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INFORMATION, COMPUTER AND APPLICATION ENGINEERING
HSIANG-CHUAN LIU 2018-06-12 THIS PROCEEDINGS
VOLUME BRINGS TOGETHER PEER-REVIEWED PAPERS PRESENTED
AT THE INTERNATIONAL CONFERENCE ON INFORMATION
TECHNOLOGY AND COMPUTER APPLICATION ENGINEERING,
HELD 10-11 DECEMBER 2014, IN HONG KONG, CHINA.
SPECIFIC TOPICS UNDER CONSIDERATION INCLUDE
COMPUTATIONAL INTELLIGENCE, COMPUTER SCIENCE AND ITS
APPLICATIONS, INTELLIGENT INFORMATION PROCESSING AND
KNOWLEDGE ENGINEERING, INTELLIGENT NETWORKS AND

INSTRUMENTS, MULTIMEDIA SIGNAL PROCESSING AND
ANALYSIS, INTELLIGENT COMPUTER-AIDED DESIGN SYSTEMS
AND OTHER RELATED TOPICS. THIS BOOK PROVIDES READERS A
STATE-OF-THE-ART SURVEY OF RECENT INNOVATIONS AND
RESEARCH WORLDWIDE IN INFORMATION TECHNOLOGY AND
COMPUTER APPLICATION ENGINEERING, IN SO-DOING
FURTHERING THE DEVELOPMENT AND GROWTH OF THESE
RESEARCH FIELDS, STRENGTHENING INTERNATIONAL ACADEMIC
COOPERATION AND COMMUNICATION, AND PROMOTING THE
FRUITFUL EXCHANGE OF RESEARCH IDEAS. THIS VOLUME WILL
BE OF INTEREST TO PROFESSIONALS AND ACADEMICS ALIKE,

SERVING AS A BROAD OVERVIEW OF THE LATEST ADVANCES IN THE DYNAMIC FIELD OF INFORMATION TECHNOLOGY AND COMPUTER APPLICATION ENGINEERING.

SUSTAINABLE SMART CITIES AND SMART VILLAGES

RESEARCH MILTIADIS D. LYTRAS 2018-10-19 THIS BOOK IS A PRINTED EDITION OF THE SPECIAL ISSUE "SUSTAINABLE SMART CITIES AND SMART VILLAGES RESEARCH" THAT WAS PUBLISHED IN SUSTAINABILITY

CONFERENCE PROCEEDINGS. THE FUTURE OF EDUCATION PIXEL 2015-07-01

IRELAND AND CINEMA BARRY MONAHAN 2015-08-25 THE VOLUME OFFERS A BROAD RANGE OF ACADEMIC APPROACHES TO CONTEMPORARY AND HISTORICAL IRISH FILMMAKING AND REPRESENTATIONS OF NATIONALITY, NATIONAL IDENTITY, AND THEORETICAL QUESTIONS AROUND THE CONSTRUCTION OF IRELAND AND IRISHNESS ON THE SCREEN.

PHOTON-COUNTING IMAGE SENSORS ERIC R. FOSSUM 2018-07-06 THIS BOOK IS A PRINTED EDITION OF THE SPECIAL ISSUE "PHOTON-COUNTING IMAGE SENSORS" THAT WAS PUBLISHED IN SENSORS

CONFERENCE PROCEEDINGS. ICT FOR LANGUAGE LEARNING PIXEL 2014

ICGG 2020 - PROCEEDINGS OF THE 19TH INTERNATIONAL CONFERENCE ON GEOMETRY AND GRAPHICS LIANG-YEE CHENG 2020-12-01 THIS BOOK COVERS VARIOUS ASPECTS OF GEOMETRY AND GRAPHICS, FROM RECENT ACHIEVEMENTS ON

THEORETICAL RESEARCHES TO A WIDE RANGE OF INNOVATIVE APPLICATIONS, AS WELL AS NEW TEACHING METHODOLOGIES AND EXPERIENCES, AND REINTERPRETATIONS AND FINDINGS ABOUT THE MASTERPIECES OF THE PAST. IT IS FROM THE 19TH INTERNATIONAL CONFERENCE ON GEOMETRY AND GRAPHICS, WHICH WAS HELD IN SÃO PAULO, BRAZIL. THE CONFERENCE STARTED IN 1978 AND IS PROMOTED BY THE INTERNATIONAL SOCIETY FOR GEOMETRY AND GRAPHICS, WHICH AIMS TO FOSTER INTERNATIONAL COLLABORATION AND STIMULATE THE SCIENTIFIC RESEARCH AND TEACHING METHODOLOGY IN THE FIELDS OF GEOMETRY AND GRAPHICS. ORGANIZED FIVE TOPICS, WHICH ARE THEORETICAL GRAPHICS AND GEOMETRY; APPLIED GEOMETRY AND GRAPHICS; ENGINEERING COMPUTER GRAPHICS; GRAPHICS EDUCATION AND GEOMETRY; GRAPHICS IN HISTORY, THE BOOK IS INTENDED FOR THE PROFESSIONALS, ACADEMICS AND RESEARCHERS IN ARCHITECTURE, ENGINEERING, INDUSTRIAL DESIGN, MATHEMATICS AND ARTS INVOLVED IN THE MULTIDISCIPLINARY FIELD.

INFORMATICS, NETWORKING AND INTELLIGENT COMPUTING JIAXING ZHANG 2015-05-06 THIS PROCEEDINGS VOLUME CONTAINS SELECTED PAPERS PRESENTED AT THE 2014 INTERNATIONAL CONFERENCE ON INFORMATICS, NETWORKING AND INTELLIGENT COMPUTING, HELD IN SHENZHEN, CHINA. CONTRIBUTIONS COVER THE LATEST DEVELOPMENTS AND ADVANCES IN THE FIELD OF INFORMATICS, NETWORKING AND

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INTELLIGENT COMPUTING.

