAGE, THIS BOOK WILL TEACH YOU HOW CRYPTOGRAPHIC CURRENCIES WORK, HOW TO USE THEM, AND HOW TO DEVELOP SOFTWARE THAT WORKS WITH THEM. THE FIRST FEW CHAPTERS ARE ALSO SUITABLE AS AN IN-

DEPTH INTRODUCTION TO BLOCKCHAIN AND BITCOIN FOR NONCODERS—THOSE TRYING TO UNDERSTAND THE INNER WORKINGS OF BITCOIN AND CRYPTOCURRENCIES. IF YOU CAN USE A PROGRAMMING LANGUAGE, THIS BOOK WILL TEACH YOU HOW SMART CONTRACT BLOCKCHAINS WORK, HOW TO USE THEM, AND HOW TO DEVELOP SMART CONTRACTS AND DECENTRALIZED APPLICATIONS WITH THEM. I ALSO COVERED AN IN-DEPTH INTRODUCTION TO ETHEREUM FOR NONCODERS.

SMART CITIES FOR TECHNOLOGICAL AND SOCIAL INNOVATION - HYUNG MIN KIM 2020-09-21

SMART CITIES FOR TECHNOLOGICAL AND SOCIAL INNOVATION ESTABLISHES A KEY THEORETICAL FRAMEWORK TO UNDERSTAND THE IMPLEMENTATION AND DEVELOPMENT OF SMART CITIES AS INNOVATION DRIVERS, IN TERMS OF LASTING IMPACTS ON PRODUCTIVITY, LIVABILITY AND SUSTAINABILITY OF SPECIFIC INITIATIVES. THIS FRAMEWORK IS BASED ON EMPIRICAL ANALYSIS OF 12 CASE STUDIES, INCLUDING PIONEER PROJECTS FROM EUROPE, ASIA, THE MIDDLE EAST, AND MORE. IT EXPLORES HOW SUCCESSFUL SMART CITIES INITIATIVES NURTURE BOTH TECHNOLOGICAL AND SOCIAL INNOVATION USING A COMBINATION OF REGULATORY GOVERNANCE AND PRIVATE AGENCY. TYPOLOGIES OF SMART CITY-MAKING APPROACHES ARE EXPLORED IN DEPTH. INTEGRATIVE ANALYSIS IDENTIFIES KEY SUCCESS FACTORS IN ESTABLISHING INNOVATION RELATING TO THE EFFECTIVENESS OF SOCIAL SYSTEMS, INSTITUTIONAL THICKNESS, GOVERNANCE, THE ROLE OF HUMAN CAPITAL, AND STREAMLINING FUNDING OF URBAN DEVELOPMENT PROJECTS. CASES FROM A RANGE OF GEOGRAPHIES, SCALES, SOCIAL AND ECONOMIC CONTEXTS EXPLORES HOW SMART CITIES CAN PROMOTE TECHNOLOGICAL AND SOCIAL INNOVATION IN TERMS OF DIRECT IMPACTS ON LIVABILITY, PRODUCTIVITY AND SUSTAINABILITY ESTABLISHES AN INTEGRATIVE FRAMEWORK BASED ON EMPIRICAL EVIDENCE TO DEVELOP MORE INNOVATIVE SMART CITY INITIATIVES INVESTIGATES THE ROLE OF GOVERNMENTS IN COORDINATING, FOSTERING AND GUIDING INNOVATIONS RESULTING FROM SMART CITY DEVELOPMENTS INTERROGATES THE POLICIES AND GOVERNANCE STRUCTURES WHICH HAVE BEEN EFFECTIVE IN SUPPORTING THE DEVELOPMENT AND DEPLOYMENT OF SMART CITIES

THE AUDITOR'S GUIDE TO BLOCKCHAIN TECHNOLOGY - SHAUN AGHILI 2022-11-03

THE 21ST CENTURY HAS BEEN HOST TO A NUMBER OF INFORMATION SYSTEMS TECHNOLOGIES IN THE AREAS OF SCIENCE, AUTOMOTIVE, AVIATION AND SUPPLY CHAIN, AMONG OTHERS. BUT PERHAPS ONE OF ITS MOST DISRUPTIVE IS BLOCKCHAIN TECHNOLOGY WHOSE ORIGIN DATES TO ONLY 2008, WHEN AN INDIVIDUAL (OR PERHAPS A GROUP OF INDIVIDUALS) USING THE PSEUDONYM SATOSHI NAKAMOTO PUBLISHED A WHITE PAPER ENTITLED BITCOIN: A PEER-TO-PEER ELECTRONIC CASH SYSTEM IN AN ATTEMPT TO ADDRESS THE THREAT OF "DOUBLE-SPENDING" IN DIGITAL CURRENCY. TODAY, MANY TOP-NOTCH GLOBAL ORGANIZATIONS ARE ALREADY USING OR PLANNING TO USE BLOCKCHAIN TECHNOLOGY AS A SECURE, ROBUST AND CUTTING-EDGE TECHNOLOGY TO BETTER SERVE CUSTOMERS. THE LIST INCLUDES SUCH WELL-KNOWN CORPORATE ENTITIES AS JP MORGAN, ROYAL BANK OF CANADA, BANK OF AMERICA, IBM AND WALMART. THE TAMPER-PROOF ATTRIBUTES OF

BLOCKCHAIN, LEADING TO IMMUTABLE SETS OF TRANSACTION RECORDS, REPRESENT A HIGHER QUALITY OF EVIDENCE FOR INTERNAL AND EXTERNAL AUDITORS. BLOCKCHAIN TECHNOLOGY WILL IMPACT THE PERFORMANCE OF THE AUDIT ENGAGEMENT DUE TO ITS ATTRIBUTES, AS THE TECHNOLOGY CAN SEAMLESSLY COMPLEMENT TRADITIONAL AUDITING TECHNIQUES. FURTHERMORE, VARIOUS FRAUD SCHEMES RELATED TO FINANCIAL REPORTING, SUCH AS THE RECORDING OF FICTITIOUS REVENUES, COULD BE AVOIDED OR AT LEAST GREATLY MITIGATED. FRAUDS RELATED TO MISSING, DUPLICATED AND IDENTICAL INVOICES CAN ALSO BE GREATLY CURTAILED. AS A RESULT, THE ADVENT OF BLOCKCHAIN WILL ENABLE AUDITORS TO REDUCE SUBSTANTIVE TESTING AS INHERENT AND CONTROL AUDIT RISKS WILL BE REDUCED THEREBY GREATLY IMPROVING AN AUDIT'S DETECTION RISK. AS SUCH, THE CONTINUING USE AND POPULARITY OF BLOCKCHAIN WILL MEAN THAT AUDITORS AND INFORMATION SYSTEMS SECURITY PROFESSIONALS WILL NEED TO DEEPEN THEIR KNOWLEDGE OF THIS DISRUPTIVE TECHNOLOGY. IF YOU ARE LOOKING FOR A COMPREHENSIVE STUDY AND REFERENCE SOURCE ON BLOCKCHAIN TECHNOLOGY, LOOK NO FURTHER THAN THE AUDITOR'S GUIDE TO BLOCKCHAIN TECHNOLOGY: ARCHITECTURE, USE CASES, SECURITY AND ASSURANCE. THIS TITLE IS A MUST READ FOR ALL SECURITY AND ASSURANCE PROFESSIONALS AND STUDENTS LOOKING TO BECOME MORE PROFICIENT AT AUDITING THIS NEW AND DISRUPTIVE TECHNOLOGY.

