A Visual Segmentation Method For Temporal Smart Card Data

Visual Speech Recognition: Lip Segmentation and Mapping
16th International Conference, Athens, Greece, September 10-14, 2006, Proceedings
Hyperspectral Imaging in Agriculture, Food and Environment
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15th International Conference, IPMI'97, Poultney, Vermont, USA, June 9-13, 1997, Proceedings
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4th International Conference, CIVR 2005, Singapore, July 20-22, 2005, Proceedings
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Pattern Recognition. ICPR International Workshops and Challenges
Image Segmentation
Text Mining of Web-Based Medical Content
Proceedings of the 2018 CSPS Volume II: Signal Processing
Advanced Concepts for Intelligent Vision Systems
Advances in Computational Intelligence
Visual Computing for Medicine
Third International Conference, SmartCom 2018, Tokyo, Japan, December 10–12, 2018, Proceedings
11th International Conference, ACIVS 2009 Bordeaux, France, September 28--October 2, 2009 Proceedings
Global Applications of Pervasive and Ubiquitous Computing
Advances in Computer Vision
Imaging, Morphometry, Fluorometry and Motility Techniques and Applications
Image and Video Retrieval

CARLIE DANIELA

Visual Speech Recognition: Lip Segmentation and Mapping Springer Nature
This book presents innovative ideas, cutting-edge findings, and novel techniques, methods, and applications in a broad range of cybersecurity and cyberthreat intelligence areas. As our society becomes smarter, there is a corresponding need to be able to secure our cyberfuture. The approaches and findings described in this book are of interest to businesses and governments seeking to secure our data and underpin infrastructures, as well as to individual users.
16th International Conference, Athens, Greece, September 10-14, 2006, Proceedings Springer
The objective of this Brief is to provide a solution to the unsolved technical problem in segmentation for the automated bone age assessment system. The task is accomplished by first applying the modified histogram equalized module, then applying the proposed automated anisotropic diffusion technique. It is followed by a novel fuzzy quadruple division scheme to optimize the central segmentation algorithm, and then an additional quality assurance scheme. The designed segmentation framework works without demanding scarce resources such as training sets and skillful operators. The results have shown that the designed framework is capable of separating the soft-tissue and background from the hand bone with high accuracy. This Brief should be especially useful for students and professional researchers in the Biomedical and image processing fields.
Hyperspectral Imaging in Agriculture, Food and Environment Springer
It was our great pleasure to host the 4th International Conference on Image and Video Retrieval (CIVR) at the National University of Singapore on 20–22 July 2005. CIVR aims to provide an international forum for the discussion of research challenges and exchange of ideas among researchers and practitioners in image/video retrieval technologies. It addresses innovative research in the broad ?eld of image and video retrieval. A unique feature of this conference is the high level of participation by researchers from both academia and industry. Another unique feature of CIVR this year was in its format – it o?ered both the traditional oral presentation sessions, as well as the short presentation cum poster sessions. The latter provided an informal alternative forum for animated discussions and exchanges of ideas among the participants. We are pleased to note that interest in CIVR has grown over the years. The number of submissions has steadily increased from 82 in 2002, to 119 in 2003, and 125 in 2004. This year, we received 128 submissions from the international communities:with81(63.3%)fromAsiaandAustralia,25(19.5%)fromEurope, and 22 (17.2%) from North America. After a rigorous review process, 20 papers were accepted for oral presentations, and 42 papers were accepted for poster presentations. In addition to the accepted submitted papers, the program also included 4 invited papers, 1 keynote industrial paper, and 4 invited industrial papers. Altogether, we o?ered a diverse and interesting program, addressing the current interests and future trends in this area.
Artificial Intelligence and Soft Computing Springer
The International Symposium on Distributed Computing and Artificial Intel- gence (DCAI´10) is an annual forum that brings together past experience, current work and promising future trends associated with distributed computing, artificial intelligence and their application to provide efficient solutions to real problems. This symposium is organized by the Biomedicine, Intelligent System and Edu- tional Technology Research Group (http://bisite. usal. es/) of the University of - lamanca. The present edition has been held at the Polytechnic University of - lencia, from 7 to 10 September 2010, within the Congreso Español de Informática (CEDI 2010). Technology transfer in this field is still a challenge, with a large gap between academic research and industrial products. This edition of DCAI aims at contributing to reduce this gap, with a stimulating and productive forum where these communities can work towards future cooperation with social and econo- cal benefits. This conference is the forum in which to present application of in- vative techniques to complex problems. Artificial intelligence is changing our - ciety. Its application in distributed environments, such as internet, electronic commerce, environment monitoring, mobile communications, wireless devices, distributed computing, to cite some, is continuously increasing, becoming an e- ment of high added value with social and economic potential, both industry, life quality and research. These technologies are changing constantly as a result of the large research and technical effort being undertaken in universities, companies.
Distributed Computing and Artificial Intelligence MDPI
This book is about the novel aspects and future trends of the hyperspectral imaging in agriculture, food, and environment. The topics covered by this book are hyperspectral imaging and their applications in the nondestructive quality assessment of fruits and vegetables, hyperspectral imaging for assessing quality and safety of meat, multimode hyperspectral imaging for food quality and safety, models fitting to pattern recognition in hyperspectral images, sequential classification of hyperspectral images, graph construction for hyperspectral data unmixing, target visualization method to process hyperspectral image, and soil contamination mapping with hyperspectral imagery. This book is a general reference work for students, professional engineers, and readers with interest in the subject.
15th International Conference, IPMI'97, Poultney, Vermont, USA, June 9-13, 1997, Proceedings Springer
This 8-volumes set constitutes the refereed of the 25th International Conference on Pattern Recognition Workshops, ICPR 2020, held virtually in Milan, Italy and rescheduled to January 10 - 11, 2021 due to Covid-19 pandemic. The 416 full papers presented in these 8 volumes were carefully reviewed and selected from about 700 submissions. The 46 workshops cover a wide range of areas including machine learning, pattern analysis, healthcare, human behavior, environment, surveillance, forensics and biometrics, robotics and egovision, cultural heritage and document analysis, retrieval, and women at ICPR2020.
Lip Segmentation and Mapping Newnes
Visual sensors are able to capture a large quantity of information from the environment around them. A wide variety of visual systems can be found, from the classical monocular systems to omnidirectional, RGB-D, and more sophisticated 3D systems. Every configuration presents some specific characteristics that make them useful for solving different problems. Their range of applications is wide and varied, including robotics, industry, agriculture, quality control, visual inspection, surveillance, autonomous driving, and navigation aid systems. In this book, several problems that employ visual sensors are presented. Among them, we highlight visual SLAM, image retrieval, manipulation, calibration, object recognition, navigation, etc.
Advances in Semantic Media Adaptation and Personalization Springer Science & Business Media
This book proposes a number of promising models and methods for adaptive segmentation, swarm partition, permissible segmentation, and transform properties, as well as techniques for spatio-temporal video segmentation and interpretation, online fuzzy clustering of data streams, and fuzzy systems for information retrieval. The main focus is on the spatio-temporal segmentation of visual information. Sets of meaningful and manageable image or video parts, defined by visual interest or attention to higher-level semantic issues, are often vital to the efficient and effective processing and interpretation of viewable information. Developing robust methods for spatial and temporal partition represents a key challenge in computer vision and computational intelligence as a whole. This book is intended for students and researchers in the fields of machine learning and artificial intelligence, especially those whose work involves image processing and recognition, video parsing, and content-based image/video retrieval.
12th International Conference, HCI International 2007, Beijing, China, July 22-27, 2007, Proceedings, Part IV Springer Science & Business Media

