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**Jeng-Shyang Pan,Akinori Ito,Pei-Wei
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Computer Vision -- ACCV 2014 Daniel Cremers,Ian Reid,Hideo Saito,Ming-Hsuan Yang,2015-04-15 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

Computer Vision - ACCV 2014 Workshops C.V. Jawahar,Shiguang Shan,2015-04-10 The three volume set consisting of LNCS 9008 9009 and 9010 contains carefully reviewed and selected papers presented at 15 workshops held in conjunction with the 12th Asian Conference on Computer Vision ACCV 2014 in Singapore in November 2014 The 153 full papers presented were selected from numerous submissions LNCS 9008 contains the papers selected for the Workshop on Human Gait and Action Analysis in the Wild the Second International Workshop on Big Data in 3D Computer Vision the Workshop on Deep Learning on Visual Data the Workshop on Scene Understanding for Autonomous Systems and the Workshop on Robust Local Descriptors for Computer Vision LNCS 9009 contains the papers selected for the Workshop on Emerging Topics on Image Restoration and Enhancement the First International Workshop on Robust Reading the Second Workshop on User Centred Computer Vision the International Workshop on Video Segmentation in Computer Vision the Workshop My Car Has Eyes Intelligent Vehicle with Vision Technology the Third Workshop on E Heritage and the Workshop on Computer Vision for Affective Computing LNCS 9010 contains the papers selected for the Workshop on Feature and Similarity for Computer Vision the Third International Workshop on Intelligent Mobile and Egocentric Vision and the Workshop on Human Identification for Surveillance

Advances in Neural Networks - ISNN 2014 Zhigang Zeng,Yangmin Li,Irwin King,2014-11-28 The volume LNCS 8866 constitutes the refereed proceedings of the 11th International Symposium on Neural Networks ISNN 2014 held in Hong Kong and Macao China on November December 2014 The 71 revised full papers presented were carefully reviewed and selected from 119 submissions These papers cover all major topics of the theoretical research empirical study and applications of neural networks research as follows The focus is on following topics such as analysis modeling and applications

Information and Communication Technology
Linawati,Made Sudiana Mahendra,Erich J. Neuhold,A Min Tjoa,Ilseun You,2014-03-25 This book constitutes the refereed proceedings of the Second IFIP TC 5 8 International Conference on Information and Communication Technology ICT Eur Asia 2014 with the collocation of Asia ARES 2014 as a special track on Availability Reliability and Security held in Bali Indonesia in April 2014 The 70 revised full papers presented were carefully reviewed and selected from numerous submissions The papers have been organized in the following topical sections applied modeling and simulation mobile computing advanced urban scale ICT applications semantic web and knowledge management cloud computing image processing software

engineering collaboration technologies and systems e learning data warehousing and data mining e government and e health biometric and bioinformatics systems network security dependable systems and applications privacy and trust management cryptography multimedia security and dependable systems and applications *Social Informatics* Luca Maria Aiello, Daniel McFarland, 2015-02-27 This book constitutes the proceedings of the Workshops held at the International Conference on Social Informatics SocInfo 2014 which took place in Barcelona Spain in November 2014 This year SocInfo 2014 included nine satellite workshops the City Labs Workshop the Workshop on Criminal Network Analysis and Mining CRIMENET the Workshop on Interaction and Exchange in Social Media DYAD the Workshop on Exploration of Games and Gamers EGG the Workshop on HistoInformatics the Workshop on Socio Economic Dynamics Networks and Agent based Models SEDNAM the Workshop on Social Influence SI the Workshop on Social Scientists Working with Start Ups and the Workshop on Social Media in Crowdsourcing and Human Computation SoHuman **Virtual, Augmented and Mixed Reality. Design and Interaction**

Jessie Y. C. Chen, Gino Fragomeni, 2020-07-10 The 2 volume set of LNCS 12190 and 12191 constitutes the refereed proceedings of the 12th International Conference on Virtual Augmented and Mixed Reality VAMR 2020 which was due to be held in July 2020 as part of HCI International 2020 in Copenhagen Denmark The conference was held virtually due to the COVID 19 pandemic A total of 1439 papers and 238 posters have been accepted for publication in the HCII 2020 proceedings from a total of 6326 submissions The 71 papers included in these HCI 2020 proceedings were organized in topical sections as follows Part I design and user experience in VAMR gestures and haptic interaction in VAMR cognitive psychological and health aspects in VAMR robots in VAMR Part II VAMR for training guidance and assistance in industry and business learning narrative storytelling and cultural applications of VAMR VAMR for health well being and medicine