INDUSTRY USE CASES ON BLOCKCHAIN TECHNOLOGY APPLICATIONS IN IoT AND THE FINANCIAL SECTOR - MAHMOOD, ZAIGHAM 2021-03-18

BLOCKCHAIN TECHNOLOGY PRESENTS NUMEROUS ADVANTAGES THAT INCLUDE INCREASED TRANSPARENCY, REDUCED TRANSACTION COSTS, FASTER TRANSACTION SETTLEMENT, AUTOMATION OF INFORMATION, INCREASED TRACEABILITY, IMPROVED CUSTOMER EXPERIENCE, IMPROVED DIGITAL IDENTITY, BETTER CYBER SECURITY, AND USER-CONTROLLED NETWORKS. THESE POTENTIAL APPLICATIONS ARE WIDESPREAD AND DIVERSE INCLUDING FUNDS TRANSFER, SMART CONTRACTS, E-VOTING, EFFICIENT SUPPLY CHAIN, AND MORE IN NEARLY EVERY SECTOR OF SOCIETY INCLUDING FINANCE, HEALTHCARE, LAW, TRADE, REAL ESTATE, AND OTHER IMPORTANT AREAS. HOWEVER, THERE ARE CHALLENGES AND LIMITATIONS THAT EXIST SUCH AS HIGH ENERGY CONSUMPTION, LIMITED SCALABILITY, COMPLEXITY, SECURITY, NETWORK SIZE, LACK OF REGULATIONS, AND OTHER CRITICAL ISSUES. NEVERTHELESS, BLOCKCHAIN IS AN ATTRACTIVE TECHNOLOGY AND HAS MUCH TO OFFER TO THE MODERN-DAY INDUSTRY. INDUSTRY USE CASES ON BLOCKCHAIN TECHNOLOGY APPLICATIONS IN IoT AND THE FINANCIAL SECTOR INVESTIGATES BLOCKCHAIN TECHNOLOGY'S ADOPTION AND EFFECTIVENESS IN MULTIPLE INDUSTRIES AND FOR THE INTERNET OF THINGS (IoT)-BASED APPLICATIONS, PRESENTS USE CASES FROM INDUSTRIAL AND FINANCIAL SECTORS AS WELL AS FROM OTHER TRANSACTION-BASED SERVICES, AND FILLS A GAP IN THIS RESPECT BY EXTENDING THE EXISTING BODY OF KNOWLEDGE IN THE SUGGESTED FIELD. WHILE HIGHLIGHTING TOPICS SUCH AS CYBERSECURITY, USE CASES, AND MODELS FOR BLOCKCHAIN IMPLEMENTATION, THIS BOOK IS IDEAL FOR BUSINESS

MANAGERS, FINANCIAL ACCOUNTANTS, PRACTITIONERS, RESEARCHERS, ACADEMICIANS, AND STUDENTS INTERESTED IN BLOCKCHAIN TECHNOLOGY'S ROLE AND IMPLEMENTATION IN IoT AND THE FINANCIAL SECTOR.

SUSTAINABLE AND ADVANCED APPLICATIONS OF BLOCKCHAIN IN SMART COMPUTATIONAL TECHNOLOGIES - KESHAV KAUSHIK 2022-09-29

THIS BOOK CONCENTRATES ON THE SUSTAINABLE APPLICATIONS OF THE BLOCKCHAIN TECHNOLOGY ACROSS MULTIPLE LATEST COMPUTATIONAL KNOWLEDGE DOMAINS. IT COVERS THE FEASIBLE AND PRACTICAL COLLABORATION OF BLOCKCHAIN TECHNOLOGY WITH LATEST SUSTAINABLE SMART COMPUTING TECHNOLOGIES. IT WILL TARGET THE VAST APPLICATIONS OF BLOCKCHAIN IN THE FIELD OF INTERNET OF THINGS, ARTIFICIAL INTELLIGENCE, AND CYBERSECURITY. THE BOOK EFFECTIVELY PROVIDES SATISFACTORY INFORMATION ABOUT THE ESSENTIALS OF BLOCKCHAIN AND IoT TO A TYPICAL PURSUER ALONGSIDE ENCOURAGING AN EXAMINATION RESEARCHER TO DISTINGUISH SOME MODERN ISSUE REGIONS THAT RISE UP OUT OF THE INTERMINGLING OF THE TWO ADVANCEMENTS. BESIDES, THE CREATORS TALK ABOUT PERTINENT APPLICATION ZONES, FOR EXAMPLE, SMART CITY, E-SOCIAL INSURANCE, AND SO FORTH ALONG THE COURSE OF THE BOOK. • COVERS THE RECENT ADVANCEMENTS IN BLOCKCHAIN TECHNOLOGY • DISCUSSES THE APPLICATIONS OF BLOCKCHAIN TECHNOLOGY FOR REAL LIFE PROBLEMS • ADDRESS THE CHALLENGES RELATED TO IMPLEMENTATION OF BLOCKCHAIN TECHNOLOGY • INCLUDES CASE STUDIES • INCLUDES THE LATEST TRENDS AND AREA OF RESEARCH IN BLOCKCHAIN TECHNOLOGY THIS BOOK IS PRIMARILY AIMED AT GRADUATES, RESEARCHERS AND PROFESSIONS WORKING IN THE FIELD OF BLOCKCHAIN TECHNOLOGY.

THE BUSINESS YEAR: DUBAI 2020 - PETER HOWSON 2020—THE TURN OF DECADE, THE INTENDED YEAR OF EXPO, AND THE EVE OF THE UAE'S 50TH ANNIVERSARY—IS INDEED AN OPPORTUNE TIME. EVEN AS SHOCKWAVES FROM A TRULY UNEXPECTED DISRUPTION, KNOWN COLLOQUIALLY AS CORONAVIRUS AND OFFICIALLY COVID-19, RESONATE AROUND THE WORLD, DUBAI'S DIVERSIFICATION AS WELL AS ITS ORIENTATION TOWARD INNOVATION WILL UNDOUBTEDLY HELP THE EMIRATE LEAD THE WAY THROUGH A CHALLENGING TIME. THE BUSINESS YEAR'S COUNTRY-SPECIFIC PUBLICATIONS, SOMETIMES FEATURING OVER 150 FACE-TO-FACE INTERVIEWS, ARE AMONG THE MOST COMPREHENSIVE ANNUAL ECONOMIC PUBLICATIONS AVAILABLE INTERNATIONALLY. THIS 244-PAGE PUBLICATION COVERS GREEN ECONOMY, BANKING, CAPITAL MARKETS, INSURANCE, ENERGY, INDUSTRY, TELECOMS AND IT, TRANSPORT AND LOGISTICS, MARITIME, REAL ESTATE, CONSTRUCTION, HEALTH, EDUCATION, AND TOURISM.

