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Pei Dong (University of Sydney & Beijing University of Technology, Australia); Yong Xia (University of Sydney, Australia); Zhuo Li (Beijing University of Technology, P.R. China); Dagan Feng (The University of Sydney, Australia)
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Ketan Tang (Hong Kong University of Science and Technology, Hong Kong); Oscar C. Au (HKUST, Hong Kong); Lu Fang (Hong Kong University of Science and Technology, Hong Kong); Zhiding Yu (Hong Kong University of Science and Technology & Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, Hong Kong); Yuanfang Guo (Hong Kong University of Science and Technology, Hong Kong)
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Object Detection Using Discriminative Photogrammetric Context
Yuanliu Liu (Xi'an Jiaotong University, P.R. China)
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Omer Aköz (Yildiz Technical University, Turkey); Elif Karslıgil (Yildiz Technical University, Turkey)
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Piotr Koniusz (University of Surrey, United Kingdom); Krystian Mikolajczyk (University of Surrey, United Kingdom)
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Jing Liu (Institute of Automation, Chinese Academy of Sciences, P.R. China); Chunjie Zhang (Institute of Automation, Chinese Academy of Sciences, P.R. China); Qi Tian (University of Texas at San Antonio, USA); Changsheng Xu (Institute of Automation, Chinese Academy of Sciences & China-Singapore Institute of Digital Media, P.R. China); Hanqing Lu (the Institute of Automation, Chinese Academy of Sciences, P.R. China); Songde Ma (Institute of Automation, Chinese Academy of Sciences, P.R. China)
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Linear SVM Classification Using Boosting HOG Features for Vehicle Detection in Low-Altitude Airborne Videos
Xianbin Cao (Beihang University, P.R. China); Changxia Wu (University of Science and Technology of China, P.R. China); Pingkun Yan (Chinese Academy of Sciences, P.R. China); Xuelong Li (Xi'an Institute of Optics and Precision Mechanics, Chinese Academy of Sciences, P.R. China)
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TP.PG: Image Retrieval (Poster)
Semantic Clusters Based Manifold Ranking for Image Retrieval
Ran Chang (Utah State University, USA); Xiaojun Qi (Utah State University, USA)
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Browsing Catalogue Graphs: Content Caching Supercharged!!
Jacob Chakareski (EPFL, Switzerland)
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MPEG-7 Compliant Generalized Structure Descriptor for Still Image Indexing
Constantin Vertan (University Politehnica of Bucharest, Romania); Marta Zamfir (Tessera Technologies, Inc., Romania); Alexandru Drimbaean (Tessera Ireland, Ireland); Adrian Zamfir (Tessera Technologies, Inc., Romania)
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Key Frame Extraction From Consumer Videos Using Sparse Representation
Mrityunjay Kumar (Eastman Kodak Company, USA); Alexander Loui (Eastman Kodak Company, USA)
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On the Use of Conceptual Information in a Concept-Based Image Indexing and Retrieval Framework
Radi Jarrar (MONASH University, Malaysia); Mohammed Belkhatir (CNRS Lyon, France); Chris Messom (MONASH University, Malaysia)
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Improving Image Tag Recommendation Using Favorite Image Context
Wonyong Eom (Korea Advanced Institute of Science and Technology, Korea); Sihyoung Lee (Korea Advanced Institute of Science and Technology, Korea); Wesley Marcel De Neve (Korea Advanced Institute of Science and Technology (KAIST), Korea); Yong Man Ro (KAIST, Korea)
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Query Sensitive Dynamic Web Video Thumbnail Generation
Chunxi Liu (Graduate University of Chinese Academy of Sciences, CAS, P.R. China); Qingming Huang (Graduate School of Chinese Academy of Sciences, P.R. China); Shuqiang Jiang (Institute of Computing Technology, Chinese Academy of Sciences, Beijing, P.R. China)
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Graph-Based Multiple-Instance Learning with Instance Weighting for Image Retrieval
Fei Li (Fujitsu Research and Development Center Co., Ltd., P.R. China); Rujie Liu (Fujitsu Research & Development Co., Ltd, P.R. China)
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Image Database Categorization Using Robust Unsupervised Learning of Finite Generalized Dirichlet Mixture Models
Mohamed Ben Ismail (University of Louisville, USA); Hichem Frigui (University of Louisville, USA)
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Weakly Supervised Locality Sensitive Hashing for Duplicate Image Retrieval
Cao Yudong (Beijing University of Posts and Telecommunications, P.R. China); Zhang Honggang (Beijing University of Posts and Telecommunications, P.R. China); Jun Guo (BUPT, P.R. China)
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Fast Common Visual Pattern Detection Via Radiate Geometric Model
Lingyang Chu (Institute of Computing Technology, Chinese Academy of Science, P.R. China); Shuqiang Jiang (Institute of Computing Technology, Chinese Academy of Sciences, Beijing, P.R. China); Qingming Huang (Graduate School of Chinese Academy of Sciences, P.R. China)
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A Novel Image Importance Model for Content-Aware Image Resizing
Wonjun Kim (Korea Advanced Institute of Science and Technology (KAIST), Korea)
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Multi-Keyframe Abstraction From Videos
Ping Li (The Chinese University of Hong Kong, Hong Kong); Yanwen Guo (Nanjing University, P.R. China); H. Q. Sun (The Chinese University of Hong Kong, P.R. China)
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Select Informative Features for Recognition
Zixuan Wang (Stanford University, USA)
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A Balanced Semi-supervised Hashing Method for CBIR
Jianhui Zhou (Dalian University of Technology, P.R. China); Haiyan Fu (Dalian University of Technology, P.R. China); Xiangwei Kong (Dalian University of Technology, P.R. China)
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Wednesday, September 14