Informatics, Networking and Intelligent Computing Jiaxing Zhang, 2015-05-06 This proceedings volume contains selected papers presented at the 2014 International Conference on Informatics Networking and Intelligent Computing held in Shenzhen China Contributions cover the latest developments and advances in the field of Informatics Networking and Intelligent Computing **Advanced Machine Learning Technologies and Applications** Aboul Ella Hassanien, Mohamed Tolba, Ahmad Taher Azar, 2014-11-04 This book constitutes the refereed proceedings of the Second International Conference on Advanced Machine Learning Technologies and Applications AMLTA 2014 held in Cairo Egypt in November 2014 The 49 full papers presented were carefully reviewed and selected from 101 initial submissions The papers are organized in topical sections on machine learning in Arabic text recognition and assistive technology recommendation systems for cloud services machine learning in watermarking authentication and virtual machines features extraction and classification rough fuzzy sets and applications fuzzy multi criteria decision making Web based application and case based reasoning construction social networks and big data sets *Printed Electronics* Zheng Cui, 2016-04-12 This book provides an overview of the newly emerged and highly interdisciplinary field of printed electronics Provides an overview of the latest developments and

research results in the field of printed electronics Topics addressed include organic printable electronic materials inorganic printable electronic materials printing processes and equipments for electronic manufacturing printable transistors printable photovoltaic devices printable lighting and display encapsulation and packaging of printed electronic devices and applications of printed electronics Discusses the principles of the above topics with support of examples and graphic illustrations Serves both as an advanced introductory to the topic and as an aid for professional development into the new field Includes end of chapter references and links to further reading

Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications Eduardo Bayro-Corrochano, Edwin Hancock, 2014-10-23 This book constitutes the refereed proceedings of the 19th Iberoamerican Congress on Pattern Recognition CIARP 2014 held in Puerto Vallarta Jalisco Mexico in November 2014 The 115 papers presented were carefully reviewed and selected from 160 submissions The papers are organized in topical sections on image coding processing and analysis segmentation analysis of shape and texture analysis of signal speech and language document processing and recognition feature extraction clustering and classification pattern recognition and machine learning neural networks for pattern recognition computer vision and robot vision video segmentation and tracking

Genetic Programming Miguel Nicolau, Krzysztof Krawiec, Malcolm I. Heywood, Mauro Castelli, Pablo García-Sánchez, Juan J. Merelo, Victor Manuel Rivas Santos, Kevin Sim, 2014-08-21 The book constitutes the refereed proceedings of the 17th European Conference on Genetic Programming Euro GP 2014 held in Grenada Spain in April 2014 co located with the Evo 2014 events Evo BIO Evo COP Evo MUSART and Evo Applications The 15 revised full papers presented together with 5 poster papers were carefully reviewed and selected from 40 submissions The wide range of topics in this volume reflects the current state of research in the field Thus we see topics as diverse as search based software engineering image analysis dynamical systems evolutionary robotics and operational research to the foundations of search as characterized through semantic variation operators

Recent Advances in Intelligent Information Hiding and Multimedia Signal Processing Jeng-Shyang Pan, Akinori Ito, Pei-Wei Tsai, Lakhmi C. Jain, 2018-11-10 This book features papers presented at IIH MSP 2018 the 14th International Conference on Intelligent Information Hiding and Multimedia Signal Processing The scope of IIH MSP included information hiding and security multimedia signal processing and networking and bio inspired multimedia technologies and systems The book discusses subjects related to massive image video compression and transmission for emerging networks advances in speech and language processing recent advances in information hiding and signal processing for audio and speech signals intelligent distribution systems and applications recent advances in security and privacy for multimodal network environments multimedia signal processing and machine learning Presenting the latest research outcomes and findings it is suitable for researchers and students who are interested in the corresponding fields IIH MSP 2018 was held in Sendai Japan on 26-28 November 2018 It was hosted by Tohoku University and was co sponsored by the Fujian University of Technology in China the Taiwan Association for Web Intelligence Consortium in Taiwan and the

Swinburne University of Technology in Australia as well as the Fujian Provincial Key Laboratory of Big Data Mining and Applications Fujian University of Technology and the Harbin Institute of Technology Shenzhen Graduate School in China

Computational Forensics Utpal Garain, Faisal Shafait, 2015-06-26 This book constitutes the refereed post conference proceedings of the 5th and 6th International Workshops on Computational Forensics IWCF 2012 and IWCF 2014 held in Tsukuba Japan in November 2010 and August 2014 The 16 revised full papers and 1 short paper were carefully selected from 34 submissions during a thorough review process The papers are divided into three broad areas namely biometrics document image inspection and applications

Expanding Boundaries: Systems Thinking in the Built Environment Guillaume Habert, Arno Schlueter, 2016-08-15 Consuming over 40% of total primary energy the built environment is in the centre of worldwide strategies and measures towards a more sustainable future To provide resilient solutions a simple optimisation of individual technologies will not be sufficient In contrast whole system thinking reveals and exploits connections between parts Each system interacts with others on different scales materials components buildings cities and domains ecology economy and social Whole system designers optimize the performance of such systems by understanding interconnections and identifying synergies The more complete the design integration the better the result In this book the reader will find the proceedings of the 2016 Sustainable Built Environment SBE Regional Conference in Zurich Papers have been written by academics and practitioners from all continents to bring forth the latest understanding on systems thinking in the built environment