ARTIFICIAL INTELLIGENCE - MARCO ANTONIO ACEVES-FERNANDEZ 2018-06-27

ARTIFICIAL INTELLIGENCE (AI) IS TAKING AN INCREASINGLY IMPORTANT ROLE IN OUR SOCIETY. FROM CARS, SMARTPHONES, AIRPLANES, CONSUMER APPLICATIONS, AND EVEN MEDICAL EQUIPMENT, THE IMPACT OF AI IS CHANGING THE WORLD AROUND US. THE ABILITY OF MACHINES TO DEMONSTRATE ADVANCED COGNITIVE SKILLS IN TAKING

DECISIONS, LEARN AND PERCEIVE THE ENVIRONMENT, PREDICT CERTAIN BEHAVIOR, AND PROCESS WRITTEN OR SPOKEN LANGUAGES, AMONG OTHER SKILLS, MAKES THIS DISCIPLINE OF PARAMOUNT IMPORTANCE IN TODAY'S WORLD. ALTHOUGH AI IS CHANGING THE WORLD FOR THE BETTER IN MANY APPLICATIONS, IT ALSO COMES WITH ITS CHALLENGES. THIS BOOK ENCOMPASSES MANY APPLICATIONS AS WELL AS NEW TECHNIQUES, CHALLENGES, AND OPPORTUNITIES IN THIS FASCINATING AREA.

TRENDS AND APPLICATIONS IN INFORMATION SYSTEMS AND TECHNOLOGIES - LVARO ROCHA 2021-03-28

THIS BOOK IS COMPOSED OF A SELECTION OF ARTICLES FROM THE 2021 WORLD CONFERENCE ON INFORMATION SYSTEMS AND TECHNOLOGIES (WORLD CIST'21), HELD ONLINE BETWEEN 30 AND 31 OF MARCH AND 1 AND 2 OF APRIL 2021 AT HANGRA DE HEROISMO, TERCEIRA ISLAND, AZORES, PORTUGAL. WORLD CIST IS A GLOBAL FORUM FOR RESEARCHERS AND PRACTITIONERS TO PRESENT AND DISCUSS RECENT RESULTS AND INNOVATIONS, CURRENT TRENDS, PROFESSIONAL EXPERIENCES AND CHALLENGES OF MODERN INFORMATION SYSTEMS AND TECHNOLOGIES RESEARCH, TOGETHER WITH THEIR TECHNOLOGICAL DEVELOPMENT AND APPLICATIONS. THE MAIN TOPICS COVERED ARE: A) INFORMATION AND KNOWLEDGE MANAGEMENT; B) ORGANIZATIONAL MODELS AND INFORMATION SYSTEMS; C) SOFTWARE AND SYSTEMS MODELING; D) SOFTWARE SYSTEMS, ARCHITECTURES, APPLICATIONS AND TOOLS; E) MULTIMEDIA SYSTEMS AND APPLICATIONS; F) COMPUTER NETWORKS, MOBILITY AND PERVASIVE SYSTEMS; G) INTELLIGENT AND DECISION SUPPORT SYSTEMS; H) BIG DATA ANALYTICS AND APPLICATIONS; I) HUMAN-COMPUTER INTERACTION; J) ETHICS, COMPUTERS & SECURITY; K) HEALTH INFORMATICS; L) INFORMATION TECHNOLOGIES IN EDUCATION; M) INFORMATION TECHNOLOGIES IN RADIOCOMMUNICATIONS; N) TECHNOLOGIES FOR BIOMEDICAL APPLICATIONS.

SMART SENSOR NETWORKS USING AI FOR INDUSTRY 4.0 - SOUMYA RANJAN NAYAK 2021-10-10

SMART SENSOR NETWORKS (WSNs) USING AI HAVE LEFT A MARK ON THE LIVES OF ALL BY AIDING IN VARIOUS SECTORS, SUCH AS MANUFACTURING, EDUCATION, HEALTHCARE, AND MONITORING OF THE ENVIRONMENT AND INDUSTRIES. THIS BOOK COVERS RECENT AI APPLICATIONS AND EXPLORES ASPECTS OF MODERN SENSOR TECHNOLOGIES AND THE SYSTEMS NEEDED TO OPERATE THEM. THE BOOK REVIEWS THE FUNDAMENTAL CONCEPTS OF GATHERING, PROCESSING, AND ANALYZING DIFFERENT AI-BASED MODELS AND METHODS. IT COVERS RECENT WSN TECHNIQUES FOR THE PURPOSE OF EFFECTIVE NETWORK MANAGEMENT ON PAR WITH THE STANDARDS LAID OUT BY INTERNATIONAL ORGANIZATIONS IN RELATED FIELDS AND FOCUSES ON BOTH CORE CONCEPTS ALONG WITH MAJOR APPLICATIONAL AREAS. THE BOOK WILL BE USED BY TECHNICAL DEVELOPERS, ACADEMICIANS, DATA SCIENCES, INDUSTRIAL PROFESSIONALS, RESEARCHERS, AND STUDENTS INTERESTED IN THE LATEST INNOVATIONS ON PROBLEM-ORIENTED PROCESSING TECHNIQUES IN SENSOR NETWORKS USING IoT AND EVOLUTIONARY COMPUTER APPLICATIONS FOR INDUSTRY 4.0.

PUBLIC SECTOR REFORM IN THE MIDDLE EAST AND NORTH

AFRICA - ROBERT P. BESCHEL 2019-03-26

CRITICAL EXAMINATIONS OF EFFORTS TO MAKE GOVERNMENTS MORE EFFICIENT AND RESPONSIVE POLITICAL UPEAVALS AND CIVIL WARS IN THE MIDDLE EAST AND NORTH AFRICA (MENA) HAVE OBSCURED EFFORTS BY MANY COUNTRIES IN THE REGION TO REFORM THEIR PUBLIC SECTORS. UNWIELDY, UNRESPONSIVE—AND OFTEN CORRUPT—GOVERNMENTS ACROSS THE REGION HAVE FACED NEW PRESSURE, NOT LEAST FROM THEIR PUBLICS, TO IMPROVE THE QUALITY OF PUBLIC SERVICES AND OPEN UP THEIR DECISIONMAKING PROCESSES. SOME OF THESE REFORM EFFORTS WERE UNDER WAY AND AT LEAST PARTLY SUCCESSFUL BEFORE THE OUTBREAK OF THE ARAB SPRING IN 2010. REFORM EFFORTS HAVE CONTINUED IN SOME COUNTRIES DESPITE THE MANY UPEAVALS SINCE THEN. THIS BOOK OFFERS A COMPREHENSIVE ASSESSMENT OF A WIDE RANGE OF REFORM EFFORTS IN NINE COUNTRIES. IN SIX CASES THE REFORMS TARGETED CORE SYSTEMS OF GOVERNMENT: JORDAN'S RESTRUCTURING OF CABINET OPERATIONS, THE PALESTINIAN AUTHORITY'S REVISION OF PUBLIC FINANCIAL MANAGEMENT, MOROCCO'S VOLUNTARY RETIREMENT PROGRAM, HUMAN RESOURCE MANAGEMENT REFORMS IN LEBANON, AN E-GOVERNANCE INITIATIVE IN DUBAI, AND ATTEMPTS TO IMPROVE TRANSPARENCY IN TUNISIA. FIVE OTHER REFORM EFFORTS TACKLED LINE DEPARTMENTS OF GOVERNMENT, AMONG THEM EGYPT'S ATTEMPT TO IMPROVE TAX COLLECTION AND SAUDI ARABIA'S WORK TO IMPROVE SERVICE DELIVERY AND BILL COLLECTION. SOME OF THESE REFORM EFFORTS WERE MORE SUCCESSFUL THAN OTHERS. THIS BOOK EXAMINES BOTH THE GOOD AND THE BAD, LOOKING NOT ONLY AT WHAT EACH REFORM ACCOMPLISHED BUT AT HOW IT WAS IMPLEMENTED. THE RESULT IS A SERIES OF USEFUL LESSONS ON HOW PUBLIC SECTOR REFORMS CAN BE ADOPTED IN MENA.

