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Computer Vision – ECCV 2022 - Shai Avidan 2022-12-04
The 39-volume set, comprising the LNCS books 13661 until 13699, constitutes the refereed proceedings of the 17th European Conference on Computer Vision, ECCV 2022, held in Tel Aviv, Israel, during October 23–27, 2022. The 1645 papers presented in these proceedings were carefully reviewed and selected from a total of 5804 submissions. The papers deal with topics such as computer vision; machine learning; deep neural networks; reinforcement learning; object recognition; image classification; image processing; object detection; semantic segmentation; human pose estimation; 3d reconstruction; stereo vision; computational photography; neural networks; image coding; image reconstruction; object recognition; motion estimation.

Whitaker's Cumulative Book List - 1951

Journal - Association of American Medical Colleges 1935

Mind as Machine - Margaret A. Boden 2006
The development of cognitive science is one of the most remarkable and fascinating intellectual achievements of the modern era. It brings together psychology, neuroscience, artificial intelligence, computing, philosophy, linguistics, and anthropology in the project of understanding the mind by modelling its workings. Oxford University Press now presents a masterful history of cognitive science, told by one of its most eminent practitioners.

3D Computer Vision - Christian Wöhler 2012-07-23
This indispensable text introduces the foundations of three-dimensional computer vision and describes recent contributions to the field. Fully revised and updated, this much-anticipated new edition reviews a range of triangulation-based methods, including linear and bundle adjustment based approaches to scene reconstruction and camera calibration, stereo vision, point cloud segmentation, and pose estimation of rigid, articulated, and flexible objects. Also covered are intensity-based techniques that evaluate the pixel grey values in the image to infer three-dimensional scene structure, and point spread function based approaches that exploit the effect of the optical system. The text shows how methods which integrate these concepts are able to increase reconstruction accuracy and robustness, describing applications in industrial quality inspection and metrology, human-robot interaction, and remote sensing.

The Psychologist - 1991

National Union Catalog - 1977
Includes entries for maps and atlases.

Computer Vision – ECCV 2018 Workshops - Laura Leal-Taixé

2019-01-22

The six-volume set comprising the LNCS volumes 11129-11134 constitutes the refereed proceedings of the workshops that took place in conjunction with the 15th European Conference on Computer Vision, ECCV 2018, held in Munich, Germany, in September 2018.43 workshops from 74 workshops proposals were selected for inclusion in the proceedings. The workshop topics present a good orchestration of new trends and traditional issues, built bridges into neighboring fields, and discuss fundamental technologies and novel applications.

Advances in Information Technology - Borworn Papasratorn 2013-12-09

This book constitutes the proceedings of the 6th International Conference on Advances in Information Technology, IAIT 2013, held in Bangkok, Thailand, in December 2013. The 23 revised papers presented in this volume were carefully reviewed and selected from numerous submissions. They deal with all areas related to applied information technology.

Social Signal Processing - Judee K. Burgoon 2017-05-08

Social Signal Processing is the first book to cover all aspects of the modeling, automated detection, analysis, and synthesis of nonverbal behavior in human-human and human-machine interactions. Authoritative surveys address conceptual foundations, machine analysis and synthesis of social signal processing, and applications. Foundational topics include affect perception and interpersonal coordination in communication; later chapters cover technologies for automatic detection and understanding such as computational paralinguistics and facial expression analysis and for the generation of artificial social signals such as social robots and artificial agents. The final section covers a broad spectrum of applications based on social signal processing in healthcare, deception detection, and digital cities, including detection of developmental diseases and analysis of small groups. Each chapter offers a basic introduction to its topic, accessible to students and other newcomers, and then outlines challenges and future perspectives for the benefit of experienced researchers and practitioners

in the field.

Advances in Visual Informatics - Halimah Badioze Zaman 2015-10-26

This book constitutes the refereed proceedings of the Fourth International Conference on Advances in Visual Informatics, IVIC 2015, held in Bangi, Malaysia, in November 2015. The five keynotes and 45 papers presented were carefully reviewed and selected from 82 initial submissions. The papers are organized in four tracks on visualization and big data; machine learning and computer vision; computer graphics; as well as virtual reality.

