

Reliable Face Recognition Methods System Design Implementation And Evaluation International Series On Biometrics

Recognizing the pretentiousness ways to get this books **reliable face recognition methods system design implementation and evaluation international series on biometrics** is additionally useful. You have remained in right site to start getting this info. acquire the reliable face recognition methods system design implementation and evaluation international series on biometrics link that we allow here and check out the link.

You could buy lead reliable face recognition methods system design implementation and evaluation international series on biometrics or get it as soon as feasible. You could quickly download this reliable face recognition methods system design implementation and evaluation international series on biometrics after getting deal. So, with you require the book swiftly, you can straight get it. Its suitably utterly simple and correspondingly fats, isnt it? You have to favor to in this express

[Handbook of Fingerprint Recognition](#) - Davide Maltoni
2009-04-21
A major new professional

reference work on fingerprint security systems and technology from leading international researchers in the

field. Handbook provides authoritative and comprehensive coverage of all major topics, concepts, and methods for fingerprint security systems. This unique reference work is an absolutely essential resource for all biometric security professionals, researchers, and systems administrators.

Application of Communication Computational Intelligence and Learning - Sangeeta Jadhav
2022-06-21

The special issue is dedicated to National conference on Communication, computational intelligence and learning- NCCCIL sponsored by AICTE and organized by Department of Information Technology at Army Institute of Technology from 12-13 January 2022. This conference gave the collaborative forum to academic experts, researchers and corporate professionals to enrich their knowledge in the automation and analysis of industry and business processes in a smart way. The two day conference included invited talks and paper

presentations focusing on the applications of Computational intelligence, Communication, Machine Learning and Artificial Intelligence.

Reliable Face Recognition Methods - Harry Wechsler
2010-10-18

This book seeks to comprehensively address the face recognition problem while gaining new insights from complementary fields of endeavor. These include neurosciences, statistics, signal and image processing, computer vision, machine learning and data mining. The book examines the evolution of research surrounding the field to date, explores new directions, and offers specific guidance on the most promising venues for future research and development. The book's focused approach and its clarity of presentation make this an excellent reference work.

Online Learning Analytics - Jay Liebowitz
2021-12-14

"In our increasingly digitally enabled education world, analytics used ethically,

strategically, and with care holds the potential to help more and more diverse students be more successful on higher education journeys than ever before. Jay Liebowitz and a cadre of the fields best 'good trouble' makers in this space help shine a light on the possibilities, potential challenges, and the power of learning together in this work."

—Mark David Milliron, Ph.D., Senior Vice President and Executive Dean of the Teachers College, Western Governors University

Due to the COVID-19 pandemic and its aftereffects, we have begun to enter the "new normal" of education. Instead of online learning being an "added feature" of K-12 schools and universities worldwide, it will be incorporated as an essential feature in education. There are many questions and concerns from parents, students, teachers, professors, administrators, staff, accrediting bodies, and others regarding the quality of virtual learning and its impact on student learning outcomes.

Online Learning Analytics is conceived on trying to answer the questions of those who may be skeptical about online learning. Through better understanding and applying learning analytics, we can assess how successful learning and student/faculty engagement, as examples, can contribute towards producing the educational outcomes needed to advance student learning for future generations. Learning analytics has proven to be successful in many areas, such as the impact of using learning analytics in asynchronous online discussions in higher education. To prepare for a future where online learning plays a major role, this book examines: Data insights for improving curriculum design, teaching practice, and learning Scaling up learning analytics in an evidence-informed way The role of trust in online learning. Online learning faces very real philosophical and operational challenges. This book addresses areas of concern about the future of education

and learning. It also energizes the field of learning analytics by presenting research on a range of topics that is broad and recognizes the humanness and depth of educating and learning.

Biometric Authentication
Virginio Cantoni 2014-11-29

This book constitutes the proceedings of the First International Workshop on Biometric Authentication, BIOMET 2014, which was held in Sofia, Bulgaria, in June 2014. The 16 full papers presented in this volume were carefully reviewed and selected from 21 submissions.

Additionally, this volume also contains 5 invited papers. The papers cover a range of topics in the field of gait and behaviour analysis; iris analysis; speech recognition; 3D ear recognition; face and facial attributes analysis; handwriting and signature recognition; and multimodal and soft biometrics.

