2017 Hong Kong Conference Abstract Icbea

Thank you for downloading **2017 Hong Kong Conference Abstract Icbea** . Maybe you have knowledge that, people have look numerous times for their chosen books like this 2017 Hong Kong Conference Abstract Icbea , but end up in malicious downloads.
Rather than reading a good book with a cup of tea in the afternoon, instead they are facing with some malicious bugs inside their desktop computer.

2017 Hong Kong Conference Abstract Icbea is available in our digital library an online access to it is set as public so you can get it instantly.
Our books collection hosts in multiple locations, allowing you to get the most less latency time to download any of our books like this one.
Merely said, the 2017 Hong Kong Conference Abstract Icbea is universally compatible with any devices to read

2021 IEEE 34th International Symposium on Computer Based Medical Systems (CBMS) - IEEE Staff 2021-06-07
The International Symposium on Computer Based Medical Systems will attract a worldwide audience since it is the premier conference for computer based medical systems, and one of the main conferences within the fields of medical informatics and biomedical informatics CBMS allows the exchange of ideas and technologies between academic and industrial scientists The scientific program of CBMS will consist of regular and special track sessions with technical contributions reviewed and selected by an international programme committee, as well as, keynote talks and tutorials given by leading experts in their fields The CBMS edition also aims to host high quality papers about industry and real case applications as well as allow to researchers leading international projects to show to the scientific community the main aims, goals and results of their projects
Intelligent Circuits and Systems - Rajesh Singh 2021-08-01
ICICS-2020 is the third conference initiated by the School of Electronics and Electrical Engineering at Lovely Professional University that explored recent innovations of researchers working for the development of smart and green technologies in the fields of Energy, Electronics, Communications, Computers, and Control. ICICS provides innovators to identify new opportunities for the social and economic benefits of society. This conference bridges the gap between academics and R&D institutions, social visionaries, and experts from all strata of society to present their ongoing research activities and foster research relations between them. It provides opportunities for the exchange of new ideas, applications, and experiences in the field of smart technologies and finding global partners for future collaboration. The ICICS-2020 was conducted in two broad categories, Intelligent Circuits & Intelligent Systems and Emerging Technologies in Electrical Engineering.
Artificial Neural Networks in Pattern Recognition - Frank-Peter Schilling 2020
This book constitutes the refereed proceedings of the 9th IAPR TC3 International Workshop on Artificial Neural Networks in Pattern Recognition, ANNPR 2020, held in Winterthur, Switzerland, in September 2020. The conference was held virtually due to the COVID-19 pandemic. The 22 revised full papers presented were carefully reviewed and selected from 34 submissions. The papers present and discuss the latest research in all areas of neural network-and machine learning-based pattern recognition. They are organized in two sections: learning algorithms and architectures, and applications.
Handbook of Iris Recognition - Kevin W. Bowyer 2016-07-28
The definitive work on iris recognition technology, this comprehensive handbook presents a broad overview of the state of the art in this exciting and rapidly evolving field. Revised and updated from the highly-successful original, this second edition has also been considerably expanded in scope and content, featuring four completely new chapters. Features: provides authoritative insights from an international selection of preeminent researchers from government, industry, and academia; reviews issues covering the full spectrum of the iris recognition process, from acquisition to encoding; presents surveys of topical areas, and discusses the frontiers of iris research, including cross-wavelength matching, iris template aging, and anti-spoofing; describes open source software for the iris recognition pipeline and datasets of iris images; includes new content on liveness detection, correcting off-angle iris images, subjects with eye conditions, and implementing software systems for iris recognition.
Congress on Advanced Materials Sciences and Engineering - Lee Zhi 2020-05-19
Advanced materials and technologies are at the heart of many engineering developments that touch our lives and find wide applications in industry. The presented articles are selected from presentations that were given at the International Congress on Advanced Materials Science and Engineering (AMSE, July 22 – 24, 2019, Osaka, Japan). This collection will be interesting and useful for specialists and researchers from various branches of engineering.
Security and Privacy in Biometrics - Patrizio Campisi 2013-06-28
This important text/reference presents the latest secure and privacy-compliant techniques in automatic human recognition. Featuring viewpoints from an international selection of experts in the field, the comprehensive coverage spans both theory and practical implementations, taking into consideration all ethical and legal issues. Topics and features: presents a unique focus on novel approaches and new architectures for unimodal and multimodal template protection; examines signal processing techniques in the encrypted domain, security and privacy leakage assessment, and aspects of standardization; describes real-world applications, from face and fingerprint-based user recognition, to biometrics-based electronic documents, and biometric systems employing smart cards; reviews the ethical implications of the ubiquity of biometrics in everyday life, and its impact on human dignity; provides guidance on best practices for the processing of biometric data within a legal framework.
2019 International Conference on Indoor Positioning and Indoor Navigation (IPIN) - IEEE Staff 2019-09-30
The advent of terrestrial positioning systems, the internet of things and human sensor networks providing new navigation functionalities sets a novel paradigm for indoor positioning and navigation solutions The environment, where navigation technology is expected to work, has extended to challenging indoor spaces and to the context of goods and personal mobility Globally, there is no overall and easy solution Every year, IPIN gathers over 400 industrial and academic experts in informatics, electronics and surveying to address this challenge In the footsteps of our French colleagues, the tenth edition of IPIN will be held in Pisa, Italy It is planned to have technical sessions, tutorials, exhibitions, and indoor geolocation competitions
Second Generation Biometrics: The Ethical, Legal and Social Context - Emilio Mordini 2012-05-02
While a sharp debate is emerging about whether conventional biometric technology offers society any significant advantages over other forms of identification, and whether it constitutes a threat to privacy, technology is rapidly progressing. Politicians and the public are still discussing fingerprinting and iris scan, while scientists and engineers are already testing futuristic solutions. Second generation biometrics - which include multimodal biometrics, behavioural biometrics, dynamic face recognition, EEG and ECG biometrics, remote iris recognition, and other, still more astonishing, applications – is a reality which promises to overturn any current ethical standard about human identification. Robots which recognise their masters, CCTV which detects intentions, voice responders which analyse emotions: these are only a few applications in progress to be developed. This book is the first ever published on ethical, social and privacy implications of second generation biometrics. Authors include both distinguished scientists in the biometric field and prominent ethical, privacy and social scholars. This makes this book an invaluable tool for policy makers, technologists, social scientists, privacy authorities involved in biometric policy setting. Moreover it is a precious instrument to update scholars from different disciplines who are interested in biometrics and its wider social, ethical and political implications.
Handbook of Vascular Biometrics - Andreas Uhl 2020-09-11
This open access handbook provides the first comprehensive overview of biometrics exploiting the shape of human blood vessels for biometric recognition, i.e. vascular biometrics, including finger vein recognition, hand/palm vein recognition, retina recognition, and sclera recognition. After an introductory chapter summarizing the state of the art in and availability of commercial systems and open datasets/open source