National Library of Medicine Current Catalog - National Library of Medicine (U.S.) 1965

Pattern Recognition and Computer Vision - Jian-Huang Lai 2018-11-02

The four-volume set LNCS 11056, 110257, 11258, and 11073 constitutes the refereed proceedings of the First Chinese Conference on Pattern Recognition and Computer Vision, PRCV 2018, held in Guangzhou, China, in November 2018. The 179 revised full papers presented were carefully reviewed and selected from 399 submissions. The papers have been organized in the following topical sections: Part I: Biometrics, Computer Vision Application. Part II: Deep Learning. Part III: Document Analysis, Face Recognition and Analysis, Feature Extraction and Selection, Machine Learning. Part IV: Object Detection and Tracking, Performance Evaluation and Database, Remote Sensing.

Biometric Authentication - Davide Maltoni 2004-09-21

Biometric authentication is increasingly gaining popularity in a large spectrum ofapplications,rangingfromgovernmentprograms(e. g. ,nationalIDcards,visas for international travel,and the ?ght against terrorism) to personal applications such as logical and physical access control. Although a number of e?ective - lutions are currently available, new approaches and techniques are necessary to overcomesomeofthelimitationsofcurrentsystemsandtoopenupnewfrontier s in biometric research and development. The 30 papers presented at Biometric Authentication Workshop 2004 (BioAW 2004) provided a

snapshot of current research in biometrics, and identify some new trends. This volume is composed of?vesections:facerecognition,?ngerprintrecognition,templateprotectionand security, other biometrics, and fusion and multimodal biometrics. For classical biometrics like ?ngerprint and face recognition, most of the papers in Sect. 1 and 2 address robustness issues in order to make the biometric systems work in suboptimal conditions: examples include face detection and recognition - der uncontrolled lighting and pose variations, and ?ngerprint matching in the case of severe skin distortion. Benchmarking and interoperability of sensors and liveness detection are also topics of primary interest for ?ngerprint-based s- tems. Biometrics alone is not the solution for complex security problems. Some of the papers in Sect. 3 focus on designing secure systems; this requires dealing with safe template storage, checking data integrity, and implementing solutions in a privacy-preserving fashion. The match-on-tokens approach, provided that current accuracy and cost limitations can be satisfactorily solved by using new algorithms and hardware, is certainly a promising alternative. The use of new biometric indicators like eye movement, 3D ?nger shape, and soft traits (e. g.

American Book Publishing Record Cumulative, 1950-1977: Author index - R.R. Bowker Company. Department of Bibliography 1978

Issues in Surgical Research, Techniques, and Innovation: 2013 Edition - 2013-05-01

Issues in Surgical Research, Techniques, and Innovation: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Surgical Infections. The editors have built Issues in Surgical Research, Techniques, and Innovation: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Surgical Infections in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Surgical Research, Techniques, and Innovation: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research

institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Computer-Graphic Facial Reconstruction - John G. Clement 2005-07-02

This unique books looks at a cost-efficient, fast and accurate means of facial reconstruction--from segmented, decomposed, or skeletal remains--using computer-graphic and computational means. Computer-Graphic Facial Reconstruction is designed as a valuable resource for those scientists designing new research projects and protocols, as well as a practical handbook of methods and techniques for medico-legal practitioners who actually identify the faceless victims of crime. It looks at a variety of approaches: artificial intelligence using neural networks, case-based reasoning, Baysian belief systems, along with a variety of imaging methods: radiological, CT, MRI and the use of imaging devices. The methods described in this book complement, or may even replace, the less-reliable, more traditional means of securing identification by presumptive means, i.e., recognition of clothing, personal effects and clay reconstruction. - Covers cutting-edge technologies in the context of historical forensic reconstruction methods - Features stellar authors from around the globe - Bridges the areas of computer graphics, animation, and forensic anthropology