SITUATED LEARNING IN TRANSLATOR AND INTERPRETER TRAINING MARIA GONZALEZ-DAVIES 2018-10-18

SITUATED LEARNING IS GENERALLY UNDERSTOOD AS A CONTEXT-DEPENDENT APPROACH TO TRANSLATOR AND INTERPRETER TRAINING UNDER WHICH LEARNERS ARE EXPOSED TO REAL-LIFE AND/OR HIGHLY SIMULATED COLLABORATIVE WORK ENVIRONMENTS AND TASKS, BOTH INSIDE AND OUTSIDE THE CLASSROOM. ULTIMATELY, SITUATED LEARNING SEEKS TO ENHANCE LEARNERS' CAPACITY TO THINK AND ACT LIKE PROFESSIONALS. THIS BOOK SETS OUT TO GAUGE THE EXTENT TO WHICH DIFFERENT FACTORS INFLUENCE THE IMPLEMENTATION OF SITUATED LEARNING MODELS IN VARIOUS TEACHING AND LEARNING CONTEXTS. IT PRESENTS AN UNDERSTANDING OF SITUATED LEARNING THAT GOES BEYOND PREVIOUS INTERPRETATIONS OF THIS NOTION, TRADITIONALLY DOMINATED BY THE DISCUSSION OF PEDAGOGICAL PRACTICES IN AUTHENTIC, I.E. REAL-WORLD, OR SEMI-AUTHENTIC PROFESSIONAL SETTINGS. THIS WIDER REMIT OF SITUATED LEARNING ENCOMPASSES PREVIOUSLY UNDERREPRESENTED CONTEXTUAL FACTORS PERTAINING TO TRANSLATION TRADITIONS, HISTORICAL TRENDS, COMMUNITY BELIEFS AND CUSTOMS, SOCIO-ECONOMIC CONSTRAINTS, MARKET CONDITIONS, INSTITUTIONAL PRACTICES, BUDGETARY ISSUES, OR RESOURCE AVAILABILITY. THE PEDAGOGICAL CONSIDERATIONS OF THESE KEY ASPECTS MAKE THIS BOOK

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PARTICULARLY USEFUL FOR BOTH NOVICE AND SEASONED TEACHERS OF TRANSLATION AND INTERPRETING WITH AN INTEREST IN INFORMED PRACTICAL ADVICE ON HOW TO IMPLEMENT THE PRINCIPLES OF SITUATED LEARNING IN COLLABORATIVE TEACHING AND LEARNING ENVIRONMENTS THAT SEEK TO PROMOTE TRANSLATORS' AND/OR INTERPRETERS' PROFESSIONAL COMPETENCE. THIS BOOK WAS ORIGINALLY PUBLISHED AS A SPECIAL ISSUE OF THE INTERPRETER AND TRANSLATOR TRAINER.

INTELLIGENT COMPUTING AND INFORMATION AND COMMUNICATION SUBHASH BHALLA 2018-01-19

THE VOLUME PRESENTS HIGH QUALITY RESEARCH PAPERS PRESENTED AT SECOND INTERNATIONAL CONFERENCE ON INFORMATION AND COMMUNICATION TECHNOLOGY FOR INTELLIGENT SYSTEMS (ICICC 2017). THE CONFERENCE WAS HELD DURING 2-4 AUGUST 2017, PUNE, INDIA AND ORGANIZED COMMUNALLY BY DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, PUNE, INDIA AT MIT COLLEGE OF ENGINEERING, PUNE AND SUPPORTED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (AICTE) AND COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR). THE VOLUME CONTAINS RESEARCH PAPERS FOCUSED ON ICT FOR INTELLIGENT COMPUTATION, COMMUNICATIONS AND AUDIO, AND VIDEO DATA PROCESSING.

SYSTEMS AND COMPUTER TECHNOLOGY YUNFEI CHEN 2015-09-17 THIS VOLUME CONSISTS OF PAPERS

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PRESENTED AT THE 2014 INTERNATIONAL SYMPOSIUM ON SYSTEMS AND COMPUTER TECHNOLOGY (ISSCT 2014, SHANGHAI, CHINA, 15-17 NOVEMBER 2014). THE DEMAND FOR SYSTEMS AND INFORMATICS HAVE BEEN CONSTANTLY INCREASING, AS MORE AND MORE COMPUTER APPLICATIONS HAVE BEEN BUILT. GREAT EFFORTS HAVE BEEN MADE TO IMPROVE THE STATE OF THE A

RADIATION SENSORS WITH 3D ELECTRODES CINZIA DA VI

2019-01-17 WRITTEN BY THE LEADING NAMES IN THIS FIELD, THIS BOOK INTRODUCES THE TECHNICAL PROPERTIES, DESIGN AND FABRICATION DETAILS, MEASUREMENT RESULTS, AND APPLICATIONS OF THREE-DIMENSIONAL SILICON RADIATION SENSORS. SUCH DEVICES ARE CURRENTLY USED IN THE ATLAS EXPERIMENT AT THE EUROPEAN CENTRE FOR PARTICLE PHYSICS (CERN) FOR PARTICLE TRACKING IN HIGH ENERGY PHYSICS. THESE SENSORS ARE THE RADIATION HARDEST DEVICES EVER FABRICATED AND HAVE APPLICATIONS IN GROUND-BREAKING RESEARCH IN NEUTRON DETECTION, MEDICAL DOSIMETRY AND SPACE TECHNOLOGIES AND MORE. CHAPTERS EXPLORE THE ESSENTIAL FEATURES OF SILICON PARTICLE DETECTORS, INTERACTIONS OF RADIATION WITH MATTER, RADIATION DAMAGE EFFECTS, AND MICRO-FABRICATION, IN ADDITION TO A PROVIDING HISTORICAL OVERVIEW OF THE FIELD. THIS BOOK WILL BE A KEY REFERENCE FOR STUDENTS AND RESEARCHERS WORKING WITH SENSOR TECHNOLOGIES. FEATURES: THE FIRST BOOK DEDICATED TO

THIS UNIQUE AND GROWING SUBJECT AREA, WHICH IS ALSO WIDELY APPLICABLE IN HIGH-ENERGY PHYSICS, MEDICAL PHYSICS, SPACE SCIENCE AND BEYOND AUTHORED BY SHERWOOD PARKER, THE INVENTOR OF THE CONCEPT OF 3D DETECTORS; CINZIA DA VI, WHO HAS BROUGHT 3DSI TECHNOLOGY TO APPLICATION; AND GIAN-FRANCO DALLA BETTA, A LEADING FIGURE IN THE DESIGN AND FABRICATION TECHNOLOGY OF THESE DEVICES EXPLAINS TO NON-EXPERTS THE ESSENTIAL FEATURES OF SILICON PARTICLE DETECTORS, INTERACTIONS OF RADIATION WITH MATTER, RADIATION DAMAGE EFFECTS, AND MICRO-FABRICATION

COMPUTER VISION -- ACCV 2014 DANIEL CREMERS
2015-04-16 THE FIVE-VOLUME SET LNCS 9003--9007 CONSTITUTES THE THOROUGHLY REFEREED POST-CONFERENCE PROCEEDINGS OF THE 12TH ASIAN CONFERENCE ON COMPUTER VISION, ACCV 2014, HELD IN SINGAPORE, SINGAPORE, IN NOVEMBER 2014. THE TOTAL OF 227 CONTRIBUTIONS PRESENTED IN THESE VOLUMES WAS CAREFULLY REVIEWED AND SELECTED FROM 814 SUBMISSIONS. THE PAPERS ARE ORGANIZED IN TOPICAL SECTIONS ON RECOGNITION; 3D VISION; LOW-LEVEL VISION AND FEATURES; SEGMENTATION; FACE AND GESTURE, TRACKING; STEREO, PHYSICS, VIDEO AND EVENTS; AND POSTER SESSIONS 1-3.