WA.L1: Recent Advances in Web-scale Image Annotation (Special Session)

Learning the Trip Suggestion From Landmark Photos on the Web
Rongrong Ji (Columbia University, P.R. China); Ling-Yu Duan (Peking University, P.R. China); Jie Chen (Peking University, P.R. China); Shuang Yang (Peking University, P.R. China); Hongxun Yao (Harbin Institute of Technology, P.R. China); Tiejun Huang (Peking University, P.R. China); Wen Gao (ICT-ISVISION Joint R&D Laboratory for Face Recognition, CAS, P.R. China)
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Online Vicept Learning for Web-Scale Image Understanding
Liang Li (Institute of Computing Technology, Chinese Academy of Sciences, P.R. China); Shuqiang Jiang (Institute of Computing Technology, Chinese Academy of Sciences, Beijing, P.R. China); Qingming Huang (Graduate School of Chinese Academy of Sciences, P.R. China)
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Representative Sampling with Certainty Propagation for Image Retrieval
Jian Cheng (Chinese Academy of Sciences, P.R. China); Biao Niu (Institute of Automation, Chinese Academy of Sciences, P.R. China); Hanqing Lu (the Institute of Automation, Chinese Academy of Sciences, P.R. China)
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Learning Semantic Embedding At a Large Scale
Min-Hsuan Tsai (University of Illinois at Urbana-Champaign, USA); Jinjun Wang (Epson Research and Development, USA); Tong Zhang (Rutgers University, USA);
Yihong Gong (NEC Labs American, USA); Thomas S Huang (University of Illinois at Urbana-Champaign, USA)
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Descriptive Local Feature Groups for Image Classification
Lei Yu (Institute of Automation?Chinese Academy of Sciences, P.R. China); Jing Liu (Institute of Automation, Chinese Academy of Sciences, P.R. China); Changsheng Xu (Institute of Automation, Chinese Academy of Sciences & China-Singapore Institute of Digital Media, P.R. China)
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WA.L2: Video Quality Assessment (Lecture)

A Spatiotemporal Most-Apparent-Distortion Model for Video Quality Assessment
Phong Vu (Oklahoma State University, USA); Cuong Vu (Oklahoma State University, USA); Damon Chandler (Oklahoma State University, USA)
pp. 2505-2508

Spatio-temporal Quality Pooling Accounting for Transient Severe Impairments and Egomotion
Jin. C. Park (Yonsei University, Korea); Kalpana Seshadrinathan (Intel, USA); Sanghoon Lee (Yonsei University, Korea); Alan C Bovik (University of Texas at Austin, USA)
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Machine Learning Based Modeling of Spatial and Temporal Factors for Video Quality Assessment
Manish Narwaria (Nanyang Technological University, Singapore); Weisi Lin (Nanyang Technological University, Singapore)
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A Novel Full-Reference Video Quality Metric and Its Application to Wireless Video Transmission
Yang Peng (Technische Universität München, Germany); Eckehard Steinbach (Munich University of Technology, Germany)
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3D-DCT Based Perceptual Quality Assessment of Stereo Video
Una Jin (Tampere University of Technology, Finland); Atanas BOev (Tampere University of Technology, Finland); Atanas Gotchev (Tampere University of Technology, Finland); Karen Egiazarian (Tampere University of Technology, Finland)
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A Perceptual Quality Assessment Metric Using Temporal Complexity and Disparity Information for Stereoscopic Video
Munchurl Kim (Korea Advanced Institute of Science and Technology, Korea)
pp. 2525-2528
WA.L3: Copy and Near-Duplicate Detection (Lecture)