Universal Access in Human-Computer Interaction: Design and Development Methods for Universal Access Constantine

Stephanidis 2014-05-15

The four-volume set LNCS 8513-8516 constitutes the refereed proceedings of the 8th International Conference on Universal Access in Human-Computer Interaction, UAHCI 2014, held as part of the 16th International Conference on Human-Computer Interaction, HCII 2014, held in Heraklion, Crete, Greece in June 2014, jointly with 14 other thematically similar conferences. The total of 1476 papers and 220 posters presented at the HCII 2014 conferences was carefully reviewed and selected from 4766 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 251 contributions included in the UAHCI proceedings were carefully

reviewed and selected for inclusion in this four-volume set. The 51 papers included in this volume are organized in the following topical sections: design for all methods, techniques, and tools; development methods and tools for universal access; user models, adaption and personalization; natural, multimodal and multisensory interaction and brain-computer interfaces.

Proceedings of 2nd International Conference on Smart Computing and Cyber Security - Prasant Kumar Pattnaik

This book presents high-quality research papers presented at the Second International Conference on Smart Computing and Cyber Security: Strategic Foresight, Security Challenges and Innovation (SMARTCYBER 2021) held during June 16-17, 2021, in the Department of Smart Computing, Kyungdong University, Global Campus, South Korea. The book includes selected works from academics and industrial experts in the

field of computer science, information technology, and electronics and telecommunication. The content addresses challenges of cyber security.

Emerging Methods in Predictive Analytics: Risk Management and Decision-Making - Hsu, William H. 2014-01-31

Decision making tools are essential for the successful outcome of any organization. Recent advances in predictive analytics have aided in identifying particular points of leverage where critical decisions can be made.

Emerging Methods in Predictive Analytics: Risk Management and Decision Making provides an interdisciplinary approach to predictive analytics; bringing together the fields of business, statistics, and information technology for effective decision making. Managers, business professionals, and decision makers in diverse fields will find the applications and cases presented in this text essential in providing new

avenues for risk assessment, management, and predicting the future outcomes of their decisions.

Face Processing - Graham Hole 2010-06-17

'Face Processing' seeks to answer questions such as how we recognise familiar faces, and which factors determine facial attractiveness. Drawing on a wealth of studies and research, it is an essential companion for undergraduates studying face processing as part of a psychology degree.

Human Aspects in Ambient Intelligence Tibor Bosse 2013-09-13

This book presents recent developments in the field of human aspects in Ambient Intelligence. This field, and the associated workshop series, addresses multidisciplinary aspects of AmI with human-directed disciplines such as psychology, social science, neuroscience and biomedical sciences. The aim of the workshop series is to get researchers together from these human-directed disciplines or working on cross

connections of AmI with these disciplines. The focus is on the use of knowledge from these disciplines in AmI applications, in order to support humans in their daily living in medical, psychological and social respects. The book plays an important role to get modellers in the psychological, neurological, social or biomedical disciplines interested in AmI as a high-potential application area for their models. From the other side, the book may make researchers in Computer Science and Artificial and Ambient Intelligence more aware of the possibilities to incorporate more substantial knowledge from the psychological, neurological, social and biomedical disciplines in AmI architectures and applications.

Face Recognition for Real Time Application - Pradeep Kakkar 2017-11-27

Master's Thesis from the year 2017 in the subject Engineering - Computer Engineering, grade: 10, , course: M.Tech-ECE, language:

English, abstract: Images containing faces are essential to intelligent vision-based human computer interaction, and research efforts in face processing include face recognition, face tracking, pose estimation, and expression recognition. The rapidly expanding research in face processing is based on the premise that information about a user's identity, state, and intent can be extracted from images and that computers can then react accordingly, e.g., by knowing person's identity, person may be authenticated to utilize a particular service or not. A first step of any face processing system is registering the locations in images where faces are present. The local binary pattern is a simple yet very efficient texture operator which labels the pixels of an image by thresholding the neighborhood of each pixel and considers the result as a binary number. The LBP method can be seen as a unifying approach to the traditionally divergent statistical and structural