8TH RILEM INTERNATIONAL SYMPOSIUM ON TESTING AND CHARACTERIZATION OF SUSTAINABLE AND INNOVATIVE BITUMINOUS MATERIALS FRANCESCO CANESTRARI

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2015-09-24 THIS WORK PRESENTS THE RESULTS OF RILEM TC 237-SIB (TESTING AND CHARACTERIZATION OF SUSTAINABLE INNOVATIVE BITUMINOUS MATERIALS AND SYSTEMS). THE PAPERS HAVE BEEN SELECTED FOR PUBLICATION AFTER A RIGOROUS PEER REVIEW PROCESS AND WILL BE AN INVALUABLE SOURCE TO OUTLINE AND CLARIFY THE MAIN DIRECTIONS OF PRESENT AND FUTURE RESEARCH AND STANDARDIZATION FOR BITUMINOUS MATERIALS AND PAVEMENTS. THE FOLLOWING TOPICS ARE COVERED: - CHARACTERIZATION OF BINDER-AGGREGATE INTERACTION - INNOVATIVE TESTING OF BITUMINOUS BINDERS, ADDITIVES AND MODIFIERS - DURABILITY AND AGING OF ASPHALT PAVEMENTS - MIXTURE DESIGN AND COMPACTION ANALYSIS - ENVIRONMENTALLY SUSTAINABLE MATERIALS AND TECHNOLOGIES - ADVANCES IN LABORATORY CHARACTERIZATION OF BITUMINOUS MATERIALS - MODELING OF ROAD MATERIALS AND PAVEMENT PERFORMANCE PREDICTION - FIELD MEASUREMENT AND IN-SITU CHARACTERIZATION - INNOVATIVE MATERIALS FOR REINFORCEMENT AND INTERLAYER SYSTEMS - CRACKING AND DAMAGE CHARACTERIZATION OF ASPHALT PAVEMENTS - RECYCLING AND RE-USE IN ROAD PAVEMENTS THIS IS THE PROCEEDINGS OF THE RILEM SIB2015 SYMPOSIUM (ANCONA, ITALY, OCTOBER 7-9, 2015).

FUTURE MECHATRONICS AND AUTOMATION GUOHUI YANG

2015-02-28 THIS PROCEEDINGS VOLUME CONTAINS

SELECTED PAPERS PRESENTED AT THE 2014 INTERNATIONAL CONFERENCE ON FUTURE MECHATRONICS AND AUTOMATION, HELD IN BEIJING, CHINA. CONTRIBUTIONS COVER THE LATEST DEVELOPMENTS AND ADVANCES IN THE FIELD OF MECHATRONICS AND AUTOMATION.

REMOTE SENSING AND GEOSCIENCES FOR ARCHAEOLOGY

DEODATO TAPETE 2018-04-27 THIS BOOK IS A PRINTED EDITION OF THE SPECIAL ISSUE "REMOTE SENSING AND GEOSCIENCES FOR ARCHAEOLOGY" THAT WAS PUBLISHED IN GEOSCIENCES

COMPUTATIONAL INTELLIGENCE IN DATA MINING - VOLUME 2

LAKHMI C. JAIN 2014-12-10 THE CONTRIBUTED VOLUME AIMS TO EXPLICATE AND ADDRESS THE DIFFICULTIES AND CHALLENGES THAT OF SEAMLESS INTEGRATION OF THE TWO CORE DISCIPLINES OF COMPUTER SCIENCE, I.E., COMPUTATIONAL INTELLIGENCE AND DATA MINING. DATA MINING AIMS AT THE AUTOMATIC DISCOVERY OF UNDERLYING NON-TRIVIAL KNOWLEDGE FROM DATASETS BY APPLYING INTELLIGENT ANALYSIS TECHNIQUES. THE INTEREST IN THIS RESEARCH AREA HAS EXPERIENCED A CONSIDERABLE GROWTH IN THE LAST YEARS DUE TO TWO KEY FACTORS: (A) KNOWLEDGE HIDDEN IN ORGANIZATIONS' DATABASES CAN BE EXPLOITED TO IMPROVE STRATEGIC AND MANAGERIAL DECISION-MAKING; (B) THE LARGE VOLUME OF DATA MANAGED BY ORGANIZATIONS MAKES IT IMPOSSIBLE TO CARRY OUT A MANUAL ANALYSIS. THE BOOK ADDRESSES DIFFERENT METHODS

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AND TECHNIQUES OF INTEGRATION FOR ENHANCING THE OVERALL GOAL OF DATA MINING. THE BOOK HELPS TO DISSEMINATE THE KNOWLEDGE ABOUT SOME INNOVATIVE, ACTIVE RESEARCH DIRECTIONS IN THE FIELD OF DATA MINING, MACHINE AND COMPUTATIONAL INTELLIGENCE, ALONG WITH SOME CURRENT ISSUES AND APPLICATIONS OF RELATED TOPICS.

VIRTUAL, AUGMENTED AND MIXED REALITY. DESIGN AND INTERACTION JESSIE Y. C. CHEN 2020-07-10 THE 2 VOLUME-SET OF LNCS 12190 AND 12191 CONSTITUTES THE REFEREED PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON VIRTUAL, AUGMENTED AND MIXED REALITY, VAMR 2020, WHICH WAS DUE TO BE HELD IN JULY 2020 AS PART OF HCI INTERNATIONAL 2020 IN COPENHAGEN, DENMARK. THE CONFERENCE WAS HELD VIRTUALLY DUE TO THE COVID-19 PANDEMIC. A TOTAL OF 1439 PAPERS AND 238 POSTERS HAVE BEEN ACCEPTED FOR PUBLICATION IN THE HCI 2020 PROCEEDINGS FROM A TOTAL OF 6326 SUBMISSIONS. THE 71 PAPERS INCLUDED IN THESE HCI 2020 PROCEEDINGS WERE ORGANIZED IN TOPICAL SECTIONS AS FOLLOWS: PART I: DESIGN AND USER EXPERIENCE IN VAMR; GESTURES AND HAPTIC INTERACTION IN VAMR; COGNITIVE, PSYCHOLOGICAL AND HEALTH ASPECTS IN VAMR; ROBOTS IN VAMR. PART II: VAMR FOR TRAINING, GUIDANCE AND ASSISTANCE IN INDUSTRY AND BUSINESS; LEARNING, NARRATIVE, STORYTELLING AND CULTURAL APPLICATIONS OF