It is with great pleasure that we present the proceedings of the 6th Inter- tional, Symposium on Visual Computing (ISVC 2010), which was held in Las Vegas, Nevada. ISVC provides a common umbrella for the four main areas of visual computing including vision, graphics, visualization, and virtual reality. The goal is to provide a forum for researchers, scientists, engineers, and pr- titioners throughout the world to present their latest research ?ndings, ideas, developments, and applications in the broader area of visual computing. This year, the program consisted of 14 oral sessions, one poster session, 7 special tracks, and 6 keynote presentations. The response to the call for papers was very good; we received over 300 submissions for the main symposium from which we accepted 93 papers for oral presentation and 73 papers for poster p- sentation. Special track papers were solicited separately through the Organizing and Program Committees of each track. A total of 44 papers were accepted for oral presentation and 6 papers for poster presentation in the special tracks.

Visual Sensors Springer

This book is the fifth official archival publication devoted to RoboCup. It documents the achievements presented at the 5th Robot World Cup Soccer Games and Conferences held in Seattle, Washington, USA, in August 2001.The book contains the following parts: introduction, champion teams, challenge award finalists, technical papers, poster presentations, and team descriptions (arranged according to various leagues).This book is mandatory reading for the rapidly growing RoboCup community as well as a valuable source of references and inspiration for R&D professionals interested in multi-agent systems, distributed artificial intelligence, and intelligent robotics.

Handbook of Research on Advanced Techniques in Diagnostic Imaging and Biomedical Applications IGI Global

Visual Speech Recognition: Lip Segmentation and MappingLip Segmentation and MappingIGI Global

Segmentation Analytics with SAS Viya Springer

The two-volume set LNAI 12468 and 12469 constitutes the proceedings of the 19th Mexican International Conference on Artificial Intelligence, MICAI 2020, held in Mexico City, Mexico, in October 2020. The total of 77 papers presented in these two volumes was carefully reviewed and selected from 186 submissions. The contributions are organized in topical as follows: Part I: machine and deep learning, evolutionary and metaheuristic algorithms, and soft computing. Part II: natural language processing, image processing and pattern recognition, and intelligent applications and robotics.