RETHINKING COMPETITIVENESS IN THE REAL ESTATE INDUSTRY - MAHMOUD ALBURAI 2021-01-02

CLASSIC APPROACHES TO COMPETITIVENESS HAVE TRADITIONALLY BEEN RELYING ON MERE ECONOMISTIC THINKING. THEY IGNORE BOTH THE RESPONSIBILITY TO INCORPORATE SUSTAINABILITY AND THE RICH POTENTIAL OF A BROADER INCLUSION OF STAKEHOLDERS. THIS RESEARCH-BASED ANALYSIS SUGGESTS AND DETAILS A MORE PROMISING WAY FORWARD. LINKING THE ANALYSIS TO DUBAI ALLOWS FOR A CONCRETE EXAMPLE AND POINT OF ORIENTATION. TRULY ACKNOWLEDGING STAKEHOLDER'S DEMANDS CAN HELP THE REAL ESTATE INDUSTRY TO REACH UNPRECEDENTED LEVELS OF COMPETITIVENESS AND DIFFERENTIATION.

CONTEMPORARY RESEARCH IN ACCOUNTING AND FINANCE - ABDELGHANI ECHHABI 2022-05-28

THE BOOK COMPILES A COMPREHENSIVE SET OF CASE OF STUDIES IN BUSINESS AND ACCOUNTING FROM THE MENA REGION. THESE CASE STUDIES CONSIST OF PRACTICAL RESEARCH STUDIES WITH STRONG THEORETICAL FOUNDATIONS. HENCE, THE BOOK IS A GUIDE TO THE INDUSTRIES IN VARIOUS SECTORS REGARDING THE BEST PRACTICES FOR EFFICIENT BUSINESS AND ACCOUNTING MANAGEMENT. IN ADDITION, THE BOOK WILL SERVE AS AN IMPORTANT TEACHING REFERENCE FOR BUSINESS AND ACCOUNTING COURSES IN THE MENA REGION.

ARCHITECTING ENTERPRISE BLOCKCHAIN SOLUTIONS - JOSEPH

HOLBROOK 2020-01-20

DEMISTIFY ARCHITECTING COMPLEX BLOCKCHAIN APPLICATIONS IN ENTERPRISE ENVIRONMENTS ARCHITECTING ENTERPRISE BLOCKCHAIN SOLUTIONS HELPS ENGINEERS AND IT ADMINISTRATORS UNDERSTAND HOW TO ARCHITECT COMPLEX BLOCKCHAIN APPLICATIONS IN ENTERPRISE ENVIRONMENTS. THE BOOK TAKES A DEEP DIVE INTO THE INTRICACIES OF SUPPORTING AND SECURING BLOCKCHAIN TECHNOLOGY, CREATING AND IMPLEMENTING DECENTRALIZED APPLICATIONS, AND INCORPORATING BLOCKCHAIN INTO AN EXISTING ENTERPRISE IT INFRASTRUCTURE. BLOCKCHAIN IS A TECHNOLOGY THAT IS EXPERIENCING MASSIVE GROWTH IN MANY FACETS OF BUSINESS AND THE ENTERPRISE. MOST BOOKS AROUND BLOCKCHAIN PRIMARILY DEAL WITH HOW BLOCKCHAINS ARE RELATED TO CRYPTOCURRENCY OR FOCUS ON PURE BLOCKCHAIN DEVELOPMENT. THIS BOOK TEACHES WHAT BLOCKCHAIN TECHNOLOGY IS AND OFFERS INSIGHTS INTO ITS CURRENT AND FUTURE USES IN HIGH PERFORMANCE NETWORKS AND COMPLEX ECOSYSTEMS. • PROVIDES A PRACTICAL, HANDS-ON APPROACH • DEMONSTRATES THE POWER AND FLEXIBILITY OF ENTERPRISE BLOCKCHAINS SUCH AS HYPERLEDGER AND R3 CORDA • EXPLORES HOW BLOCKCHAIN CAN BE USED TO SOLVE COMPLEX IT SUPPORT AND INFRASTRUCTURE PROBLEMS • OFFERS NUMEROUS HANDS-ON EXAMPLES AND DIAGRAMS GET READY TO LEARN HOW TO HARNESS THE POWER AND FLEXIBILITY OF ENTERPRISE BLOCKCHAINS!

INFORMATION SYSTEMS - MARINOS THEMISTOCLEOUS
2020-11-20

THIS BOOK CONSTITUTES THE PROCEEDINGS PAPERS FROM THE 17TH EUROPEAN, MEDITERRANEAN, AND MIDDLE EASTERN CONFERENCE ON INFORMATION SYSTEMS, EMCIS 2020, HELD IN DUBAI, UAE, IN NOVEMBER 2020. DUE TO THE COVID-19 PANDEMIC THE CONFERENCE TOOK PLACE VIRTUALLY. EMCIS FOCUSES ON APPROACHES THAT FACILITATE THE IDENTIFICATION OF INNOVATIVE RESEARCH OF SIGNIFICANT RELEVANCE TO THE INFORMATION SYSTEMS DISCIPLINE FOLLOWING SOUND RESEARCH METHODOLOGIES THAT LEAD TO RESULTS OF MEASURABLE IMPACT. THE 56 PAPERS PRESENTED IN THIS VOLUME WERE CAREFULLY REVIEWED AND SELECTED FROM A TOTAL OF 161 SUBMISSIONS TO THE MAIN CONFERENCE. THEY ARE GROUPED IN SECTION ON BIG DATA AND ANALYTICS, BLOCKCHAIN TECHNOLOGY AND APPLICATIONS, DIGITAL GOVERNMENT, DIGITAL SERVICES AND SOCIAL MEDIA, EMERGING COMPUTING TECHNOLOGIES AND TRENDS FOR BUSINESS PROCESS MANAGEMENT, ENTERPRISE SYSTEMS, HEALTHCARE INFORMATION SYSTEMS, INFORMATION SYSTEMS SECURITY AND INFORMATION PRIVACY PROTECTION, INNOVATIVE RESEARCH PROJECTS, MANAGEMENT AND ORGANISATIONAL ISSUES IN INFORMATION SYSTEMS.