models of texture analysis. Perhaps the most important property of the LBP operator in real-world applications is its invariance against monotonic gray level changes caused, e.g., by illumination variations. Another equally important is its computational simplicity, which makes it possible to analyze images in challenging real-time settings. The success of LBP in face description is due to the discriminative power and computational simplicity of the LBP operator, and the robustness of LBP to monotonic gray scale changes caused by, for example, illumination variations. The use of histograms as features also makes the LBP approach robust to face misalignment and pose variations. For these reasons, the LBP methodology has already attained an established position in face analysis research. Because finding an efficient spatiotemporal representation for face analysis from videos is challenging, most of the existing works limit the scope of the problem by discarding

the facial dynamics and only considering the structure. Motivated by the psychophysical findings which indicate that facial movements can provide valuable information to face analysis, spatiotemporal LBP approaches for face, facial expression and gender recognition from videos were described.

Intelligent Computing Based on Chaos - Ljupco Kocarev
2009-02-03

Chaos is a fascinating phenomenon that has been observed in nature, laboratory, and has been applied in various real-world applications.

Chaotic systems are deterministic with no random elements involved yet their behavior appears to be random. Observations of chaotic behavior in nature include weather and climate, the dynamics of satellites in the solar system, the time evolution of the magnetic field of celestial bodies, population growth in ecology, to mention only a few examples. Chaos has been observed in the

laboratory in a number of systems such as electrical circuits, lasers, chemical reactions, fluid dynamics, mechanical systems, and magneto-mechanical devices. Chaotic behavior has also found numerous applications in electrical and communication engineering, information and communication technologies, biology and medicine. To the best of our knowledge, this is the first book edited on chaos applications in intelligent computing. To access the latest research related to chaos applications in intelligent computing, we launched the book project where researchers from all over the world provide the necessary coverage of the mentioned field. The primary objective of this project was to assemble as much research coverage as possible related to the field by defining the latest innovative technologies and providing the most comprehensive list of research references.

Futuri stic Sustai nabl e Energy & Technol ogy - Rajesh Singh
2022-05-01

Futuristic Sustainable Energy and Technology provides a structured overview of the concept of Futuristic Sustainable Energy and Technology. It also explores the promotion of the sustainable development of renewable energy from the perspectives of technology, modelling, application, sustainability and policy. This book is dedicated to the advancement of energy efficiency to mitigate consumption, ensure and replenish, expand and reuse elective energy supplies, and to replicate the damage caused by previous energy initiatives. This book has offered a large stage of experimentation for practitioners, experts, researchers and teachers to incorporate and analyze their latest developments, as well as the trends and difficulties encountered and the ongoing evolution of the stage in these areas.

Encyclopedia of Biometrics - Stan Z. Li 2009-08-27

With an A-Z format, this encyclopedia provides easy

access to relevant information on all aspects of biometrics. It features approximately 250 overview entries and 800 definitional entries. Each entry includes a definition, key words, list of synonyms, list of related entries, illustration(s), applications, and a bibliography. Most entries include useful literature references providing the reader with a portal to more detailed information.

Dictionary of Computer Vision and Image

Processing - Robert B. Fisher 2013-11-08

Written by leading researchers, the 2nd Edition of the Dictionary of Computer Vision & Image Processing is a comprehensive and reliable resource which now provides explanations of over 3500 of the most commonly used terms across image processing, computer vision and related fields including machine vision. It offers clear and concise definitions with short examples or mathematical precision where necessary for clarity that ultimately makes it a very

usable reference for new entrants to these fields at senior undergraduate and graduate level, through to early career researchers to help build up knowledge of key concepts. As the book is a useful source for recent terminology and concepts, experienced professionals will also find it a valuable resource for keeping up to date with the latest advances. New features of the 2nd Edition: Contains more than 1000 new terms, notably an increased focus on image processing and machine vision terms; Includes the addition of reference links across the majority of terms pointing readers to further information about the concept under discussion so that they can continue to expand their understanding; Now available as an eBook with enhanced content: approximately 50 videos to further illustrate specific terms; active cross-linking between terms so that readers can easily navigate from one related term to another and build up a full picture of the topic in question;

and hyperlinked references to fully embed the text in the current literature.