VAMR; VAMR FOR HEALTH, WELL-BEING AND MEDICINE. **THE COLLABORATIVE ECONOMY AND EU LAW** VASSILIS HATZOPOULOS 2018-02-22 'DISRUPTIVE INNOVATION', 'THE FOURTH INDUSTRIAL REVOLUTION', 'ONE OF THE TEN IDEAS THAT WILL CHANGE THE WORLD'; THE COLLABORATIVE/SHARING ECONOMY IS SHAKING EXISTING NORMS. IT POSES UNPRECEDENTED CHALLENGES IN TERMS OF BOTH MATERIAL POLICIES AND GOVERNANCE IN ALMOST ALL ASPECTS OF EU LAW. THIS BOOK EXPLORES THE APPLICATION – OR INDEED INADEQUACY – OF EXISTING EU RULES IN THE CONTEXT OF THE COLLABORATIVE ECONOMY. IT ANALYSES THE NOVELTIES INTRODUCED BY THE COLLABORATIVE ECONOMY AND DISCUSSES THE SPECIFIC REGULATORY NEEDS AND INSTRUMENTS EMPLOYED THEREIN, MOST NOTABLY SELF-REGULATION. FURTHER, IT AIMS TO ELUCIDATE THE LEGAL STATUS OF THE PARTIES INVOLVED (TRADERS, CONSUMERS, PROSUMERS) IN THESE MULTI-SIDED ECONOMIES, AND THEIR RESPECTIVE ROLES IN THE PROVISION OF SERVICES, ESPECIALLY WITH REGARD TO LIABILITY ISSUES. MOREOVER, IT DELVES INTO A SECTOR-SPECIFIC EXAMINATION OF THE RELEVANT EU RULES, ESPECIALLY ON DATA PROTECTION, COMPETITION, CONSUMER PROTECTION AND LABOUR LAW, AND COMMENTS ON THE UNCERTAINTIES AND LACUNAE PRODUCED THEREIN. IT CONCLUDES WITH THE ACUTE QUESTION OF WHETHER FRESH EU REGULATION WOULD BE NECESSARY TO AVOID FRAGMENTATION OR, ON THE

CONTRARY, IF SUCH REGULATION WOULD CREATE UNNECESSARY BURDENS AND STIFLE INNOVATION. TAKING A BROAD PERSPECTIVE AND PRAGMATIC VIEW, THE BOOK PROVIDES A COMPREHENSIVE OVERVIEW OF THE COLLABORATIVE ECONOMY IN THE CONTEXT OF THE EU LEGAL LANDSCAPE.

WATER MANAGEMENT: A VIEW FROM MULTIDISCIPLINARY PERSPECTIVES G. M. TAREKUL ISLAM 2022-03-25 THIS BOOK BRINGS TOGETHER A SELECTION OF BEST PAPERS FROM THE INTERNATIONAL CONFERENCE ON WATER AND FLOOD MANAGEMENT, BANGLADESH, 2021. THE BOOK CHAPTERS ARE BASED ON CONTRIBUTIONS FROM MULTIDISCIPLINARY FIELDS, SUCH AS NATURE-BASED SOLUTIONS, HYDRO-METEOROLOGICAL FORECASTING, RIVER RESTORATION, COASTAL RISK, EPISODIC NATURAL HAZARDS, WATER RISK AND RESILIENCE, CLIMATE-RESILIENT INFRASTRUCTURE, BLUE ECONOMY, AND WATER MANAGEMENT DURING THE COVID-19 PANDEMIC. WITH CHANGING PHYSICAL AND SOCIOECONOMIC RISKS DUE TO CHANGES IN CLIMATE AND ANTHROPOGENIC INTERVENTIONS, INTEGRATED APPROACHES TO ANALYZING THESE PROCESSES AND THEIR INTERACTIONS, ALONG WITH INTEGRATING NATURE-BASED SOLUTIONS, ARE GAINING TRACTION. WITH THIS SPECIAL FOCUS ON SCIENCE, POLICY, AND PRACTICE TO ENSURE SUSTAINABILITY IN THE WATER SECTOR, THE CONFERENCE PROVIDED A PLATFORM FOR RESEARCHERS, POLICYMAKERS, AND PRACTITIONERS TO

EXCHANGE THEIR KNOWLEDGE AND EXPERIENCE.

ENGINEERING TECHNOLOGY, ENGINEERING EDUCATION AND ENGINEERING MANAGEMENT DEYAO TAN 2015-06-25 THIS VOLUME CONTAINS PAPERS PRESENTED AT THE INTERNATIONAL CONFERENCE ON ENGINEERING TECHNOLOGIES, ENGINEERING EDUCATION AND ENGINEERING MANAGEMENT (ETEEEM 2014, HONG KONG, 15-16 NOVEMBER 2014). A WIDE VARIETY OF TOPICS IS INCLUDED IN THE BOOK: - ENGINEERING EDUCATION - EDUCATION ENGINEERING AND TECHNOLOGY - METHODS AND LEARNING MECHANISM

LOW-POWER CMOS DIGITAL PIXEL IMAGERS FOR HIGH-SPEED UNCOOLED PbSe IR APPLICATIONS JOSEP MARIA MARGARIT 2016-12-29 THIS BOOK DESCRIBES THE DEVELOPMENT OF A NEW LOW-COST MEDIUM WAVELENGTH IR (MWIR) MONOLITHIC IMAGER TECHNOLOGY FOR HIGH-SPEED UNCOOLED INDUSTRIAL APPLICATIONS. IT TAKES THE BATON ON THE LATEST TECHNOLOGICAL ADVANCES IN THE FIELD OF VAPOR PHASE DEPOSITION (VPD) PbSe-BASED MWIR DETECTION ACCOMPLISHED BY THE INDUSTRIAL PARTNER NIT S.L., ADDING FUNDAMENTAL KNOWLEDGE ON THE INVESTIGATION OF NOVEL VLSI ANALOG AND MIXED-SIGNAL DESIGN TECHNIQUES AT CIRCUIT AND SYSTEM LEVELS FOR THE DEVELOPMENT OF THE READOUT INTEGRATED DEVICE ATTACHED TO THE DETECTOR. IN ORDER TO FULFILL THE OPERATIONAL REQUIREMENTS OF VPD PbSe, THIS WORK PROPOSES NULL INTER-PIXEL CROSSTALK VISION SENSOR

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ARCHITECTURES BASED ON A DIGITAL-ONLY FOCAL PLANE ARRAY (FPA) OF CONFIGURABLE PIXEL SENSORS. EACH DIGITAL PIXEL SENSOR (DPS) CELL IS EQUIPPED WITH FAST COMMUNICATION MODULES, SELF-BIASING, OFFSET CANCELLATION, ANALOG-TO-DIGITAL CONVERTER (ADC) AND FIXED PATTERN NOISE (FPN) CORRECTION. IN-PIXEL POWER CONSUMPTION IS MINIMIZED BY THE USE OF COMPREHENSIVE MOSFET SUBTHRESHOLD OPERATION.