SMART TECHNOLOGIES AND INNOVATION FOR A SUSTAINABLE FUTURE - AHMED AL-MASRI 2019-01-08

THE BOOK PRESENTS HIGH-QUALITY RESEARCH PAPERS PRESENTED AT THE 1ST AUE INTERNATIONAL RESEARCH CONFERENCE, AUEIRC 2017, ORGANIZED BY THE AMERICAN UNIVERSITY IN THE EMIRATES, HELD ON NOVEMBER 15TH-16TH, 2017 IN DUBAI. THE BOOK IS BROADLY DIVIDED INTO THREE SECTIONS: MEDIA AND SMART CITIES,

CREATIVE TECHNOLOGIES AND INNOVATION, AND SECURITY RISKS AND STRATEGIC CHALLENGES. THE AREAS COVERED UNDER THESE SECTIONS ARE CYBER-PSYCHOLOGY AND DIGITAL FORENSICS, CLOUD RAN ARCHITECTURE, NETWORKING FUNCTIONS VIRTUALIZATION, E-GOVERNANCE AND IOT SEMANTIC INTEROPERABILITY, ERP SECURITY, WEB-BASED APPLICATION AND PROBLEM-SOLVING SKILLS, SMART TECHNOLOGIES AND ADVERTISING, SMART TECHNOLOGIES FOR SMART CITIES, SMART ADAPTABLE NAVIGATION SYSTEMS, TURBO CODES FOR SECURITY KEY GENERATION, TECHNOLOGY ADVANCED STUDENT LEARNING AND MOBILE DEVICES, BIG DATA SECURITY AND PRIVACY, MULTI-CHANNEL BUFFER ENABLED TECHNIQUE, PHYSIOLOGICAL SIGNAL ACQUISITION IN ELECTRO-OCULOGRAPHY, BLOCKCHAIN AND DONATION-BASED CROWDFUNDING, SMART CITY AND FRAMEWORK DEVELOPMENT APPROACH, NEWS CHANNEL AND MEDIA EDUCATION, UAE FOREIGN POLICY, CHINA-GCC RELATIONS, DIPLOMACY IN THE INTERNET AGE, INTELLIGENT CYBER-SECURITY STRATEGIES, INDUSTRY SECURITIES AND STRATEGIC CHALLENGES, HYBRID ALLIANCES AND CORPORATE SECURITY, SECURITY AND PRIVACY IN SMART CITIES, HUMAN COMPUTER INTERACTION AND E-LEARNING SOLUTION, COMPLEXITY OF SMART CITIES GOVERNANCE. THE PAPERS INCLUDED IN THIS BOOK PRESENT INSIGHTFUL INFORMATION ON THE MOST RECENT AND RELEVANT RESEARCH, THEORIES AND PRACTICES IN THE FIELD, WHICH AIM FOR A SUSTAINABLE FUTURE.

TECHNOLOGY APPLICATION IN TOURISM IN ASIA - AZIZUL HASSAN 2022-03-02

THIS BOOK VERY SPECIFICALLY FOCUSES ON TECHNOLOGY APPLICATION IN TOURISM IN ASIA. THE BOOK CONTAINS TWENTY-SEVEN CHAPTERS IN FOUR SECTIONS (I.E., THEORIES, INNOVATIONS, PRACTICES, AND FUTURE RESEARCH DIRECTIONS), BASED ON THE INTRIGUING QUALITIES AND IMPORTANCE OF TECHNOLOGY APPLICATIONS IN THE ASIAN TOURISM BUSINESS. THIS BOOK, A BLEND OF COMPREHENSIVE AND EXTENSIVE EFFORTS BY THE CONTRIBUTORS AND EDITOR, IS DESIGNED TO EXTENSIVELY COVER TECHNOLOGY APPLICATIONS IN TOURISM IN ASIA, INCLUDING DISTINCT TOPICS SUCH AS MOBILE COMPUTING, NEW PRODUCT DESIGNS, INNOVATIVE TECHNOLOGY USAGES IN TOURISM PROMOTION, TECHNOLOGY-DRIVEN SUSTAINABLE TOURISM DEVELOPMENT, LOCATION-BASED APPS, MOBILITY, ACCESSIBILITY, THE POST CRISIS SITUATION OF COVID-19, ETC. THIS BOOK IS A SIGNIFICANT CONTRIBUTION TOWARDS THE VERY LIMITED KNOWLEDGE OF TECHNOLOGY APPLICATIONS IN TOURISM, WITH SELECTED EXAMPLES OF ASIAN COUNTRIES. THE IMPORTANCE OF TECHNOLOGY IN ASIAN TOURISM IS RAPIDLY INCREASING, AND HAS LED TO A RISE IN LUXURY, ALLOWING CITIZENS TO ENJOY LEISURE TRAVEL OVER BOTH LONG AND SHORT DISTANCES. THE RISE OF LOW-COST AIRLINES AND THE REGION'S GROWING, AFFLUENT MIDDLE CLASS HAVE CHANGED THE TOURISM ENVIRONMENT DRAMATICALLY. MORE TOURISTS ARE BOOKING THEIR HOLIDAYS ONLINE AS A RESULT OF TECHNOLOGICAL ADVANCEMENTS. ONLINE TRAVEL IS THE MOST IMPORTANT AND WELL-ESTABLISHED ASPECT OF ASIA'S INTERNET ECONOMY. CONSIDERING THE ONGOING TREND OF TECHNOLOGY APPLICATIONS IN THE TOURISM INDUSTRY IN ASIA, MORE RESEARCH ATTEMPTS LIKE THIS BOOK NEED TO BE MADE AIMING TOWARDS EXPLORING DIVERSE ASPECTS. AS

TOURISM IS AN EXPANDING AREA, THIS BOOK CAN SERVE AS A READING COMPANION FOR TOURISM STUDENTS, POLICY PLANNERS AND INDUSTRY PROFESSIONALS. THIS BOOK IS EXPECTED TO BE APPRECIATED BY EXPATRIATE RESEARCHERS AND RESEARCHERS HAVING A KEEN INTEREST IN THE ASIAN TOURISM INDUSTRY.