Image and Signal Processing - Abderrahim Elmoataz
2010-06-09

This book constitutes the refereed proceedings of the 4th International Conference on Image and Signal Processing, ICISP 2010, held in Québec, Canada June 30 - July 2, 2010. The 69 revised full papers were carefully selected from 165 submissions. The papers presented are organized in topical sections on Image Filtering and Coding, Pattern Recognition, Biometry, Signal Processing, Video Coding and Processing, Watermarking and Document Processing, Computer Vision and Biomedical Applications.

InECCE2019 - Ahmad Nor Kasruddin Nasir 2020-03-23

This book presents the proceedings of the 5th International Conference on Electrical, Control & Computer Engineering 2019, held in Kuantan, Pahang, Malaysia, on 29th July 2019. Consisting of two parts, it covers the

conferences' main foci: Part 1 discusses instrumentation, robotics and control, while Part 2 addresses electrical power systems. The book appeals to professionals, scientists and researchers with experience in industry. The conference provided a platform for professionals, scientists and researchers with experience in industry.

Graduate Programs in Engineering & Applied Sciences 2011 (Grad 5) - Peterson's 2011-05-01
Peterson's Graduate Programs in Engineering & Applied Sciences contains a wealth of information on colleges and universities that offer graduate degrees in the fields of Aerospace/Aeronautical Engineering; Agricultural Engineering & Bioengineering; Architectural Engineering, Biomedical Engineering & Biotechnology; Chemical Engineering; Civil & Environmental Engineering; Computer Science & Information Technology; Electrical & Computer Engineering; Energy & Power

engineering; Engineering Design; Engineering Physics; Geological, Mineral/Mining, and Petroleum Engineering; Industrial Engineering; Management of Engineering & Technology; Materials Sciences & Engineering; Mechanical Engineering & Mechanics; Ocean Engineering; Paper & Textile Engineering; and Telecommunications. Up-to-date data, collected through Peterson's Annual Survey of Graduate and Professional Institutions, provides valuable information on degree offerings, professional accreditation, jointly offered degrees, part-time and evening/weekend programs, postbaccalaureate distance degrees, faculty, students, degree requirements, entrance requirements, expenses, financial support, faculty research, and unit head and application contact information. As an added bonus, readers will find a helpful "See Close-Up" link to in-depth program descriptions written by some of these institutions. These Close-Ups

offer detailed information about the specific program or department, faculty members and their research, and links to the program Web site. In addition, there are valuable articles on financial assistance and support at the graduate level and the graduate admissions process, with special advice for international and minority students. Another article discusses important facts about accreditation and provides a current list of accrediting agencies.

Intelligent Tutoring Systems in E-Learning Environments: Design, Implementation and Evaluation Stankov, Slavomir
2010-07-31

"This book addresses intelligent tutoring system (ITS) environments from the standpoint of information and communication technology (ICT) and the recent accomplishments within both the e-learning paradigm and e-learning systems"--Provided by publisher.

[The Sixth International Symposium on Neural Networks \(ISNN 2009\) -](#)

Hongwei Wang 2009-05-03
This volume of *Advances in Soft Computing and Lecture Notes in Computer Science* vols. 5551, 5552 and 5553, constitute the Proceedings of the 6 International Symposium of Neural Networks (ISNN 2009) held in Wuhan, China during May 26-29, 2009. ISNN is a prestigious annual symposium on neural networks with past events held in Dalian (2004), Chongqing (2005), Chengdu (2006), Nanjing (2007) and Beijing (2008). Over the past few years, ISNN has matured into a well-established series of international conference on neural networks and their applications to other fields. Following this tradition, ISNN 2009 provided an academic forum for the participants to disseminate their new research findings and discuss emerging areas of research. Also, it created a stimulating environment for the participants to interact and exchange information on future research challenges and opportunities of neural networks and their

applications. ISSN 2009 received 1,235 submissions from about 2,459 authors in 29 countries and regions (Australia, Brazil, Canada, China, Democratic People's Republic of Korea, Finland, Germany, Hong Kong, Hungary, India, Islamic Republic of Iran, Japan, Jordan, Macao, Malaysia, Mexico, Norway, Qatar, Republic of Korea, Singapore, Spain, Taiwan, Thailand, Tunisia, United Kingdom, United States, Venezuela, Vietnam, and Yemen) across six continents (Asia, Europe, North America, South America, Africa, and Oceania). Based on rigorous reviews by the Program Committee members and reviewers, 95 high-quality papers were selected to be published in this volume.