British National Bibliography for Report Literature - 2002-10

Human Computer Interaction Using Hand Gestures - Prashan Premaratne 2014-03-20

Human computer interaction (HCI) plays a vital role in bridging the 'Digital Divide', bringing people closer to consumer electronics control in the 'lounge'. Keyboards and mouse or remotes do alienate old and new generations alike from control interfaces. Hand Gesture Recognition systems bring hope of connecting people with machines in a natural way. This will lead to consumers being able to use their hands naturally to

communicate with any electronic equipment in their 'lounge.' This monograph will include the state of the art hand gesture recognition approaches and how they evolved from their inception. The author would also detail his research in this area for the past 8 years and how the future might turn out to be using HCI. This monograph will serve as a valuable guide for researchers (who would endeavour into) in the world of HCI.

Textbook of Plastic and Reconstructive Surgery - Deepak K. Kalaskar 2016-08-02
Written by experts from London's renowned Royal Free Hospital, Textbook of Plastic and Reconstructive Surgery offers a comprehensive overview of the vast topic of reconstructive plastic surgery and its various subspecialties for introductory plastic surgery and surgical science courses. The book comprises five sections covering the fundamental principles of plastic surgery, cancer, burns and trauma, paediatric plastic surgery and aesthetic surgery, and covers the breadth of knowledge that students need to further their career in this exciting field. Additional coverage of areas in which reconstructive surgery techniques are called upon includes abdominal wall reconstruction, ear reconstruction and genital reconstruction. A chapter on aesthetic surgery includes facial aesthetic surgery and blepharoplasty, aesthetic breast surgery, body contouring and the evolution of hair transplantation.The broad scope of this volume and attention to often neglected specialisms such as military plastic surgery make this a unique contribution to the field. Heavily illustrated throughout, Textbook of Plastic and Reconstructive Surgery is essential reading for anyone interested in furthering their knowledge of this exciting field. This book was produced as part of JISC's Institution as e-Textbook Publisher project. Find out more at
https://www.jisc.ac.uk/rd/projects/institution-as-e-textbook-publisher
Depth Map and 3D Imaging Applications: Algorithms and Technologies - Malik, Aamir Saeed 2011-11-30
Over the last decade, significant progress has been made in 3D imaging research. As a result, 3D imaging methods and techniques are being employed for various applications, including 3D television, intelligent robotics, medical imaging, and stereovision. Depth Map and 3D Imaging Applications: Algorithms and Technologies present various 3D algorithms developed in the recent years and to investigate the application of 3D methods in various domains. Containing five sections, this book offers perspectives on 3D imaging algorithms, 3D shape recovery, stereoscopic vision and autostereoscopic vision, 3D vision for robotic applications, and 3D imaging applications. This book is an important resource for professionals, scientists, researchers, academics, and software engineers in image/video processing and computer vision.

Neural and Stochastic Methods in Image and Signal Processing - 1992

Multimedia Storage and Retrieval Innovations for Digital Library Systems - Wei, Chia-Hung 2012-04-30
"This book offers the latest research on retrieval and storage methods for digital library systems, a burgeoning field of data sourcing"--Provided by publisher.

Graphics Recognition: Algorithms and Systems - International Workshop on Graphics Recognition 1998-04-08
This book constitutes the strictly refereed post-workshop proceedings of the Second International Workshop on Graphics Recognition, GREC'97, held in Nancy, France, in August 1997. The 34 thoroughly revised full papers presented were carefully selected for inclusion in the book on the basis of a second round of post-workshop reviewing. The book is divided into sections on vectorization and segmentation, symbol recognition, form processing, map processing, engineering drawings, applications and systems, performance evaluation, and a graphics recognition contest.

Computer Vision -- ACCV 2014 - Daniel Cremers 2015-04-16
The five-volume set LNCS 9003--9007 constitutes the thoroughly refereed post-conference proceedings of the 12th Asian Conference on Computer Vision, ACCV 2014, held in Singapore, Singapore, in November 2014. The total of 227 contributions presented in these

volumes was carefully reviewed and selected from 814 submissions. The papers are organized in topical sections on recognition; 3D vision; low-level vision and features; segmentation; face and gesture, tracking; stereo, physics, video and events; and poster sessions 1-3.