software, individual chapters focus on specific aspects of one of the biometric modalities, including questions of usability, security, and privacy. The book features contributions from both academia and major industrial manufacturers.

Iris Biometrics - Christian Rathgeb 2012-11-08

Iris Biometrics: From Segmentation to Template Security provides critical analysis, challenges and solutions on recent iris biometric research topics, including image segmentation, image compression, watermarking, advanced comparators, template protection and more. Open source software is also provided on a dedicated website which includes feature extraction, segmentation and matching schemes applied in this book to foster scientific exchange. Current state-of-the-art approaches accompanied by comprehensive experimental evaluations are presented as well. This book has been designed as a secondary text book or reference for researchers and advanced-level students in computer science and electrical engineering. Professionals working in this related field will also find this book useful as a reference.

Information and Knowledge in Internet of Things - Teresa Guarda 2021-10-06

This book provides readers with an insight into information and knowledge in the Internet of Things, in particular an investigation of data management and processing, information extraction, technology, knowledge management, knowledge sharing, knowledge co-creation, knowledge integration, and the development of new intelligent services available anytime, anywhere, by anyone. The authors show how IoT enables communication and ubiquitous computing between global citizens, networked machines and physical objects, providing a promising vision of the future integrating the real world of knowledge agents and things with the virtual world of information.