THE COLONY OF INNOVATIVE STARTUPS - BACHIR BRAHIM 2020-03-21

THIS BOOK IS THE RESULT OF FIFTEEN (15) YEARS OF LEARNING, RESEARCH, TRAVEL JOURNEY, AND SUCCESSFUL CASE STUDIES ANALYSIS ABOUT INNOVATION AND ENTREPRENEURSHIP IN FOUR CONTINENTS. A JOURNEY THAT REFLECTS THE PURSUIT OF VIEWS, BELIEFS, AND OPINIONS AROUND THE DEGREE OF STRENGTH OR WEAKNESS, SUCCESS, OR FAILURE OF DIFFERENT ENTREPRENEURSHIP INITIATIVES WORLDWIDE. FOLLOWING THEIR PATHS IN THE CREATION OF A POSITIVE, AND SUITABLE ENTREPRENEURSHIP ENVIRONMENT FOR THE DEVELOPMENT AND GROWTH OF INNOVATIVE STARTUPS. THE MAIN PURPOSE OF THIS BOOK IS TO PROVIDE POLICYMAKERS, CORPORATE LEADERS, YOUNG ENTREPRENEURS, AND ACADEMIC RESEARCHERS WITH PRACTICAL TOOLS AND GUIDANCE THAT MAY ENLIGHTEN THEIR VISIONS. A GUIDE THAT WILL CONTRIBUTE POSITIVELY TO BUILDING A SUITABLE ENVIRONMENT FOR THE DEVELOPMENT OF ENTREPRENEURSHIP INITIATIVES, WILL ABLE THEM TO IMPLEMENT A SUSTAINABLE STRATEGY FOR CULTIVATING AND GROWING INNOVATIVE STARTUPS. THE READER OF THIS BOOK MAY NOTICE A SLIGHTLY DIFFERENT APPROACH USED IN DESCRIBING THE ENTREPRENEURSHIP AND INNOVATIONS ECOSYSTEMS AS THE COLONY OF INNOVATIVE STARTUPS. THE MAIN IDEA BEHIND THAT IS THE AWARENESS ABOUT THE CURRENT SITUATION OF DIFFERENT BUSINESS CLIMATES, AND THE NECESSITY FOR SUCH A CONTRIBUTION TO SOLVING DIFFERENT PROBLEMS THAT HINDERING THE GROWTH OF INNOVATIVE STARTUPS, AND THE SUSTAINABILITY OF DIFFERENT ENTREPRENEURSHIP INITIATIVES WORLDWIDE. I HOPE TO ACHIEVE A MAXIMUM OF SUCCESS AND GROWTH THAT WILL HAVE A POSITIVE IMPACT ON ECONOMIC DEVELOPMENT. THE PROBLEM: ENTREPRENEURSHIP INITIATIVES ARE POPPING-UP DISPERSED AND DISTURBED THERE ARE THOUSANDS OF ENTREPRENEURSHIP INITIATIVES THAT POP-UP LIKE MUSHROOMS EVERY DAY. YOU CAN CALL THEM EXCELLENT POLLS, INNOVATIVE CLUSTERS, INCUBATORS, HUBS, START-UP LABS, SCIENCE-PARKS, TECH-PARKS, ETC. INITIATIVES WITH THE ULTIMATE GOAL TO CREATE THE NEXT X SILICON VALLEY. AN IMITATION EFFORT TO REPRODUCE, WITHOUT A SINGLE UNDERSTANDING OF THE CONTEXT, THE HISTORY, THE RESOURCES, AND THE VISION THAT LED TO THE SAN DIEGO SILICON VALLEY, HOME OF MULTI-BILLION TECH-GIANTS. MANY CONCRETE EXAMPLES OF THESE INITIATIVES, WHICH ARE STILL SUBJECT TO CRITIQUES AND SOMETIMES TO CONTROVERSY, ABOUT THEIR OUTCOMES AND REAL CONTRIBUTIONS TO ECONOMIC GROWTH. CASES FROM THE MUNICH SMART CITY IN GERMANY; THE CREATIVE CLUSTER IN AUSTRALIA; KISTA, AND IDEON IN SWEDEN; TECHNOLOGY TRIANGLE OF WATERLOO IN CANADA; THE MASDAR OF THE UAE AMONG MANY OTHERS. ALL THESE INITIATIVES HAVE DIFFERENT STRUCTURES AND THEIR WAYS OF CONTRIBUTING TO THE COUNTRY'S GDP ARE ALSO DIFFERENT. HOWEVER, ALL OF THEM HAVE SIMILAR GOALS, WHICH IS THE CREATION OF A

SUCCESSFUL BUSINESS ENVIRONMENT FOR STARTUPS. AN ENVIRONMENT WHERE SEVERAL STARTUPS TOGETHER WITH OTHER STAKEHOLDERS, PLAY A VITAL ROLE IN THE DEVELOPMENT OF THEIR NATIONAL ECONOMY. MANY OF THESE INITIATIVES ARE MAINLY CONSEQUENCES OF THE PRINCIPLE OF KNOWLEDGE-BASED ECONOMIES. OTHER ARE THE RESULTS OF A COMBINATION OF INTERACTIONS BETWEEN DIFFERENT STAKEHOLDERS INSIDE THE ECOSYSTEM, FOLLOWING THE TRIPLE HELIX MODEL (ETZKOWITZ & LEYDESDORFF, 1995). BECAUSE THEY ARE GEOGRAPHICALLY DISPERSED, IT IS ALMOST IMPOSSIBLE TO MEASURE THE VALUE ADDED BY EVERY INITIATIVE IN A SINGLE COUNTRY. THE FOCUS IS ALWAYS ON LIMITED TARGETS AT A NATIONAL LEVEL. THESE INITIATIVES ARE ALSO CHARACTERIZED BY LIMITED RESOURCES AND ACTORS, TO COVER LARGE SCALE TARGETS AND HAVE A SIGNIFICANT CONTRIBUTION TO THE COUNTRY'S ECONOMIC DEVELOPMENT. THE SOLUTION: A COLONY THAT CONSOLIDATES AND REASSEMBLES EFFORTS THIS BOOK IS NOT INTRODUCING THE SECRET FORMULA TO REBUILD YOUR OWN SILICON VALLEY. IT PROPOSES A LOGICAL SOLUTION TO ENHANCE AND BUILD A SUITABLE, AND POSITIVE CLIMATE FOR STARTUPS. TO CONSOLIDATE MULTIPLE ENTREPRENEURSHIP INITIATIVES IN ONE PROJECT, WHICH WILL COLLECT MAXIMUM RESOURCES AND INTEGRATE A CONSIDERABLE NUMBER OF PLAYERS. THE MAINSTREAM INSPIRATION OF THIS BOOK COMES FROM THE PHENOMENAL OF THE SELF-ORGANIZED COLONY OF ANTS, SUCH A BIOLOGICAL ECOSYSTEM OF SOCIAL INSECTS THAT RUN AND SUSTAIN ITS GROWTH PERFECTLY. A BUSINESS MODEL THAT INSPIRES FROM THE COLLECTIVE BEHAVIOR OF ANTS, WHICH GENERATED THE SWARM INTELLIGENCE. A SMART SWARM REFLECTED BY TASKS AND LABOR ORGANIZATIONS FOR EVERY MEMBER WITHIN THE COLONY. THIS BOOK WILL TRY TO EXPORT THE ANTS' COLLECTIVE BEHAVIOR "BUSINESS MODEL" INTO THE WORLD OF ENTREPRENEURSHIP AND INNOVATION. A MODEL REFLECTED BY A NEW CONCEPT OF BUILDING A POSITIVE ENVIRONMENT FOR STARTUPS TO GROW AND FLOURISH, WHICH I CALL IN THIS BOOK "A COLONY OF INNOVATIVE STARTUPS." IT INVOLVES MANY STAKEHOLDERS THAT INTERACT TOGETHER WITHIN A PARTICULAR GEOGRAPHIC SPACE, WHERE THEY CAN COOPERATIVELY ALLOCATE CONSIDERABLE RESOURCES AND CONTRIBUTE TO ACHIEVING THE COLONY OBJECTIVES OF GROWTH AND SUSTAINABILITY.