APPLICATIONS OF COMPUTING AND COMMUNICATION TECHNOLOGIES GANESH CHANDRA DEKA 2018-08-29 THIS BOOK (CCIS 899) CONSTITUTES THE REFEREED PROCEEDINGS OF THE FIRST INTERNATIONAL CONFERENCE ON APPLICATIONS OF COMPUTING AND COMMUNICATION TECHNOLOGIES, ICACCT 2018, HELD IN DELHI, INDIA, IN MARCH 2018. THE 30 FULL PAPERS WERE CAREFULLY REVIEWED AND SELECTED FROM 109 SUBMISSIONS. THE PAPERS ARE ORGANIZED IN TOPICAL SECTIONS ON COMMUNICATION AND SYSTEM TECHNOLOGIES, COMPUTING AND NETWORK TECHNOLOGIES, APPLICATION AND SERVICES.

ELECTRONICS, INFORMATION TECHNOLOGY AND INTELLECTUALIZATION YOUNG MIN SONG 2015-01-08 THE INTERNATIONAL CONFERENCE ON ELECTRONICS, INFORMATION TECHNOLOGY AND INTELLECTUALIZATION (ICEIT2014) WAS DEDICATED TO BUILD A HIGH-LEVEL INTERNATIONAL ACADEMIC COMMUNICATION FORUM FOR INTERNATIONAL EXPERTS AND SCHOLARS. THIS FIRST CONFERENCE OF AN

ANNUAL SERIES WAS HELD IN PENGCHENG, SHENZHEN, CHINA 16-17 AUGUST 2014. MANY PRESTIGIOUS EXPERTS **COMPUTER SCIENCE AND APPLICATIONS** ALLY HU 2015-06-11 THE 2014 ASIA-PACIFIC CONFERENCE ON COMPUTER SCIENCE AND APPLICATIONS WAS HELD IN SHANGHAI, DECEMBER 27-28, 2014. THESE CSAC-2014 PROCEEDINGS INCLUDE 105 SELECTED PAPERS, WHICH FOCUS NOT ONLY ON THE RESEARCH OF SCIENCE AND TECHNOLOGY OF COMPUTER SCIENCES, BUT ALSO ON THE RESEARCH OF APPLICATIONS, AIMING AT A QUICK AND IMMEDIATE EFFECT ON LEARNING TO UNDERSTAND REMOTE SENSING IMAGES QI WANG 2019-09-30 WITH THE RECENT ADVANCES IN REMOTE SENSING TECHNOLOGIES FOR EARTH OBSERVATION, MANY DIFFERENT REMOTE SENSORS ARE COLLECTING DATA WITH DISTINCTIVE PROPERTIES. THE OBTAINED DATA ARE SO LARGE AND COMPLEX THAT ANALYZING THEM MANUALLY BECOMES IMPRACTICAL OR EVEN IMPOSSIBLE. THEREFORE, UNDERSTANDING REMOTE SENSING IMAGES EFFECTIVELY, IN CONNECTION WITH PHYSICS, HAS BEEN THE PRIMARY CONCERN OF THE REMOTE SENSING RESEARCH COMMUNITY IN RECENT YEARS. FOR THIS PURPOSE, MACHINE LEARNING IS THOUGHT TO BE A PROMISING TECHNIQUE BECAUSE IT CAN MAKE THE SYSTEM LEARN TO IMPROVE ITSELF. WITH THIS DISTINCTIVE CHARACTERISTIC, THE ALGORITHMS WILL BE MORE ADAPTIVE, AUTOMATIC, AND INTELLIGENT. THIS BOOK INTRODUCES SOME OF THE MOST CHALLENGING ISSUES OF MACHINE LEARNING IN

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THE FIELD OF REMOTE SENSING, AND THE LATEST ADVANCED TECHNOLOGIES DEVELOPED FOR DIFFERENT APPLICATIONS. IT INTEGRATES WITH MULTI-SOURCE/MULTI-TEMPORAL/MULTI-SCALE DATA, AND MAINLY FOCUSES ON LEARNING TO UNDERSTAND REMOTE SENSING IMAGES. PARTICULARLY, IT PRESENTS MANY MORE EFFECTIVE TECHNIQUES BASED ON THE POPULAR CONCEPTS OF DEEP LEARNING AND BIG DATA TO REACH NEW HEIGHTS OF DATA UNDERSTANDING. THROUGH REPORTING RECENT ADVANCES IN THE MACHINE LEARNING APPROACHES TOWARDS ANALYZING AND UNDERSTANDING REMOTE SENSING IMAGES, THIS BOOK CAN HELP READERS BECOME MORE FAMILIAR WITH KNOWLEDGE FRONTIER AND FOSTER AN INCREASED INTEREST IN THIS FIELD.

NEW FRONTIERS IN TEACHING AND LEARNING ENGLISH PAOLA VETTORELLI 2015-06-18 THE CONTRIBUTIONS TO THIS VOLUME EXPLORE SEVERAL FOCAL ISSUES RELATED TO THE GLOBAL SPREAD OF ENGLISH AND THEIR IMPLICATIONS FOR ENGLISH LANGUAGE TEACHING, PROVIDING BOTH THEORETICAL AND EMPIRICAL PERSPECTIVES ON RECENT RESEARCH AND IMPLICATIONS IN EDUCATIONAL TERMS. THE VOLUME IS DIVIDED INTO THREE THEMATIC SECTIONS, NAMEDLY "DEVELOPMENTS IN ELF RESEARCH AND PEDAGOGIC IMPLICATIONS", "RAISING TEACHERS' AWARENESS OF ELF", AND "ELF AND ELT PRACTICES". THE BOOK PROVIDES UP-TO-DATE PERSPECTIVES ON THE ISSUES, IMPLICATIONS AND REPERCUSSIONS THAT FINDINGS IN ELF RESEARCH CAN HAVE

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FOR ELT PRACTICES. THE CONTRIBUTORS ARE ALL SCHOLARS AND RESEARCHERS WHO HAVE LONG BEEN ENGAGED IN ELF-RELATED RESEARCH, AND WHO HAVE UNDERTAKEN OPERATIONAL AND PRACTICAL WORK IN THE FIELD, AND, AS SUCH, OFFER NOVEL PERSPECTIVES ON THE EFFECTS OF EFL RESEARCH ON THE TEACHING AND LEARNING OF ENGLISH. THE VOLUME ALSO PRESENTS THE FINDINGS OF INNOVATIVE PROJECTS IN TEACHER EDUCATION, INVOLVING PRE- AND IN-SERVICE TEACHERS, PROVIDING EXEMPLIFICATIVE GOOD PRACTICES OF POSSIBLE NEW ROUTES INTO PLURALISTIC, ELF-AWARE AND ELF-ORIENTED DIDACTIC PERSPECTIVES.