2021 International Conference on Computer Communication and Artificial Intelligence (CCAI) - IEEE Staff 2021-05-07

CCAI 2020 conference is going to be even more of a truly international and an excellent forum for both young and experienced researchers and seasoned academics to present and defend their work on a global stage Sharing experiences and difficulties between researchers with mentoring new researchers is where we ensure research is taken to the boundaries of new knowledge

Advances in Biometrics - Massimo Tistarelli 2009-06-04

rd It is a pleasure and an honour both to organize ICB 2009, the 3 IAPR/IEEE Inter- tional Conference on Biometrics. This will be held 2–5 June in Alghero, Italy, hosted by the Computer Vision Laboratory, University of Sassari. The conference series is the premier forum for presenting research in biometrics and its allied technologies: the generation of new ideas, new approaches, new techniques and new evaluations. The ICB series originated in 2006 from joining two highly reputed conferences: Audio and Video Based Personal Authentication (AVBPA) and the International Conference on Biometric Authentication (ICBA). Previous conferences were held in Hong Kong and in Korea. This is the first time the ICB conference has been held in Europe, and by Programme Committee, arrangements and by the quality of the papers, ICB 2009 will continue to maintain the high standards set by its predecessors. In total we received around 250 papers for review. Of these, 36 were selected for oral presentation and 93 for poster presentation. These papers are accompanied by the invited speakers: Heinrich H. Bülthoff (Max Planck Institute for Biological Cybernetics, Tüb- gen, Germany) on “What Can Machine Vision Learn from Human Perception?”, - daoki Furui (Department of Computer Science, Tokyo Institute of Technology) on “40 Years of Progress in Automatic Speaker Recognition Technology” and Jean-Christophe Fondeur (SAGEM Security and Morpho, USA) on “Large Scale Deployment of Biom- rics and Border Control”.

What the Face Reveals - Paul Ekman 2005-04-14

While we have known for centuries that facial expressions can reveal what people are thinking and feeling, it is only recently that the face has been studied scientifically for what it can tell us about internal states, social behavior, and psychopathology. Today's widely available, sophisticated measuring systems have allowed us to conduct a wealth of new research on facial behavior that has contributed enormously to our understanding of the relationship between facial expression and human psychology. The chapters in this volume present the state-of-the-art in this research. They address key topics and questions, such as the dynamic and morphological differences between voluntary and involuntary expressions, the relationship between what people show on their faces and what they say they feel, whether it is possible to use facial behavior to draw distinctions among psychiatric populations, and how far research on automating facial measurement has progressed. The book also includes follow-up commentary on all of the original research presented and a concluding integration and critique of all the contributions made by Paul Ekman. As an essential reference for all those working in the area of facial analysis and expression, this volume will be indispensable for a wide range of professionals and students in the fields of psychology, psychiatry, and behavioral medicine.

Soft Nanomaterials - Zhang Ye 2019-09-18

Soft materials with nanometer scale aspects have been heavily used in biomedical science. Instead of providing a broad introduction of soft materials and their biomedical applications, this book focuses on the preparation of molecular assemblies of biotechnologically relevant biomimetic systems with an emphasis on medical applications.

Computing, Analytics and Networks - Rajnish Sharma 2018-07-06

This book constitutes the revised selected papers from the First International Conference on Computing, Analytics and Networks, ICAN 2017, held in Rajpura, India, in October 2017. The 20 revised full papers presented in this volume were carefully reviewed and selected from 56 submissions. They are organized in topical sections on Mobile Cloud Computing; Big Data Analytics; Secure Networks. Five papers in this book are available open access under a Creative Commons Attribution 4.0 International License via link.springer.com. For further details, please see the copyright page.

Parkinson's Disease and Movement Disorders - Joseph Jankovic 1998

Written by an international group of renowned experts, the Fifth Edition of this premier reference provides comprehensive, current information on the genetics, pathophysiology, diagnosis, medical and surgical treatment, and behavioral and psychologic concomitants of all common and uncommon movement disorders. Coverage includes Parkinson's disease, other neurodegenerative diseases, tremors, dystonia, Tourette's syndrome, Huntington's disease, and ataxias. This edition features extensive updates on genetics, imaging, and therapeutics of Parkinson's disease, other parkinsonian disorders, and all hyperkinetic movement disorders. A bound-in CD-ROM, Video Atlas of Movement Disorders, demonstrates the movement and posture abnormalities and other disturbances associated with Parkinson's disease and other neurologic disorders.