SECURITY IN SMART CITIES: MODELS, APPLICATIONS, AND CHALLENGES - ABOUL ELLA HASSANEN 2018-11-04

THIS BOOK OFFERS AN ESSENTIAL GUIDE TO IoT SECURITY, SMART CITIES, IoT APPLICATIONS, ETC. IN ADDITION, IT PRESENTS A STRUCTURED INTRODUCTION TO THE SUBJECT OF DESTINATION MARKETING AND AN EXHAUSTIVE REVIEW ON THE CHALLENGES OF INFORMATION SECURITY IN SMART AND INTELLIGENT APPLICATIONS, ESPECIALLY FOR IoT AND BIG DATA CONTEXTS. HIGHLIGHTING THE LATEST RESEARCH ON SECURITY IN SMART CITIES, IT ADDRESSES ESSENTIAL MODELS, APPLICATIONS, AND CHALLENGES. WRITTEN IN PLAIN AND STRAIGHTFORWARD LANGUAGE, THE BOOK OFFERS A SELF-CONTAINED RESOURCE FOR READERS WITH NO PRIOR BACKGROUND IN THE FIELD. PRIMARILY INTENDED FOR STUDENTS IN INFORMATION SECURITY AND IoT APPLICATIONS (INCLUDING SMART CITIES SYSTEMS AND DATA

HETEROGENEITY), IT WILL ALSO GREATLY BENEFIT ACADEMIC RESEARCHERS, IT PROFESSIONALS, POLICYMAKERS AND LEGISLATORS. IT IS WELL SUITED AS A REFERENCE BOOK FOR BOTH UNDERGRADUATE AND GRADUATE COURSES ON INFORMATION SECURITY APPROACHES, THE INTERNET OF THINGS, AND REAL-WORLD INTELLIGENT APPLICATIONS. *BLOCKCHAIN REVOLUTION* - DON TAPSCOTT 2016-05-10 BLOCKCHAIN TECHNOLOGY IS POWERING OUR FUTURE. AS THE TECHNOLOGY BEHIND CRYPTOCURRENCIES LIKE BITCOIN AND FACEBOOK'S LIBRA, OPEN SOFTWARE PLATFORMS LIKE ETHEREUM, AND DISRUPTIVE COMPANIES LIKE RIPPLE, IT'S TOO IMPORTANT TO IGNORE. IN THIS REVELATORY BOOK, DON TAPSCOTT, THE BESTSELLING AUTHOR OF WIKINOMICS, AND HIS SON, BLOCKCHAIN EXPERT ALEX TAPSCOTT, BRING US A BRILLIANTLY RESEARCHED, HIGHLY READABLE, AND ESSENTIAL BOOK ABOUT THE TECHNOLOGY DRIVING THE FUTURE OF THE ECONOMY. BLOCKCHAIN IS THE INGENUOUSLY SIMPLE, REVOLUTIONARY PROTOCOL THAT ALLOWS TRANSACTIONS TO BE SIMULTANEOUSLY ANONYMOUS AND SECURE BY MAINTAINING A TAMPERPROOF PUBLIC LEDGER OF VALUE. THOUGH IT'S BEST KNOWN AS THE TECHNOLOGY THAT DRIVES BITCOIN AND OTHER DIGITAL CURRENCIES, IT ALSO HAS THE POTENTIAL TO GO FAR BEYOND CURRENCY, TO RECORD VIRTUALLY EVERYTHING OF VALUE TO HUMANKIND, FROM BIRTH AND DEATH CERTIFICATES TO INSURANCE CLAIMS, LAND TITLES, AND EVEN VOTES. BLOCKCHAIN IS ALSO ESSENTIAL TO UNDERSTAND IF YOU'RE AN ARTIST WHO WANTS TO MAKE A LIVING OFF YOUR ART, A CONSUMER WHO WANTS TO KNOW WHERE THAT HAMBURGER MEAT REALLY CAME FROM, AN IMMIGRANT WHO'S TIRED OF PAYING BIG FEES TO SEND MONEY HOME TO YOUR LOVED ONES, OR AN ENTREPRENEUR LOOKING FOR A NEW PLATFORM TO BUILD A BUSINESS. AND THOSE EXAMPLES ARE BARELY THE TIP OF THE ICEBERG. AS WITH MAJOR PARADIGM SHIFTS THAT PRECEDED IT, BLOCKCHAIN TECHNOLOGY WILL CREATE WINNERS AND LOSERS. THIS BOOK SHINES A LIGHT ON WHERE IT CAN LEAD US IN THE NEXT DECADE AND BEYOND.

ENTREPRENEURIAL FINANCE IN EMERGING MARKETS - DAREK KLONOWSKI 2020-08-10

THIS BOOK PRESENTS A WIDE RANGE OF TOOLS AND TECHNIQUES USED IN ENTREPRENEURIAL FINANCE IN EMERGING MARKETS. AMONG THEM, VENTURE CAPITAL IS PERHAPS THE BEST KNOWN, UNDERSTOOD, AND RESEARCHED MODE OF ENTREPRENEURIAL FINANCE. HOWEVER, A SIGNIFICANT FOCUS OF THE BOOK IS DEDICATED TO OTHER MODES OF ENTREPRENEURIAL FINANCE SUCH AS 'BOOTSTRAPPING,' ANGEL FINANCING, BANK FINANCING, AND OTHER ALTERNATIVE MEANS OF FINANCING, WHICH COULD INCLUDE GOVERNMENT ASSISTANCE PROGRAMS, BUSINESS INCUBATION, TECHNOLOGY PARKS, OR FAMILY FINANCING. IN ADDITION, THE BOOK HIGHLIGHTS HOW NEW AND INNOVATIVE FINANCIAL TECHNOLOGIES (COMPRISED OF SOFTWARE, BUSINESS PROCESSES, AND OTHER MODERN TECHNOLOGIES), KNOWN UNDER THE TERM OF FINTECH, MAY SUPPORT, ENABLE, AND ENHANCE THE PROVISION OF DIFFERENT MODES OF ENTREPRENEURIAL FINANCE IN EMERGING MARKETS. THE BOOK ALSO DISCUSSES ENTREPRENEURIAL FINANCE IN EMERGING MARKETS IN THE CONTEXT OF WOMEN ENTREPRENEURS. A COMPREHENSIVE ANALYSIS OF ENTREPRENEURIAL FINANCE IN

EMERGING MARKET COUNTRIES, THIS BOOK WILL APPEAL TO ACADEMICS, RESEARCHERS, AND STUDENTS OF ENTREPRENEURIAL FINANCE, VENTURE CAPITAL AND PRIVATE EQUITY, ENTREPRENEURSHIP, AND INTERNATIONAL BUSINESS.