COMPUTER GRAPHICS WITH AN INTRODUCTION TO MULTIMEDIA, 4TH EDITION CHOPRA RAJIV THIS WELL-WRITTEN TEXTBOOK DISCUSSES THE CONCEPTS, PRINCIPLES AND APPLICATIONS OF COMPUTER GRAPHICS IN A SIMPLE, PRECISE AND SYSTEMATIC MANNER. IT EXPLAINS HOW TO MANIPULATE VISUAL AND GEOMETRIC INFORMATION BY USING THE COMPUTATIONAL TECHNIQUES. IT ALSO INCORPORATES SEVERAL EXPERIMENTS TO BE PERFORMED IN COMPUTER GRAPHICS AND MULTIMEDIA LABS.

FUTURE COMMUNICATION TECHNOLOGY AND ENGINEERING KENNIS CHAN 2015-04-06 FUTURE COMMUNICATION TECHNOLOGY AND ENGINEERING IS A COLLECTION OF PAPERS PRESENTED AT THE 2014 INTERNATIONAL CONFERENCE ON FUTURE COMMUNICATION TECHNOLOGY AND ENGINEERING (SHENZHEN, CHINA 16-17 NOVEMBER 2014). COVERING A

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WIDE RANGE OF TOPICS (COMMUNICATION SYSTEMS, AUTOMATION AND CONTROL ENGINEERING, ELECTRICAL ENGINEERING), THE BOOK INCLUDES THE **PATTERN RECOGNITION AND COMPUTER VISION** ZHOUCHE LIN 2019-10-31 THE THREE-VOLUME SET LNCS 11857, 11858, AND 11859 CONSTITUTES THE REFEREED PROCEEDINGS OF THE SECOND CHINESE CONFERENCE ON PATTERN RECOGNITION AND COMPUTER VISION, PRCV 2019, HELD IN XI'AN, CHINA, IN NOVEMBER 2019. THE 165 REVISED FULL PAPERS PRESENTED WERE CAREFULLY REVIEWED AND SELECTED FROM 412 SUBMISSIONS. THE PAPERS HAVE BEEN ORGANIZED IN THE FOLLOWING TOPICAL SECTIONS: PART I: OBJECT DETECTION, TRACKING AND RECOGNITION, PART II: IMAGE/VIDEO PROCESSING AND ANALYSIS, PART III: DATA ANALYSIS AND OPTIMIZATION.

FROM PEN TO PIXEL PATRIZIA FORTINI 2021-01-31 EFFORTS TO BUILD, REBUILD AND MAINTAIN THE FORUM ROMANUM, ROME'S HISTORIC URBAN EPICENTER, ARE LIKELY AS OLD AS THE PLACE IT SELF - SOME 2800 YEARS. AS A RESULT THE HISTORIC SIGNIFICANCE AND ARCHAEOLOGICAL RICHNESS OF THE FORUM CANNOT BE OVERESTIMATED. DESPITE ITS MANY CHANGES THE FORUM ROMANUM'S SURVIVAL TODAY REPRESENTS AN OUTSTANDING EXAMPLE OF CULTURAL HERITAGE CONTINUITY. ITS HIGHEST POSSIBLE PROTECTION STATUS AMONG MONUMENTS CONSERVATION AGENCIES IN ITALY AND ITS EARLY LISTING ON UNESCO'S WORLD

HERITAGE LIST IN 1980 ARE TESTAMENTS TO THIS. DUE TO ITS REMARKABLE PHYSICAL SURVIVAL, THE FORUM ROMANUM HAS BEEN THE OBJECT OF EXTENSIVE RESEARCH, DOCUMENTATION, RESTORATION AND PRESERVATION EFFORTS OVER THE PAST TWO CENTURIES ESPECIALLY. THE SOPHISTICATION OF THESE MEASURES EVOLVED TO INCLUDE A WIDE RANGE OF EXPERTISE. LAY INTEREST AMONG ANTIQUARIANS AND ARCHITECTS IN ROME'S PAST FROM THE RENAISSANCE THROUGH THE EIGHTEENTH CENTURY WAS SUPPLANTED BY THE EMERGING NEW DISCIPLINES OF ARCHAEOLOGY, ARCHITECTURAL RESTORATION AND MUSEOLOGY. FROM THE LATE NINETEENTH CENTURY CORRESPONDING ADVANCEMENTS IN ARCHAEOLOGICAL METHOD AND CONSERVATION THEORY AND SCIENCE WERE INCREASINGLY APPLIED. FROM THIS TIME ON AS WELL, EXPECTATIONS FOR PRESERVING AND PRESENTING THE FORUM ROMANUM WERE HIGH, THE FAMOUS SITE BEING A MATTER OF INTENSE ROMAN PRIDE, POLITICAL INTEREST, AND SERVING AS A MUST SEE' DESTINATION FOR VISITORS TO ROME. LEADING HISTORIANS, ARCHAEOLOGISTS AND CONSERVATORS HAVE BEEN CENTRAL TO THE STORY OF THE FORUM'S SURVIVAL AND INTERPRETATION. WHILE NUMEROUS NOTED ANTIQUARIANS AND HISTORIANS PRECEDED HIM THE ARCHITECT AND ARCHAEOLOGIST GIOCOMO BONI (1859-1925) WAS UNUSUAL, EVEN PRESCIENT, IN HIS APPROACH AND TREATMENT OF THE PLACE DURING HIS TENURE AS DIRECTOR OF

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EXCAVATIONS OF THE FORUM ROMANUM FROM 1898 UNTIL 1925. HIS COMBINED TALENTS AS AN ARCHITECT, ARCHAEOLOGIST AND CONSERVATOR SET A STANDARD AT THE TIME FOR CAREFUL RESEARCH, THOROUGH DOCUMENTATION, AND RESPONSIBLE CONSERVATION MEASURES. THE SPONSORS OF THE DHARMA CONFERENCE HAVE WISELY CHOSEN TO FOCUS ON ARCHAEOLOGICAL RESEARCH AND CONSERVATION IN THE FORUM DURING GIACOMO BONI'S TENURE SINCE HIS WORK REFLECTS EARLY BEST PRACTICES' IN RESEARCHING, PRESERVING AND INTERPRETING SUCH PLACES. TO FRAME THE DISCUSSION SOME PRECEDENTS AND INFLUENCES OF THE WORK OF GIACOMO BONI ARE OFFERED.