Next-Generation Mobile and Pervasive Healthcare Solutions - Machado, Jose 2017-08-10

Technology is changing the practice of healthcare by the ways medical information is stored, shared, and accessed. With mobile innovations, new strategies are unfolding to further advance processes and procedures in medical settings. Next-Generation Mobile and Pervasive Healthcare Solutions is an advanced reference source for the latest research on emerging progress and applications within mobile health initiatives and health informatics. Featuring coverage on a broad range of topics and perspectives such as electronic health records (EHR), clinical decision support systems, and medical ontologies, this publication is ideally designed for professionals and researchers seeking scholarly material on the increased use of mobile health applications.

Design Engineering and Science - Nam Pyo Suh 2021-10-25

Design Engineering and Science teaches the theory and practice of axiomatic design (AD). It explains the basics of how to conceive and deliver solutions to a variety of design problems. The text shows how a logical framework and scientific basis for design can generate creative solutions in many fields, including engineering, materials, organizations, and a variety of large systems. Learning to apply the systematic methods advocated by AD, a student can construct designs that lead to better environmental sustainability and to increased quality of life for the end-user at the same time reducing the overall cost of the product development process. Examples of previous innovations that take advantage of AD methods include: • on-line electric vehicle design for electric buses with wireless power supply; • mobile harbors that allow unloading of large ships in shallow waters; • microcellular plastics with enhanced toughness and lower weight; and • organizational changes in companies and universities resulting in more efficient and competitive ways of working. The book is divided into two parts. Part I provides detailed and thorough instruction in the fundamentals of design, discussing why design is so important. It explains the relationship between and the selection of functional requirements, design parameters and process variables, and the representation of design outputs. Part II presents multiple applications of AD, including examples from manufacturing, healthcare, and materials processing. Following a course based on this text students learn to create new products and design bespoke manufacturing systems. They will gain insight into how to create

imaginative design solutions that satisfy customer needs and learn to avoid introducing undue complexity into their designs. This informative text provides practical and academic insight for engineering design students and will help instructors teach the subject in a novel and more rigorous fashion. Their knowledge of AD will stand former students in good stead in the workplace as these methods are both taught and used in many leading industrial concerns.

Advances in Biometrics - David Zhang 2006-02-10

This book constitutes the refereed proceedings of the International Conference on Biometrics, ICB 2006, held in Hong Kong, China in January 2006. The book includes 104 revised full papers covering such areas of biometrics as the face, fingerprint, iris, speech and signature, biometric fusion and performance evaluation, gait, keystrokes, and more. In addition the results of the Face Authentication Competition (FAC 2006) are also announced in this volume.

Autonomic Failure - C. J. Mathias 1999

This fourth edition of Autonomic Failure (now available in paperback) covers the many recent advances made in our understanding of the autonomic nervous system. There are 20 new chapters and extensive revisions of all other contributions. Autonomic failure, fourth edition makes diagnosis increasingly precise by fully evaluating the underlying anatomical and functional deficits, thereby allowing more effective treatment. This new edition continues to provide practitioners from a variety of fields, including neurology, cardiology, geriatric medicine, diabetology, and internal medicine, with a rational guide to aid in the recognition and management of autonomic disorders. The book starts with an updated classification of autonomic disorders and a history of the autonomic nervous system. The first two sections of the book deal with the fundamental aspects of autonomic structure, function, and integration. There are new chapters dealing with neurobiology, nerve growth factors, genetic mutations, neural and hormonal control of the cerebral circulation, innervation of the lung, and pathophysiological mechanisms causing nausea and vomiting. Advances in the clinical management of autonomic disorders are critically dependent on the bridge made between the basic and applied sciences.

Secure and Trust Computing, Data Management, and Applications - James J Jong Hyuk Park 2011-07-05

This book constitutes the refereed proceedings of the 8th FIRA International Conference on Secure and Trust Computing, Data Management, and Applications, STA 2011, held in Loutraki, Greece, in June 2011. STA 2011 is the first conference after the merger of the successful SSDU, UbiSec, and TRUST symposium series previously held from 2006 until 2010 in various locations. The 29 revised full papers presented were carefully reviewed and selected from numerous submissions. The papers address various theories and practical applications of secure and trust computing and data management in future environments.