Security or electronic concentration camp? Persons' identification techniques, errors, consequences - Victor Vrublevski 2014-04-01

The research analyses the following problems: Decision and risk at immigration service (police) work, remote

identification, biometrical systems and identification, probability of identification errors and their consequences, identification algorithms and their implementation, morphological analysis for decision making, practical experiments. Research novelty: the research links up probability, risk theories with their practical application at immigration service work; Tasks of the research: 1) To find out risk factors; 2) to analyse risk impact on decision making; 3) to define risk diminishing factors; 4) to put into practice risk diminishing factors. Research methods: The theoretical ones: To analyse references and service documentation; The practical ones: Observation, surveys, experiments, analysis.

Advances in Face Image Analysis: Techniques and Technologies - Zhang, Yu-Jin 2010-07-31

More than 30 leading experts from around the world provide comprehensive coverage of various branches of face image analysis, making this text a

valuable asset for students, researchers, and practitioners engaged in the study, research, and development of face image analysis techniques.

[Recent Advances in Face Recognition](#) - Kresimir Delac
2008-12-01

The main idea and the driver of further research in the area of face recognition are security applications and human-computer interaction. Face recognition represents an intuitive and non-intrusive method of recognizing people and this is why it became one of three identification methods used in e-passports and a biometric of choice for many other security applications. This goal of this book is to provide the reader with the most up to date research performed in automatic face recognition. The chapters presented use innovative approaches to deal with a wide variety of unsolved issues.

Smart Objects and Technologies for Social Good - Ombretta Gaggi
2017-07-14

This book constitutes the

proceedings of the Second EAI international Conference on Smart Objects and Technologies for Social Good, GOODTECHS 2016, held in Venice, Italy, November 30 - December 1, 2016. The 38 revised full papers were carefully reviewed and selected from 73 submissions. The papers reflect the design, implementation, deployment, operation and evaluation of smart objects and technologies for social good. A social good can be understood as a service that benefits a large number of people in a most possible way. Some classic examples are healthcare, safety, environment, democracy, and human rights, or even art, entertainment, and communication.

Handbook of Face Recognition - Stan Z. Li
2005-12-06

Although the history of computer-aided face recognition stretches back to the 1960s, automatic face recognition remains an unsolved problem and still offers a great challenge to

computer-vision and pattern recognition researchers. This handbook is a comprehensive account of face recognition research and technology, written by a group of leading international researchers. Twelve chapters cover all the sub-areas and major components for designing operational face recognition systems. Background, modern techniques, recent results, and challenges and future directions are considered. The book is aimed at practitioners and professionals planning to work in face recognition or wanting to become familiar with the state-of-the-art technology. A comprehensive handbook, by leading research authorities, on the concepts, methods, and algorithms for automated face detection and recognition. Essential reference resource for researchers and professionals in biometric security, computer vision, and video image analysis.

Advanced Biometrics David Zhang 2017-08-08

This book describes a range of

new biometric technologies, such as high-resolution fingerprint, finger-knuckle-print, multi-spectral backhand, 3D fingerprint, tongueprint, 3D ear, and multi-spectral iris technologies. Further, it introduces readers to efficient feature extraction, matching and fusion algorithms, in addition to developing potential systems of its own. These advanced biometric technologies and methods are divided as follows: 1. High-Resolution Fingerprint Recognition; 2. Finger-Knuckle-Print Verification; 3. Other Hand-Based Biometrics; and 4. New Head-Based Biometrics. Traditional biometric technologies, such as fingerprint, face, iris, and palmprint, have been extensively studied and addressed in many research books. However, all of these technologies have their own advantages and disadvantages, and there is no single type of biometric technology that can be used for all applications. Many new biometric technologies have been

developed in recent years, especially in response to new applications. The contributions gathered here focus on how to develop a new biometric technology based on the requirements of essential applications, and how to design efficient algorithms that yield better performance.