Handbook of Research on Consumption, Media, and Popular Culture in the Global Age - Ozgen, Ozlen 2019-05-15

The mass production and diversification of media have accelerated the development of popular culture. This has started a new trend in consumerism of desiring new consumption objects and devaluing those consumption objects once acquired, thus creating a constant demand for new items. Pop culture now canalizes consumerism both with advertising and the marketing of consumerist lifestyles, which are disseminated in the mass media. The Handbook of Research on Consumption, Media, and Popular Culture in the Global Age discusses interdisciplinary perspectives on media influence and consumer impacts in a globalizing world due to modern communication technology. Featuring research on topics such as consumer culture, communication ethics, and social media, this book is ideally designed for managers, marketers, researchers, academicians, and students.

3D Echocardiography - Takahiro Shiota 2020-12-30

Since the publication of the second edition of this volume, 3D echocardiography has penetrated the clinical arena and become an indispensable tool for patient care. The previous edition, which was highly commended at the British Medical Book Awards, has been updated with recent publications and improved images. This third edition has added important new topics such as 3D Printing, Surgical and Transcatheter Management, Artificial Valves, and Infective Endocarditis. The book begins by describing the principles of 3D echocardiography, then proceeds to discuss its application to the imaging of • Left and Right Ventricle, Stress Echocardiography • Left Atrium, Hypertrophic Cardiomyopathy • Mitral Regurgitation with Surgical and Nonsurgical Procedures • Mitral Stenosis and Percutaneous Mitral Valvuloplasty • Aortic Stenosis with TAVI / TAVR • Aortic and Tricuspid Regurgitation • Adult Congenital Heart Disease, Aorta • Speckle Tracking, Cardiac

Masses, Atrial Fibrillation KEY FEATURES • One-click view of high-resolution 3D/2D images and movies in a supplemental eBook • In-depth clinical experiences of the use of 3D/2D echo by world experts • Latest findings to demonstrate clinical values of 3D over 2D echo

Biometric Technology for Human Identification - 2007

3D Bioprinting for Reconstructive Surgery - Daniel Thomas 2017-11-14

3D Bioprinting for Reconstructive Surgery: Techniques and Applications examines the combined use of materials, procedures and tools necessary for creating structural tissue constructs for reconstructive purposes. Offering a broad analysis of the field, the first set of chapters review the range of biomaterials which can be used to create 3D-printed tissue constructs. Part Two looks at the techniques needed to prepare biomaterials and biological materials for 3D printing, while the final set of chapters examines application-specific examples of tissues formed from 3D printed biomaterials. 3D printing of biomaterials for tissue engineering applications is becoming increasingly popular due to its ability to offer unique, patient-specific parts—on demand—at a relatively low cost. This book is a valuable resource for biomaterials scientists, biomedical engineers, practitioners and students wishing to broaden their knowledge in the allied field. Discusses new possibilities in tissue engineering with 3D printing Presents a comprehensive coverage of the materials, techniques and tools needed for producing bioprinted tissues Reviews emerging technologies in addition to commercial techniques

Manufacturing Engineering Handbook, Second Edition - Hwaiyu Geng 2015-10-22

The new edition of this professional resource reveals how to optimize all aspects of the global manufacturing process to build the highest quality goods at the lowest price in the shortest possible time. How can one apply technical and business knowledge to develop a strategic plan that delivers increased productivity, quality, sustainability, reliability, agility, resilience, and best practices with rapid time to production and value? The answers are found in the fully updated new edition of Manufacturing

Engineering Handbook. The goal of this second edition is to provide the essential knowledge needed to build products with the highest quality at the lowest cost in the least amount of time by optimizing all aspects of the manufacturing process—design, development, tools, processes, quality, speed, output, safety, and sustainability. You will gain access to information on conventional and modern technologies, manufacturing processes, and operations management that will assist you in achieving these goals. The book is written by a team of more than 100 internationally renowned manufacturing engineering experts, and pared down from its original 1200 pages. The new and vastly improved second edition is specifically designed to concisely and succinctly cover traditional manufacturing processes and advanced technologies as well as newer manufacturing software and systems to integrate them into the modern, global manufacturing world. Brand-new chapters on: eco-design and sustainability; nano materials and nano manufacturing; facilities planning; operations research New sections on plastics, composites, and moldmaking; global manufacturing and supply chain management Increased coverage of Design for Six Sigma and adaptive manufacturing Affiliated web site with color illustrations, graphs, charts, discussions on future trends, additional technical papers, and suggestions for further reading