Stochastic Computing: Techniques and Applications Warren J. Gross, Vincent C. Gaudet, 2019-02-18 This book covers the history and recent developments of stochastic computing Stochastic computing SC was first introduced in the 1960s for logic circuit design but its origin can be traced back to von Neumann's work on probabilistic logic In SC real numbers are encoded by random binary bit streams and information is carried on the statistics of the binary streams SC offers advantages such as hardware simplicity and fault tolerance Its promise in data processing has been shown in applications including neural computation decoding of error correcting codes image processing spectral transforms and reliability analysis There are three main parts to this book The first part comprising Chapters 1 and 2 provides a history of the technical developments in stochastic computing and a tutorial overview of the field for both novice and seasoned stochastic computing researchers In the second part comprising Chapters 3 to 8 we review both well established and emerging design approaches for stochastic computing systems with a focus on accuracy correlation sequence generation and synthesis The last part comprising Chapters 9 and 10 provides insights into applications in machine learning and error control coding

Applications of Evolutionary Computation Anna I. Esparcia-Alcázar, Antonio M. Mora, 2014-11-28 This book constitutes the thoroughly refereed post conference proceedings of the International Conference on the Applications of Evolutionary Computation EvoApplications 2014 held in Granada Spain in April 2014 colocated with the Evo 2014 events EuroGP EvoCOP and EvoMUSART The 79 revised full papers presented were carefully reviewed and selected from 128

submissions EvoApplications 2014 consisted of the following 13 tracks EvoCOMNET nature inspired techniques for telecommunication networks and other parallel and distributed systems EvoCOMPLEX evolutionary algorithms and complex systems EvoENERGY evolutionary computation in energy applications EvoFIN evolutionary and natural computation in finance and economics EvoGAMES bio inspired algorithms in games EvoIASP evolutionary computation in image analysis signal processing and pattern recognition EvoINDUSTRY nature inspired techniques in industrial settings EvoNUM bio inspired algorithms for continuous parameter optimization EvoPAR parallel implementation of evolutionary algorithms EvoRISK computational intelligence for risk management security and defence applications EvoROBOT evolutionary computation in robotics EvoSTOC evolutionary algorithms in stochastic and dynamic environments and EvoBio EC and related techniques in bioinformatics and computational biology

Enterprise Information Systems José Cordeiro, Slimane Hammoudi, Leszek Maciaszek, Olivier Camp, Joaquim Filipe, 2015-07-30 This book contains extended and revised papers from the 16th International Conference on Enterprise Information Systems ICEIS 2014 held in Lisbon Portugal in April 2014 The 24 papers presented in this volume were carefully reviewed and selected from a total of 313 submissions The book also contains two full paper invited talks The selected papers reflect state of the art research that is oriented toward real world applications and highlight the benefits of information systems and technology for industry and services They are organized in topical sections on databases and information systems integration artificial intelligence and decision support systems information systems analysis and specification software agents and Internet computing human computer interaction and enterprise architecture

Pattern Recognition Shutao Li, Chenglin Liu, Yaonan Wang, 2014-11-05 The two volume set CCIS 483 and CCIS 484 constitutes the refereed proceedings of the 6th Chinese Conference on Pattern Recognition CCPR 2014 held in Changsha China in November 2014 The 112 revised full papers presented in two volumes were carefully reviewed and selected from 225 submissions The papers are organized in topical sections on fundamentals of pattern recognition feature extraction and classification computer vision image processing and analysis video processing and analysis biometric and action recognition biomedical image analysis document and speech analysis pattern recognition applications

Computer Vision - ECCV 2020 Andrea Vedaldi, Horst Bischof, Thomas Brox, Jan-Michael Frahm, 2020-09-23 The 30 volume set comprising the LNCS books 12346 until 12375 constitutes the refereed proceedings of the 16th European Conference on Computer Vision ECCV 2020 which was planned to be held in Glasgow UK during August 23-28 2020 The conference was held virtually due to the COVID 19 pandemic The 1360 revised papers presented in these proceedings were carefully reviewed and selected from a total of 5025 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

Neural Information

Processing Chu Kiong Loo, Yap Keem Siah, Kok Wai Wong, Andrew Teoh Beng Jin, Kaizhu Huang, 2014-10-21 The three volume set LNCS 8834 LNCS 8835 and LNCS 8836 constitutes the proceedings of the 20th International Conference on Neural Information Processing ICONIP 2014 held in Kuching Malaysia in November 2014 The 231 full papers presented were carefully reviewed and selected from 375 submissions The selected papers cover major topics of theoretical research empirical study and applications of neural information processing research The 3 volumes represent topical sections containing articles on cognitive science neural networks and learning systems theory and design applications kernel and statistical methods evolutionary computation and hybrid intelligent systems signal and image processing and special sessions intelligent systems for supporting decision making processes theories and applications cognitive robotics and learning systems for social network and web mining

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