Handbook of Remote

Biometrics - Massimo

Tistarelli 2009-06-02

The development of technologies for the identification of individuals has driven the interest and curiosity of many people.

Spearheaded and inspired by the Bertillon coding system for the classification of humans based on physical measurements, scientists and engineers have been trying to invent new devices and classification systems to capture the human identity from its body measurements.

One of the main limitations of the precursors of today's biometrics, which is still present in the vast majority of the existing biometric systems, has been the need to keep the

device in close contact with the subject to capture the biometric measurements. This clearly limits the applicability and convenience of biometric systems. This book presents an important step in addressing this limitation by describing a number of methodologies to capture meaningful biometric information from a distance. Most materials covered in this book have been presented at the International Summer School on Biometrics which is held every year in Alghero, Italy and which has become a flagship activity of the IAPR Technical Committee on Biometrics (IAPR TC4). The last four chapters of the book are derived from some of the best presentations by the participating students of the school. The educational value of this book is also highlighted by the number of proposed exercises and questions which will help the reader to better understand the proposed topics.

Innovations in Electrical and Electronic Engineering

Mekhilef 2021-05-24

This book presents selected papers from the 2021 International Conference on Electrical and Electronics Engineering (ICEEE 2020), held on January 2-3, 2021. The book focuses on the current developments in various fields of electrical and electronics engineering, such as power generation, transmission and distribution; renewable energy sources and technologies; power electronics and applications; robotics; artificial intelligence and IoT; control, automation and instrumentation; electronics devices, circuits and systems; wireless and optical communication; RF and microwaves; VLSI; and signal processing. The book is a valuable resource for academics and industry professionals alike.

Encyclopedia of Information Science and Technology, Third Edition - Khosrow-Pour, Mehdi 2014-07-31

"This 10-volume compilation of authoritative, research-based articles contributed by thousands of researchers and

experts from all over the world emphasized modern issues and the presentation of potential opportunities, prospective solutions, and future directions in the field of information science and technology"-- Provided by publisher.

Computer Vision - Jinfeng Yang 2017-12-07

This three volume set, CCIS 771, 772, 773, constitutes the refereed proceedings of the CCF Chinese Conference on Computer Vision, CCCV 2017, held in Tianjin, China, in October 2017. The total of 174 revised full papers presented in three volumes were carefully reviewed and selected from 465 submissions. The papers are organized in the following topical sections: biological vision inspired visual method; biomedical image analysis; computer vision applications; deep neural network; face and posture analysis; image and video retrieval; image color and texture; image composition; image quality assessment and analysis; image restoration; image segmentation and

classification; image-based modeling; object detection and classification; object identification; photography and video; robot vision; shape representation and matching; statistical methods and learning; video analysis and event recognition; visual salient detection.

Innovations in Defence Support Systems - 3 Paolo Remagnino
2011-03-04

This book is a continuation of our previous volumes on *Innovations in Defence Support Systems*. This book includes a sample of recent advances in intelligent monitoring. The contributions include:

- Data fusion in modern surveillance
- Distributed intelligent surveillance systems modeling for performance evaluation
- Incremental learning on trajectory clustering
- Pedestrian speed profiles from video sequence
- System-wide tracking of individuals
- A scalable approach based on normality components for intelligent surveillance
- Distributed camera overlap estimation
- Multi-robot team

for environmental monitoring
The book is directed to the security experts, engineers, scientists, students and professors who are interested in intelligent monitoring.

American Book Publishing Record - 2006

Reliable Face Recognition Methods - Harry Wechsler
2009-04-05

This book seeks to comprehensively address the face recognition problem while gaining new insights from complementary fields of endeavor. These include neurosciences, statistics, signal and image processing, computer vision, machine learning and data mining. The book examines the evolution of research surrounding the field to date, explores new directions, and offers specific guidance on the most promising venues for future research and development. The book's focused approach and its clarity of presentation make this an excellent reference work.