Workbook for Organic Chemistry - Jerry Jenkins 2009-12-25
With authors who are both accomplished researchers and educators, Vollhardt and Schore's Organic Chemistry is proven effective for making contemporary organic chemistry accessible, introducing cutting-edge research in a fresh, student-friendly way. A wealth of unique study tools help students organize and understand the substantial information presented in this course. And in the sixth edition, the themes of understanding reactivity, mechanisms, and synthetic analysis to apply chemical concepts to realistic situations has been strengthened. New applications of organic chemistry in the life sciences, industrial practices, green chemistry, and environmental monitoring and clean-up are incorporated. This edition includes more than 100 new or substantially revised problems, including new problems on synthesis and green

chemistry, and new "challenging" problems.
Graphics Recognition - 1997

Software Engineering and Computer Systems, Part I - Jasni Mohamad Zain 2011-06-28
This Three-Volume-Set constitutes the refereed proceedings of the Second International Conference on Software Engineering and Computer Systems, ICSECS 2011, held in Kuantan, Malaysia, in June 2011. The 190 revised full papers presented together with invited papers in the three volumes were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on software engineering; network; bioinformatics and e-health; biometrics technologies; Web engineering; neural network; parallel and distributed; e-learning; ontology; image processing; information and data management; engineering; software security; graphics and multimedia; databases; algorithms; signal processing; software design/testing; e-technology; ad hoc networks; social networks; software process modeling; miscellaneous topics in software engineering and computer systems.

Biostereometric Technology and Applications - R. E. Herron 1991

Advances in Intelligent Computing - De-Shuang Huang 2005-09-16
The International Conference on Intelligent Computing (ICIC) was set up as an annual forum dedicated to emerging and challenging topics in the various aspects of advances in computational intelligence fields, such as artificial intelligence, machine learning, bioinformatics, and computational biology, etc. The goal of this conference was to bring together researchers from academia and industry as well as practitioners to share ideas, problems and solutions related to the multifaceted aspects of intelligent computing. This book constitutes the proceedings of the International Conference on Intelligent Computing (ICIC 2005), held in Hefei, Anhui, China, during August 23–26, 2005. ICIC 2005 received over 2000 submissions from authors in 39 countries and regions. Based on rigorous peer reviews, the Program Committee

selected 563 high-quality papers for presentation at ICIC 2005; of these, 215 papers were published in this book organized into 9 categories, and the other 348 papers were published in five international journals. The organizers of ICIC 2005 made great efforts to ensure the success of this conference. We here thank the members of the ICIC 2005 Advisory Committee for their guidance and advice, the members of the Program Committee and the referees for reviewing the papers, and the members of the Publication Committee for checking and compiling the papers. We would also like to thank the publisher, Springer, for their support in publishing the proceedings in the Lecture Notes in Computer Science series. Particularly, we would like to thank all the authors for contributing their papers.

Publications Combined - Over 100 Studies In Nanotechnology With Medical, Military And Industrial Applications 2008-2017 -