CONTROL ENGINEERING AND INFORMATION SYSTEMS ZHIJING LIU 2015-01-19 CONTROL ENGINEERING AND INFORMATION SYSTEMS CONTAINS THE PAPERS PRESENTED AT THE 2014 INTERNATIONAL CONFERENCE ON CONTROL ENGINEERING AND INFORMATION SYSTEMS (ICCEIS 2014, YUEYANG, HUNAN, CHINA, 20-22 JUNE 2014). ALL MAJOR ASPECTS OF THE THEORY AND APPLICATIONS OF CONTROL ENGINEERING AND INFORMATION SYSTEMS ARE ADDRESSED, INCLUDING: - INTELLIGENT SYSTEMS - TEACHING CASES - PATTERN RECOGNITION - INDUSTRY APPLICATION - MACHINE LEARNING - SYSTEMS SCIENCE AND SYSTEMS ENGINEERING - DATA MINING - OPTIMIZATION - BUSINESS PROCESS MANAGEMENT - EVOLUTION OF PUBLIC SECTOR ICT - IS ECONOMICS - IS

SECURITY AND PRIVACY - PERSONAL DATA MARKETS - WIRELESS AD HOC AND SENSOR NETWORKS - DATABASE AND SYSTEM SECURITY - APPLICATION OF SPATIAL INFORMATION SYSTEM - OTHER RELATED AREAS CONTROL ENGINEERING AND INFORMATION SYSTEMS PROVIDES A VALUABLE SOURCE OF INFORMATION FOR SCHOLARS, RESEARCHERS AND ACADEMICS IN CONTROL ENGINEERING AND INFORMATION SYSTEMS.

POWER AND ENERGY RICHARD KONG 2015-05-06 POWER AND ENERGY CONTAINS 86 SELECTED PAPERS FROM THE INTERNATIONAL CONFERENCE ON POWER AND ENERGY (CPE 2014, SHANGHAI, CHINA, 29-30 NOVEMBER 2014), AND PRESENTS A WIDE RANGE OF TOPICS:- ENERGY MANAGEMENT, PLANNING AND POLICY-MAKING- ENERGY TECHNOLOGIES AND ENVIRONMENT- ENERGY PROSPECTS- CONVENTIONAL AND RENEWABLE POWER GENERATION- POWER SYSTEM MAN

ELECTRONICS, COMMUNICATIONS AND NETWORKS IV AMIR HUSSAIN 2015-07-01 THE 4TH INTERNATIONAL CONFERENCE ON ELECTRONIC, COMMUNICATIONS AND NETWORKS (CECNET 2014) INHERITS THE FRUITFULNESS OF THE PAST THREE CONFERENCES AND LAYS A FOUNDATION FOR THE FORTHCOMING NEXT YEAR IN SHANGHAI. CECNET 2014 WAS HOSTED BY HUBEI UNIVERSITY OF SCIENCE AND TECHNOLOGY, CHINA, WITH THE MAIN OBJECTIVE OF PROVIDING A COMPREHENSIVE GLOBAL FORU

COMBINATIONS OF INTELLIGENT METHODS AND APPLICATIONS IOANNIS HATZILYGEROUDIS 2016-01-27 THIS VOLUME

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INCLUDES EXTENDED AND REVISED VERSIONS OF THE PAPERS PRESENTED AT THE 4TH WORKSHOP ON “COMBINATIONS OF INTELLIGENT METHODS AND APPLICATIONS” (CIMA 2014) WHICH WAS INTENDED TO BECOME A FORUM FOR EXCHANGING EXPERIENCE AND IDEAS AMONG RESEARCHERS AND PRACTITIONERS DEALING WITH COMBINATIONS OF DIFFERENT INTELLIGENT METHODS IN ARTIFICIAL INTELLIGENCE. THE AIM IS TO CREATE INTEGRATED OR HYBRID METHODS THAT BENEFIT FROM EACH OF THEIR COMPONENTS. SOME OF THE EXISTING PRESENTED EFFORTS COMBINE SOFT COMPUTING METHODS (FUZZY LOGIC, NEURAL NETWORKS AND GENETIC ALGORITHMS). ANOTHER STREAM OF EFFORTS INTEGRATES CASE-BASED REASONING OR MACHINE LEARNING WITH SOFT-COMPUTING METHODS. SOME OF THE COMBINATIONS HAVE BEEN MORE WIDELY EXPLORED, LIKE NEURO-SYMBOLIC METHODS, NEURO-FUZZY METHODS AND METHODS COMBINING RULE-BASED AND CASE-BASED REASONING. CIMA 2014 WAS HELD IN CONJUNCTION WITH THE 26TH IEEE INTERNATIONAL CONFERENCE ON TOOLS WITH ARTIFICIAL INTELLIGENCE (ICTAI 2014).

EARTH OBSERVATIONS FOR GEOHAZARDS ZHENHONG LI

2018-07-05 THIS BOOK IS A PRINTED EDITION OF THE SPECIAL ISSUE “EARTH OBSERVATIONS FOR GEOHAZARDS” THAT WAS PUBLISHED IN REMOTE SENSING)

LEARNING TO SEE (BETTER): IMPROVING VISUAL DEFICITS WITH PERCEPTUAL LEARNING GIANLUCA CAMPANA 2015-07-09

PERCEPTUAL LEARNING CAN BE DEFINED AS A LONG LASTING IMPROVEMENT IN A PERCEPTUAL SKILL FOLLOWING A SYSTEMATIC TRAINING, DUE TO CHANGES IN BRAIN PLASTICITY AT THE LEVEL OF SENSORY OR PERCEPTUAL AREAS. ITS EFFICACY HAS BEEN REPORTED FOR A NUMBER OF VISUAL TASKS, SUCH AS DETECTION OR DISCRIMINATION OF VISUAL GRATINGS (DE VALOIS, 1977; FIORENTINI & BERARDI, 1980, 1981; MAYER, 1983), MOTION DIRECTION DISCRIMINATION (BALL & SEKULER, 1982, 1987; BALL, SEKULER, & MACHAMER, 1983), ORIENTATION JUDGMENTS (FAHLE, 1997; SHIU & PASHLER, 1992; VOGELS & ORBAN, 1985), HYPERACUITY (BEARD, LEVI, & REICH, 1995; BENNETT & WESTHEIMER, 1991; FAHLE, 1997; FAHLE & EDELMAN, 1993; KUMAR & GLASER, 1993; MCKEE & WESTHEIMER, 1978; SAARINEN & LEVI, 1995), VISUAL SEARCH TASKS (AHISSAR & HOCHSTEIN, 1996; CASCO, CAMPANA, & GIDIULI, 2001; CAMPANA & CASCO, 2003; ELLISON & WALSH, 1998; SIRETEANU & RETTENBACH, 1995) OR TEXTURE DISCRIMINATION (CASCO ET AL., 2004; KARNI & SAGI, 1991, 1993). PERCEPTUAL LEARNING IS LONG-LASTING AND SPECIFIC FOR BASIC STIMULUS FEATURES (ORIENTATION, RETINAL POSITION, EYE OF PRESENTATION) SUGGESTING A LONG-TERM MODIFICATION AT EARLY STAGES OF VISUAL ANALYSIS, SUCH AS IN THE STRIATE (KARNI & SAGI, 1991; 1993; SAARINEN & LEVI, 1995; POURTOIS ET AL., 2008) AND EXTRASTRIATE (AHISSAR & HOCHSTEIN,