High-Performance Modelling and Simulation for Big Data Applications - Joanna Kołodziej 2019-03-25

This open access book was prepared as a Final Publication of the COST Action IC1406 “High-Performance Modelling and Simulation for Big Data Applications (cHiPSet)“ project. Long considered important pillars of the scientific method, Modelling and Simulation have evolved from traditional discrete numerical methods to complex data-intensive continuous analytical optimisations. Resolution, scale, and accuracy have become essential to predict and analyse natural and complex systems in science and engineering. When their level of abstraction raises to have a better discernment of the domain at hand, their representation gets increasingly demanding for computational and data resources. On the other hand, High Performance Computing typically entails the effective use of parallel and distributed processing units coupled with efficient storage, communication and visualisation systems to underpin complex data-intensive applications in distinct scientific and technical domains. It is then arguably required to have a seamless interaction of High Performance Computing with Modelling and Simulation in order to store, compute, analyse, and visualise large data sets in science and engineering. Funded by the European Commission, cHiPSet has provided a dynamic trans-European forum for their members and distinguished guests to openly discuss novel perspectives and topics of interests for these two communities. This cHiPSet compendium presents a set of selected case studies related to healthcare, biological data, computational advertising, multimedia, finance, bioinformatics, and telecommunications.

Laser Physics - Simon Hooker 2010-08-05

An up-to-date perspective on laser technology for students at advanced undergraduate or introductory graduate level. The principles of operation and applications of modern laser systems are analysed in detail. The text has over 300 diagrams and each chapter is accompanied with questions (solutions available on application).

Proceedings of the 1st International Conference on Electronics, Biomedical Engineering, and Health Informatics - Triwiyanto 2021-04-16

This Conference proceeding presents high-quality peer-reviewed papers from the International Conference on Electronics, Biomedical Engineering, and Health Informatics (ICEBEHI) 2020 held at Surabaya, Indonesia. The contents are broadly divided into three parts: (i) Electronics, (ii) Biomedical Engineering, and (iii) Health Informatics. The major focus is on emerging technologies and their applications in the domain of biomedical engineering. It includes papers based on original theoretical, practical, and experimental simulations, development, applications, measurements, and testing. Featuring the latest advances in the field of biomedical engineering applications, this book serves as a definitive reference resource for researchers, professors, and practitioners interested in exploring advanced techniques in the field of electronics, biomedical engineering, and health informatics. The applications and solutions discussed here provide excellent reference material for future product development.

Recent Trends in Life Sciences - M. H. Fulekar 2014-05-30

The combination of multidisciplinary research in plants, animals, microorganisms and their interactions with molecular biology, genetic engineering approaches and advances in cell biology research has broadened the horizons of the life sciences. This book deals with recent trends in the life sciences and will be beneficial for postgraduate students and researchers.

Practical Guide for Biomedical Signals Analysis Using Machine Learning Techniques - Abdulhamit Subasi 2019-03-16

Practical Guide for Biomedical Signals Analysis Using Machine Learning Techniques: A MATLAB Based Approach presents how machine learning and biomedical signal processing methods can be used in biomedical signal analysis. Different machine learning applications in biomedical signal analysis, including those for electrocardiogram, electroencephalogram and electromyogram are described in a practical and comprehensive way, helping readers with limited knowledge. Sections cover biomedical signals and machine learning techniques, biomedical signals, such as electroencephalogram (EEG), electromyogram (EMG) and electrocardiogram (ECG), different signal-processing techniques, signal de-noising, feature extraction and dimension reduction techniques, such as PCA, ICA, KPCA, MSPCA, entropy measures, and other statistical measures, and more. This book is a valuable source for bioinformaticians, medical doctors and other members of the biomedical field who need a cogent resource on the most recent and promising machine learning techniques for biomedical signals analysis. Provides comprehensive knowledge in the application of machine learning tools in biomedical signal analysis for medical diagnostics, brain computer interface and man/machine interaction Explains how to apply machine learning techniques to EEG, ECG and EMG signals Gives basic knowledge on predictive modeling in biomedical time series and advanced knowledge in machine learning for biomedical time series