7th International Symposium Springer

As technology continues to play a vital role in our everyday lives, advancements in human-computer interaction studies embrace ubiquitous computing as a tool for information processing to evolve into the human environment. Global Applications of Pervasive and Ubiquitous Computing provides the global applications and efforts in building and applying pervasive and ubiquitous computer technology. This book provides an essential collection of research on information technology for educators, researchers, and practitioners aiming to advance the practice and understanding of pervasive and ubiquitous applications.

Volume 4: Methods in Diagnosis Optimization BoD – Books on Demand

This book constitutes the refereed proceedings of the 14th Australian Joint Conference on Artificial Intelligence, AI 2001, held in Adelaide, Australia, in December 2001.The 55 revised full papers presented together with one invited contribution were carefully reviewed and selected from a total of 100 submissions. The papers cover the whole range of artificial intelligence from theoretical and foundational issues to advanced applications in a variety of fields.

Applications and Techniques in Cyber Intelligence Springer Science & Business Media

Visual Computing for Medicine, Second Edition, offers cutting-edge visualization techniques and their applications in medical diagnosis, education, and treatment. The book includes algorithms, applications, and ideas on achieving reliability of results and clinical evaluation of the techniques covered. Preim and Botha illustrate visualization techniques from research, but also cover the information required to solve practical clinical problems. They base the book on several years of combined teaching and research experience. This new edition includes six new chapters on treatment planning, guidance and training; an updated appendix on software support for visual computing for medicine; and a new global structure that better classifies and explains the major lines of work in the field. Complete guide to visual computing in medicine, fully revamped and updated with new developments in the field Illustrated in full color Includes a companion website offering additional content for professors, source code, algorithms, tutorials, videos, exercises, lessons, and more

Multiple Perspectives on a Living Archive Springer

It was estimated that 80% of the information received by human is visual. Image processing is evolving fast and continually. During the past 10 years, there has been a significant research increase in image segmentation. To study a specific object in an image, its boundary can be highlighted by an image segmentation procedure. The objective of the image segmentation is to simplify the representation of pictures into meaningful information by partitioning into image regions. Image segmentation is a technique to locate certain objects or boundaries within an image. There are many algorithms and techniques have been developed to solve image segmentation problems, the research topics in this book such as level set, active contour, AR time series image modeling, Support Vector Machines, Pixon based image segmentations, region similarity metric based technique, statistical ANN and JSEG algorithm were written in details. This book brings together many different aspects of the current research on several fields associated to digital image segmentation. Four parts allowed gathering the 27 chapters around the following topics: Survey of Image Segmentation Algorithms, Image Segmentation methods, Image Segmentation Applications and Hardware Implementation. The readers will find the contents in this book enjoyable and get many helpful ideas and overviews on their own study.

Digital Image Analysis of Microbes Springer Nature

There has been an exponential explosion in the production and consumption of video online and yet there is a scarcity of knowledge and cases about video and the digital archive. This book seeks to address that through the lens of the project Circus Oz Living Archive. This project provides the case study foundation for the articulation of the issues, challenges and possibilities that the design and development of digital archives afford. Drawn from eight different disciplines and professions, the authors explore what it means to embrace the possibilities of digital technologies to transform contemporary cultural institutions and their archives into new methods of performance, representation and history.

11th International Conference, ICAISA 2012, Zakopane, Poland, April 29 - 3 May, 2012, Proceedings, Part II IGI Global

This book presents the selected results of the 1st International Symposium on Applied Computers and Information Technology (ACIT 2013) held on August 31 – September 4, 2013 in Matsue City, Japan, which brought together researchers, scientists, engineers, industry practitioners and students to discuss all aspects of Applied Computers & Information Technology and its practical challenges. This book includes the best 12 papers presented at the conference, which were chosen based on review scores submitted by members of the program committee and underwent further rigorous rounds of review.

Information Processing in Medical Imaging Walter de Gruyter GmbH & Co KG

This scholarly set of well-harmonized volumes provides indispensable and complete coverage of the exciting and evolving subject of medical imaging systems. Leading experts on the international scene tackle the latest cutting-edge techniques and technologies in an in-depth but eminently clear and readable approach. Complementing and intersecting one another, each volume offers a comprehensive treatment of substantive importance to the subject areas. The chapters, in turn, address topics in a self-contained manner with authoritative introductions, useful summaries, and detailed reference lists. Extensively well-illustrated with figures throughout, the five volumes as a whole achieve a unique depth and breath of coverage. As a cohesive whole or independent of one another, the volumes may be acquired as a set or individually.

Signal Processing of Power Quality Disturbances Springer

Providing specific knowledge in the theory of image analysis, optics, fluorescence, and imaging devices in biomedical laboratories, this timely and indispensable volume focuses on the theory and applications of detection, morphometry, and motility measurement techniques applied to bacteria, fungi, yeasts and protozoa.