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1996) VISUAL CORTEX. NOT CONFINED TO A BASIC RESEARCH PARADIGM, PERCEPTUAL LEARNING HAS RECENTLY FOUND APPLICATION OUTSIDE THE LABORATORY ENVIRONMENT, BEING USED FOR CLINICAL TREATMENT OF A SERIES OF VISUALLY IMPAIRING CONDITIONS SUCH AS AMBLYOPIA (LEVI & POLAT, 1996; LEVI, 2005; LEVI & LI, 2009, POLAT ET AL., 2004; ZHOU ET AL., 2006), MYOPIA (TAN & FONG, 2008) OR PRESBYOPIA (POLAT, 2009). DIFFERENT AUTHORS ADOPTED DIFFERENT PARADIGMS AND STIMULI IN ORDER TO IMPROVE MALFUNCTIONING VISUAL ABILITIES, SUCH AS VERNIER ACUITY (LEVI, POLAT & HU, 1997), GRATINGS DETECTION (ZHOU ET AL., 2006), OCULOMOTOR TRAINING (ROSENGARTH ET AL., 2013) AND LATERAL INTERACTIONS (POLAT ET AL., 2004). THE COMMON RESULT OF THESE STUDIES IS THAT A SPECIFIC TRAINING PRODUCES NOT ONLY IMPROVEMENTS IN TRAINED FUNCTIONS, BUT ALSO IN OTHER, UNTRAINED AND HIGHER-LEVEL VISUAL FUNCTIONS, SUCH AS VISUAL ACUITY, CONTRAST SENSITIVITY AND READING SPEED (LEVI ET AL, 1997A, 1997B; POLAT ET AL., 2004; POLAT, 2009; TAN & FONG, 2008). MORE RECENTLY (MANIGLIA ET AL. 2011), PERCEPTUAL LEARNING WITH THE LATERAL INTERACTIONS PARADIGM HAS BEEN SUCCESSFULLY USED FOR IMPROVING PERIPHERAL VISION IN NORMAL PEOPLE (BY IMPROVING CONTRAST SENSITIVITY AND REDUCING CROWDING, THE INTERFERENCE IN TARGET DISCRIMINATION DUE TO THE

PRESENCE OF CLOSE ELEMENTS), OFFERING FASCINATING NEW PERSPECTIVES IN THE REHABILITATION OF PEOPLE WHO SUFFER OF CENTRAL VISION LOSS, SUCH AS MACULOPATHY PATIENTS, PARTIALLY OVERCOMING THE STRUCTURAL DIFFERENCES BETWEEN FOVEA AND PERIPHERY THAT LIMIT THE VISION OUTSIDE THE FOVEA. ONE OF THE STRONGEST POINT, AND A DISTINGUISHING FEATURE OF PERCEPTUAL LEARNING, IS THAT IT DOES NOT JUST IMPROVE THE SUBJECT'S PERFORMANCE, BUT PRODUCES CHANGES IN BRAIN'S CONNECTIVITY AND EFFICIENCY, RESULTING IN LONG-LASTING, ENDURING NEURAL CHANGES. BY TAILORING THE PARADIGMS ON EACH SUBJECT'S NEEDS, PERCEPTUAL LEARNING COULD BECOME THE TREATMENT OF CHOICE FOR THE REHABILITATION OF VISUAL FUNCTIONS, EMERGING AS A SIMPLE PROCEDURE THAT DOESN'T NEED EXPENSIVE EQUIPMENT.

COAL AND PEAT FIRES: A GLOBAL PERSPECTIVE GLENN B. STRACHER 2014-11-17 *COAL AND PEAT FIRES: A GLOBAL PERSPECTIVE, VOLUMES 1-4*, PRESENTS A FASCINATING COLLECTION OF RESEARCH ABOUT PREHISTORIC AND HISTORIC COAL AND PEAT FIRES. MAGNIFICENT ILLUSTRATIONS OF FIRES AND RESEARCH FINDINGS FROM COUNTRIES AROUND THE WORLD ARE FEATURED—A TOTALLY NEW CONTRIBUTION TO SCIENCE. THIS THIRD OF FOUR VOLUMES IN THE COLLECTION, *COAL FIRES - CASE STUDIES*, EXAMINES IN DETAIL SPECIFIC COAL FIRES CHRONICLED IN A NUMBER OF LOCATIONS AROUND THE WORLD INCLUDING BRAZIL, THE CZECH REPUBLIC, GERMANY,

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MALAWI, POLAND, RUSSIA, SPAIN, TAJIKISTAN, THE UNITED STATES, VENEZUELA, AND OTHERS. AUTHORED BY WORLD-RENOWNED EXPERTS IN COAL AND PEAT FIRES GLOBAL IN SCOPE—COUNTRIES FROM AROUND THE WORLD ARE REPRESENTED INCLUDES BEAUTIFUL COLOR ILLUSTRATIONS, LIVELY PRESENTATIONS, IMPORTANT RESEARCH DATA, AND INFORMATIVE VIDEOS

FEDERAL REGISTER 2013-07

ADVANCES IN REMOTE SENSING-BASED DISASTER MONITORING AND ASSESSMENT JUNGHO IM 2020-11-13 REMOTE SENSING

DATA AND TECHNIQUES HAVE BEEN WIDELY USED FOR DISASTER MONITORING AND ASSESSMENT. IN PARTICULAR, RECENT ADVANCES IN SENSOR TECHNOLOGIES AND ARTIFICIAL INTELLIGENCE-BASED MODELING ARE VERY PROMISING FOR DISASTER MONITORING AND READYING RESPONSES AIMED AT REDUCING THE DAMAGE CAUSED BY DISASTERS. THIS BOOK CONTAINS ELEVEN SCIENTIFIC PAPERS THAT HAVE STUDIED NOVEL APPROACHES APPLIED TO A RANGE OF NATURAL DISASTERS SUCH AS FOREST FIRE, URBAN LAND SUBSIDENCE, FLOOD, AND TROPICAL CYCLONES.