Environment and Sustainable Development - M.H. Fulekar 2013-10-04

Global society in the 21st century is facing challenges of improving the quality of air, water, soil and the environment and maintaining the ecological balance. Environmental pollution, thus, has become a major global concern. The modern growth of industrialization, urbanization, modern agricultural development and energy generation has resulted in the indiscriminate exploitation of natural resources for fulfilling human desires and needs, which has contributed in disturbing the ecological balance on which the quality of our environment depends. Human beings, in the truest sense, are the product of their environment. The man-environment relationship indicates that pollution and deterioration of the environment have a social origin. The modern technological advancements in chemical processes/operations have generated new products, resulting in new pollutants in such abundant levels that they are above the self-cleaning capacity of the environment. One of the major issues in recent times is the threat tohuman lives due to the progressive deterioration of the environment from various sources. The impact of the pollutants on the environment will be significant when the accumulated pollutants load will exceed the carrying capacity of the receiving environment. Sustainable development envisages the use of natural resources, such as forests, land, water and fisheries, in a sustainable

manner without causing changes in our natural world. The Rio de Janeiro-Earth Summit, held in Brazil in 1992, focused on sustainable development to encourage respect and concern for the use of natural resources in a sustainable manner for the protection of the environment. This book will be beneficial as a source of educational material to post-graduate research scholars, teachers and industrial personnel for maintaining the balance in the use of natural sources for sustainable development.

Artificial Neural Networks in Pattern Recognition - Luca Pancioni 2018-08-29

This book constitutes the refereed proceedings of the 8th IAPR TC3 International Workshop on Artificial Neural Networks in Pattern Recognition, ANNPR 2018, held in Siena, Italy, in September 2018. The 29 revised full papers presented together with 2 invited papers were carefully reviewed and selected from 35 submissions. The papers present and discuss the latest research in all areas of neural network- and machine learning-based pattern recognition. They are organized in two sections: learning algorithms and architectures, and applications. Chapter "Bounded Rational Decision-Making with Adaptive Neural Network Priors" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Next-Generation Applications and Implementations of Gamification Systems - Portela, Filipe 2021-10-22

Gamification is being used everywhere; despite its apparent plethora of benefits, the unbalanced use of its main mechanics can end up in catastrophic results for a company or institution. Currently, there is a lack of knowledge of what it is, leading to its unregulated and ad hoc use without any prior planning. This unbalanced use prejudices the achievement of the initial goals and impairs the user's evolution, bringing potential negative reflections. Currently, there are few specifications and modeling languages that allow the creation of a system of rules to serve as the basis for a gamification engine. Consequently, programmers implement gamification in a variety of ways, undermining any attempt at reuse and negatively affecting interoperability. Next-Generation Applications and Implementations of Gamification Systems synthesizes all the trends, best practices, methodologies, languages, and tools that are used to implement gamification. It also discusses how to put gamification in action by linking academic and informatics researchers with professionals who use gamification in their daily work to disseminate and exchange the knowledge, information, and technology provided by the international communities in the area of gamification throughout the 21st century. Covering topics such as applied and cloud gamification, chatbots, deep learning, and certifications and frameworks, this book is ideal for programmers, computer scientists, software engineers, practitioners of technological companies, managers, academicians, researchers, and students.

Evolving Application Domains of Data Warehousing and Mining: Trends and Solutions - Furtado, Pedro Nuno San-Banto 2009-09-30

"This book provides insight into the latest findings concerning data warehousing, data mining, and their applications in everyday human activities"--Provided by publisher.

Advanced Research in Technologies, Information, Innovation and Sustainability - Teresa Guarda 2021-11-17

This book constitutes the refereed proceedings of the First International Conference on Advanced Research in Technologies, Information, Innovation and Sustainability, ARTIIS 2021, held in La Libertad, Ecuador, in November 2021. The 53 full papers and 2 short contributions were carefully reviewed and selected from 155 submissions. The volume covers a variety of topics, such as computer systems organization, software engineering, information storage and retrieval, computing methodologies, artificial intelligence, and others. The papers are logically organized in the following thematic blocks: Computing Solutions; Data Intelligence; Ethics, Security, and Privacy; Sustainability.

Advanced Materials and Engineering Materials - Sally Gao 2012-01-24

This conference provided a platform for the presentation of cutting-edge work in the management of Advanced Materials and Engineering Materials. The 292 papers are grouped into the chapters: 1: Advanced Materials Science, 2: Engineering Research, 3: Materials and Information Technology, 4: Materials Processing Technology, 5: Mechanical and Computer Control, 6: System Analysis and Industrial Engineering, 7: Intelligent Mechatronics and 8: Signal Processing. Volume is indexed by Thomson Reuters CPCI-S (WoS).