Over 7,300 total pages ... Just a sample of the contents: Title : Multifunctional Nanotechnology Research Descriptive Note : Technical Report,01 Jan 2015,31 Jan 2016 Title : Preparation of Solvent-Dispersible Graphene and its Application to Nanocomposites Descriptive Note : Technical Report Title : Improvements To Micro Contact Performance And Reliability Descriptive Note : Technical Report Title : Delivery of Nanotethered Therapies to Brain Metastases of Primary Breast Cancer Using a Cellular Trojan Horse Descriptive Note : Technical Report,15 Sep 2013,14 Sep 2016 Title : Nanotechnology-Based Detection of Novel microRNAs for Early Diagnosis of Prostate Cancer Descriptive Note : Technical Report,15 Jul 2016,14 Jul 2017 Title : A Federal Vision for Future Computing: A Nanotechnology-Inspired Grand Challenge Descriptive Note : Technical Report Title : Quantifying Nanoparticle Release from Nanotechnology: Scientific Operating Procedure Series: SOP C 3 Descriptive Note : Technical Report Title : Synthesis, Characterization And Modeling Of Functionally Graded Multifunctional Hybrid Composites For Extreme Environments Descriptive Note : Technical Report,15 Sep 2009,14 Mar 2015 Title : Equilibrium Structures and Absorption Spectra for SixOy Molecular Clusters using Density Functional Theory Descriptive Note : Technical Report Title :

Nanotechnology for the Solid Waste Reduction of Military Food Packaging Descriptive Note : Technical Report,01 Apr 2008,01 Jan 2015 Title : Magneto-Electric Conversion of Optical Energy to Electricity Descriptive Note : Final performance rept. 1 Apr 2012-31 Mar 2015 Title : Surface Area Analysis Using the Brunauer-Emmett-Teller (BET) Method: Standard Operating Procedure Series: SOP-C Descriptive Note : Technical Report,30 Sep 2015,30 Sep 2016 Title : Stabilizing Protein Effects on the Pressure Sensitivity of Fluorescent Gold Nanoclusters Descriptive Note : Technical Report Title : Theory-Guided Innovation of Noncarbon Two-Dimensional Nanomaterials Descriptive Note : Technical Report,14 Feb 2012,14 Feb 2016 Title : Deterring Emergent Technologies Descriptive Note : Journal Article Title : The Human Domain and the Future of Army Warfare: Present as Prelude to 2050 Descriptive Note : Technical Report Title : Drone Swarms Descriptive Note : Technical Report,06 Jul 2016,25 May 2017 Title : OFFSETTING TOMORROW'S ADVERSARY IN A CONTESTED ENVIRONMENT: DEFENDING EXPEDITIONARY ADVANCE BASES IN 2025 AND BEYOND Descriptive Note : Technical Report Title : A Self Sustaining Solar-Bio-Nano Based Wastewater Treatment System for Forward Operating Bases Descriptive Note : Technical Report,01 Feb 2012,31 Aug 2017 Title : Radiation Hard and Self Healing Substrate Agnostic Nanocrystalline ZnO Thin Film Electronics Descriptive Note : Technical Report,26 Sep 2011,25 Sep 2015 Title : Modeling and Experiments with Carbon Nanotubes for Applications in High Performance Circuits Descriptive Note : Technical Report Title : Radiation Hard and Self Healing Substrate Agnostic Nanocrystalline ZnO Thin Film Electronics (Per5 E) Descriptive Note : Technical Report,01 Oct 2011,28 Jun 2017 Title : High Thermal Conductivity Carbon Nanomaterials for Improved Thermal Management in Armament Composites Descriptive Note : Technical Report Title : Emerging Science and Technology Trends: 2017-2047 Descriptive Note : Technical Report Title : Catalysts for Lightweight Solar Fuels Generation Descriptive Note : Technical Report,01 Feb 2013,31 Jan 2017 Title : Integrated Real-Time Control and Imaging System for Microbiorobotics and Nanobiostructures Descriptive

Note : Technical Report,01 Aug 2013,31 Jul 2014
Who's who in European Research and Development - 1997

Visual Form 2001 - Carlo Arcelli 2003-06-29
This book constitutes the refereed proceedings of the 4th International Workshop on Visual Form, IWVF-4, held in Capri, Italy, in May 2001. The 66 revised full papers presented together with seven invited papers were carefully reviewed and selected from 117 submissions. The book covers theoretical and applicative aspects of visual form processing. The papers are organized in topical sections on representation, analysis, recognition, modelling and retrieval, and applications.
Presence and Beyond: Evaluating User Experience in AR/MR/VR - Richard Skarbez 2022-10-03

Science Diplomacy and Sustainable Development: Perspectives from Latin America - Milena Serafim 2021-10-22