A TEXT BOOK OF ARTIFICIAL INTELLIGENCE FOR CLASS XII - HEMA DHINGRA 2021-08-01

GOYAL BROTHERS PRAKASHAN

BLOCKCHAIN - KAPIL SHARMA 2023-02-28

BLOCKCHAIN: A HYPE OR A HOAX? FILLS A GAP IN THE BOOK MARKET TO PROVIDE MATERIAL THAT IS NOT ONLY TECHNICAL BUT ALSO CATERES TO BUSINESS READERS. THIS BOOK WAS WRITTEN TO KEEP IN MIND VARIOUS STAKEHOLDERS AND THE CURRENT GAP IN BLOCKCHAIN EDUCATION AS WELL AS USE CASE IMPLEMENTATION. THIS BOOK REVIEWS BLOCKCHAIN TECHNOLOGY, DISCUSSES WHY PROOF OF CONCEPT FAILS, OFFERS EXAMPLES OF USE CASES THAT HAVE BEEN SUCCESSFUL AND THAT HAVE FAILED AND ARTICULATES A FRAMEWORK THAT SHOULD BE USED BEFORE DECIDING WHETHER BLOCKCHAIN IS THE RIGHT TECHNOLOGY FOR TRANSFORMATION. IT USES STRATEGIC MODELS AND FRAMEWORKS TO ASSIST ORGANISATIONS TO SEE A FIT SCORE FOR THEIR SPECIFIC USE CASES. THIS BOOK PROVIDES GUIDANCE ON HOW TO CREATE A BLOCKCHAIN STRATEGY AND A BUSINESS CASE TO PITCH FOR THE BUDGET. IT ALSO INCLUDES A CASE STUDY TO APPLY THE KNOWLEDGE ON PRACTICAL USE CASES FOR BLOCKCHAIN AND A TECHNICAL OVERVIEW OF MOST OF THE BLOCKCHAIN USE CASES IN THE MARKET INCLUDING CRYPTO, NON-FUNGIBLE TOKENS, DECENTRALISED FINANCE, AND DECENTRALISED AUTONOMOUS ORGANISATIONS, AS WELL AS FINANCIAL AND NON-FINANCIAL INDUSTRY USE CASES. THIS BOOK ALSO PROVIDES A DETAILED OVERVIEW OF MOST OF THE MAINSTREAM BLOCKCHAIN PRODUCTS CURRENTLY AVAILABLE IN THE MARKET. IT ALSO OFFERS GUIDANCE ON HOW READERS CAN BEST EDUCATE THEMSELVES ON BLOCKCHAIN TECHNOLOGY THAT IS AVAILABLE THROUGH COMMERCIAL AND FREE RESOURCES. IT CONCLUDES WITH A CLEAR DIRECTION ON SELECTING BLOCKCHAIN TO SOLVE REAL-LIFE USE CASES THAT ARE BEST FIT. A FINANCIAL AND NON-FINANCIAL VALUE-ADDING FRAMEWORK IS DISCUSSED THROUGHOUT THIS BOOK TO ASSIST BUSINESS LEADERS, PROGRAMME MANAGERS, PRODUCT MANAGERS AND INFORMATION TECHNOLOGY LEADERS TO MAKE STRATEGIC CHOICES, AND BUSINESS CASES AND DEVELOP STRATEGIES FOR DIGITAL TRANSFORMATION THROUGH THE USE OF BLOCKCHAIN. THE DISTINCTIVE FEATURE OF THIS BOOK IS THE CRITICAL ANALYSIS OF BLOCKCHAIN FROM A TECHNOLOGY AND BUSINESS PERSPECTIVE. THIS IS THE FIRST BOOK TO FOCUS ON BUSINESS, TECHNOLOGY AND BLOCKCHAIN SELECTION FRAMEWORK. THE MOST UNIQUE FEATURE OF THIS BOOK WOULD BE TO APPLY MICHAEL PORTER'S COMPETITIVE ADVANTAGE STRATEGY THEORY ON BLOCKCHAIN USE CASES AND THEIR IMPACT ON COMPANIES. THIS BOOK IS AIMED AT TECHNOLOGY STUDENTS, TECHNOLOGY PROFESSIONALS, BLOCKCHAIN AND FINTECH CONSULTANT AND BUSINESS LEADERS. IT WILL ALSO BE USEFUL FOR READERS WHO ARE BUILDING A BUSINESS CASE TO ADOPT BLOCKCHAIN INTO AN ORGANISATION OR ARE SEEKING TO GROW THEIR KNOWLEDGE OF BLOCKCHAIN AND IMPROVE THEIR FINTECH STRATEGY.

SUSTAINABLE DEVELOPMENT AND SOCIAL

RESPONSIBILITY—VOLUME 1 - MIROSLAV MATEEV
2020-02-13

THE BOOK PRESENTS HIGH-QUALITY RESEARCH PAPERS PRESENTED AT THE 2ND AMERICAN UNIVERSITY IN THE EMIRATES INTERNATIONAL RESEARCH CONFERENCE, AUEIRC'18, ORGANIZED BY THE AMERICAN UNIVERSITY IN THE EMIRATES, DUBAI, HELD ON NOVEMBER 13TH-15TH, 2018. THE BOOK IS BROADLY DIVIDED INTO FOUR SECTIONS: SUSTAINABILITY AND SMART TECHNOLOGY, SUSTAINABILITY AND SOCIAL RESPONSIBILITY, SUSTAINABILITY, HUMAN SECURITY AND LEGISLATION, SUSTAINABILITY AND EDUCATION. THE TOPICS COVERED UNDER THESE SECTIONS ARE SUSTAINABLE SMART TECHNOLOGY SUCH AS DEVELOPING GREEN CURRICULUM FOR INFORMATION TECHNOLOGY, USE ULTRASONIC VELOCITY TO PREDICT QUALITY OF WHEAT, IMPROVE SECURITY FEATURES FOR VISA SYSTEM, FACTORS AFFECTING THE COST OF PRODUCTION OF ELECTRICITY AND DESALINATION PLANTS, IMPACT OF SMART TRAFFIC SENSING IN SMART CITIES, SMART HEALTHCARE SYSTEM, SIMULATION OF GREY WOLF OPTIMIZATION ALGORITHM IN PAINTING DIGITAL FORENSICS. THE TOPICS COVERED FOR SUSTAINABILITY AND CREATIVE INDUSTRIES SUCH AS SUSTAINABLE CONCRETE PRODUCTION, MULTIMEDIA APPLICATIONS IN DIGITAL TRANSFORMATION ART, INTEGRATING BIOMIMICRY PRINCIPLES

IN SUSTAINABLE ARCHITECTURE. SUSTAINABILITY, HUMAN SECURITY AND LEGISLATION COVERED TOPICS OF URBAN PERFORMANCE AND SUSTAINABLE ENVIRONMENT, ECO-CERTIFICATION AS RESPONSE ON CLIMATE CHANGE, THE CRIMINAL OFFENCE OF TAX EVASION IN LAW: CASE STUDY, SKILLS ENGINEERING IN SUSTAINABLE COUNTER DEFENSE AGAINST CYBER EXTREMISM, THE INTERNATIONAL LAW AND CHALLENGES OF TRANS-BOUNDARY WATER RESOURCES GOVERNANCE, THE LEGAL STATUS OF NUCLEAR ENERGY: CASE STUDY, SUSTAINABLE ENERGY DEVELOPMENT AND NUCLEAR ENERGY LEGISLATION IN UAE, CORRUPTION SPECIFIC SAFETY CHALLENGE, ENVIRONMENTAL MANAGEMENT AND SUSTAINABILITY, SUSTAINABLE FARMING MODELS FOR DESERT AGRO-ECOSYSTEMS, FUTURE DIRECTIONS OF CLIMATE CHANGE, EARTH AND BUILT ENVIRONMENT TOWARDS NEW CONCEPT OF SUSTAINABILITY, INSTITUTION BUILDING FROM EMOTIONAL INTELLIGENCE PERSPECTIVE, VIRTUE ETHICS, TECHNOLOGY AND SUSTAINABILITY, THE ROLE OF HUMOR IN A SUSTAINABLE EDUCATION, HEIs PRACTICES AND STRATEGIC DECISIONS TOWARD PLANNING FOR SUSTAINABLE EDUCATION PROGRAMS, TQM IN HIGHER EDUCATION FOR SUSTAINABLE FUTURE. THE PAPERS IN THIS BOOK PRESENT HIGH-QUALITY ORIGINAL RESEARCH WORK, FINDINGS AND PRACTICAL DEVELOPMENT EXPERIENCES.