Graph-based Keyword Spotting - Stauffer Michael 2019-07-24

Keyword Spotting (KWS) has been proposed as a flexible and more error-tolerant alternative to full transcriptions. In most cases, it allows to retrieve arbitrary query words in handwritten historical document.This comprehensive compendium gives a self-contained preamble and visually attractive description to the field of graph-based KWS. The volume highlights a profound insight into each step of the whole KWS pipeline, viz. image preprocessing, graph representation and graph matching.Written by two world-renowned co-authors, this unique title combines two very current research fields of graph-based pattern recognition and document analysis. The book serves as an attractive teaching material for graduate students, as well as a useful reference text for professionals, academics and researchers.

Nanocharacterization Techniques - Osvaldo de Oliveira, Jr 2017-03-18

Nanocharacterization Techniques covers the main characterization techniques used in nanomaterials and nanostructures. The chapters focus on the fundamental aspects of characterization techniques and their distinctive approaches. Significant advances that have taken place over recent years in refining techniques are covered, and the mathematical foundations needed to use the techniques are also explained in detail. This book is an important reference for materials scientists and engineers looking for a through analysis of nanocharacterization techniques in order to establish which is best for their needs. Includes a detailed analysis of different nanocharacterization techniques, allowing readers to explore which one is best for their particular needs Provides examples of how each characterization technique has been used, giving readers a greater understanding of how each technique can be profitably used Covers the mathematical background needed to utilize each of these techniques to their best effect, meaning that readers can gain a full understanding of the theoretical principles behind each technique covered Serves as an important, go-to reference for materials scientists and engineers

Biomedical Signal Processing - Ganesh Naik 2019-11-12

This book reports on the latest advances in the study of biomedical signal processing, and discusses in detail a number of open problems concerning clinical, biomedical and neural signals. It methodically collects and presents in a unified form the research findings previously scattered throughout various scientific journals and conference proceedings. In addition, the chapters are self-contained and can be read independently. Accordingly, the book will be of interest to university researchers, R&D engineers and graduate students who wish to learn the core principles of biomedical signal analysis, algorithms, and applications, while also offering a valuable reference work for biomedical engineers and clinicians who wish to learn more about the theory and recent applications of neural engineering and biomedical signal processing.

Innovations in Computer Science and Engineering - H. S. Saini 2021-04-23

This book features a collection of high-quality, peer-reviewed research papers presented at the 8th International Conference on Innovations in Computer Science & Engineering (ICICSE 2020), held at Guru Nanak Institutions, Hyderabad, India, on 28–29 August 2020. It covers the latest research in data science and analytics, cloud computing, machine learning, data mining, big data and analytics, information security and privacy, wireless and sensor networks and IoT applications, artificial intelligence, expert systems, natural language processing, image processing, computer vision and artificial neural networks.

2020 Sixth International Conference on E-Learning (econf) - 2020

Security and Privacy in Communication Networks - Songqing Chen 2019-12-10

This two-volume set LNICST 304-305 constitutes the post-conference proceedings of the 15thInternational Conference on Security and Privacy in Communication Networks, SecureComm 2019, held in Orlando, FL, USA, in October 2019. The 38 full and 18 short papers were carefully reviewed and selected from 149 submissions. The papers are organized in topical sections on blockchains, internet of things, machine learning, everything traffic security communicating covertly, let’s talk privacy, deep analysis, systematic theory, bulletproof defenses, blockchains and IoT, security and analytics, machine learning, private, better clouds, ATCS workshop.

2018 International Conference on Biomedical Engineering and Applications (ICBEA) - IEEE Staff 2018-07-09

Contributions are welcome in both theoretical developments and practical implementations in all areas involving Biomedical Engineering Between all contributions presented, two will be selected to receive a best paper award More information in the call for papers ICBEA will

provide an excellent opportunity for presenting new results and to discuss the latest research and developments in the field Participation of young scientists is strongly encouraged A reduced registration fee will be available for students The conference is intended as an international forum where an effective exchange of knowledge and experience amongst researchers active in various theoretical and applied areas can take place Participation of scientists from academia and industry is particularly welcome The program will include also considerable space for promoting new technical applications and developments, real world challenges and success stories