Unconstrained Face

Recogniti on Shaohua Kevin
Zhou 2006-10-11

Face recognition has been actively studied over the past decade and continues to be a big research challenge. Just recently, researchers have begun to investigate face recognition under unconstrained conditions. Unconstrained Face Recognition provides a comprehensive review of this biometric, especially face recognition from video, assembling a collection of novel approaches that are able to recognize human faces under various unconstrained situations. The underlying basis of these approaches is that, unlike conventional face recognition algorithms, they exploit the inherent characteristics of the unconstrained situation and thus improve the recognition performance when compared with conventional algorithms. Unconstrained Face Recognition is structured to meet the needs of a professional audience of researchers and practitioners

in industry. This volume is also suitable for advanced-level students in computer science. *Peterson's Graduate Programs in Computer Science & Information Technology, Electrical & Computer Engineering, and Energy & Power Engineering 2011*- Peterson's 2011-05-01 Peterson's Graduate Programs in Computer Science & Information Technology, Electrical & Computer Engineering, and Energy & Power Engineering contains a wealth of information on colleges and universities that offer graduate work these exciting fields. The profiled institutions include those in the United States, Canada and abroad that are accredited by U.S. accrediting bodies. Up-to-date data, collected through Peterson's Annual Survey of Graduate and Professional Institutions, provides valuable information on degree offerings, professional accreditation, jointly offered degrees, part-time and evening/weekend programs, postbaccalaureate distance

degrees, faculty, students, degree requirements, entrance requirements, expenses, financial support, faculty research, and unit head and application contact information. Readers will find helpful links to in-depth descriptions that offer additional detailed information about a specific program or department, faculty members and their research, and much more. In addition, there are valuable articles on financial assistance, the graduate admissions process, advice for international and minority students, and facts about accreditation, with a current list of accrediting agencies.

Face Detection and Recognition Asit Kumar Datta 2015-10-28

Face detection and recognition are the nonintrusive biometrics of choice in many security applications. Examples of their use include border control, driver's license issuance, law enforcement investigations, and physical access control. *Face Detection and Recognition: Theory and*

Practice elaborates on and explains the theory and practice of face de

Multiple Classifier Systems - Carlo Sansone 2011-09-15

This book constitutes the refereed proceedings of the 10th International Workshop on Multiple Classifier Systems, MCS 2011, held in Naples, Italy, in June 2011. The 36 revised papers presented together with two invited papers were carefully reviewed and selected from more than 50 submissions. The contributions are organized into sessions dealing with classifier ensembles; trees and forests; one-class classifiers; multiple kernels; classifier selection; sequential combination; ECOC; diversity; clustering; biometrics; and computer security.

Face Recognition - S. Ramakrishnan 2016-07-06

Pattern recognition has gained significant attention due to the rapid explosion of internet- and mobile-based applications. Among the various pattern recognition applications, face recognition is always being the

center of attraction. With so much of unlabeled face images being captured and made available on internet (particularly on social media), conventional supervised means of classifying face images become challenging. This clearly warrants for semi-supervised classification and subspace projection. Another important concern in face recognition system is the proper and stringent evaluation of its capability. This book is edited keeping all these factors in mind. This book is composed of five chapters covering introduction, overview, semi-supervised classification, subspace projection, and evaluation techniques.

Face Recognition in Adverse Conditions- De Marsico, Maria
2014-04-30

Facial recognition software has improved by leaps and bounds over the past few decades, with error rates decreasing significantly within the past ten years. Though this is true, conditions such as poor lighting, obstructions, and profile-only angles have

continued to persist in preventing wholly accurate readings. Face Recognition in Adverse Conditions examines how the field of facial recognition takes these adverse conditions into account when designing more effective applications by discussing facial recognition under real world PIE variations, current applications, and the future of the field of facial recognition research. The work is intended for academics, engineers, and researchers specializing in the field of facial recognition.

Face Recognition Technologies

- Douglas Yeung 2020-05-15

Face recognition technologies (FRTs) have many practical security-related purposes, but advocacy groups and individuals have expressed apprehensions about their use. This report highlights the high-level privacy and bias implications of FRT systems. The authors propose a heuristic with two dimensions - consent status and comparison type -- to help determine a proposed FRT's level of privacy and accuracy.

They also identify privacy and bias concerns.