Commercial Mining Based on Temporal Recurrence Hashing Algorithm and Bag-Of-Fingerprints Model
Xiaomeng Wu (National Institute of Informatics, Japan); Shin'ichi Satoh (National Institute of Informatics, Japan)
pp. 2529-2532

Copy Detection Towards Semantic Mining for Video Retrieval
Shikui Wei (Beijing Jiaotong University & Nanyang Technological University, P.R. China); Yao Zhao (Beijing Jiaotong University, P.R. China); Changsheng Xu (Institute of Automation, Chinese Academy of Sciences & China-Singapore Institute of Digital Media, P.R. China); Xu Dong (Powerlayer Microsystems, P.R. China)
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Salient Covariance for Near-duplicate Image and Video Detection
Ligang Zheng (Sun Yat-sen University, P.R. China); Guoping Qiu (University of Nottingham, United Kingdom); Jiwu Huang (Sun Yat-sen University, P.R. China); Hao Fu (University of Nottingham, United Kingdom)
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Shape Context Based Image Hashing Using Local Feature Points
Xudong Lv (University of British Columbia, Canada); Z. Jane Wang (University of British Columbia, Canada)
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PKUBench: A Context Rich Mobile Visual Search Benchmark
Rongrong Ji (Columbia University, P.R. China); Ling-Yu Duan (Peking University, P.R. China); Jie Chen (Peking University, P.R. China); Shuang Yang (Peking University, P.R. China); Tiejun Huang (Peking University, P.R. China); Hongxun Yao (Harbin Institute of Technology, P.R. China); Wen Gao (ICT-ISVISION Joint R&D Laboratory for Face Recognition, CAS, P.R. China)
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Fast Face Sequence Matching in Large-scale Video Databases
Hung Thanh Vu (University of Science & University of Science, Ho Chi Minh city, Vietnam); Thanh Duc Ngo (The Graduate University for Advanced Studies, Japan); Thao-Ngoc Nguyen (University of Science, Vietnam); Duy-Dinh Le (National Institute of Informatics, Japan); Shin'ichi Satoh (National Institute of Informatics, Japan); Le Bac (University of Science, Vietnam); Anh Duc Duong (University of Science, VNU-HCM, Vietnam)
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WA.L4: Image Denoising (Lecture)

Patch-based Locally Optimal Denoising
Priyam Chatterjee (Pelican Imaging Corporation, USA); Peyman Milanfar (University of California, Santa Cruz, USA)
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Nonlinear Curvelet Diffusion for Noisy Image Enhancement
Ying Li (Northwestern Polytechnical University, P.R. China); Huijun Ning (Northwestern Polytechnical University, P.R. China); Yanning Zhang (Northwestern Polytechnical University, P.R. China); David Dagan Feng (University of Sydney & Hong Kong Polytechnic University, Australia)
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MMSE Nonlocal Means Denoising Algorithm for Poisson Noise Removal
Chul Lee (Korea University, Korea); Chulwoo Lee (Korea University, Korea); Chang-Su Kim (Korea University, Korea)
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Learning a Wavelet Tree for Multichannel Image Denoising
Zhen James Xiang (Princeton University, USA); Zhuo Zhang (Princeton University, USA); Pingmei Xu (Princeton University, USA); Peter Ramadge (Princeton University, USA)
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Robust Sparse Image Denoising
Radovan Obradovic (RT-RK Novi Sad, Serbia); Marko Janev (Mathematical Institute of the Serbian Academy of Sciences and Arts, Serbia); Borislav Antic (University of Heidelberg, Germany); Vladimir Crnojević (Novi Sad, Serbia); Nemanja Petrovic (University of Novi Sad, Serbia)
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Video Denoising Based on Transform Domain Minimum Mean Square Error
Dai (Hong Kong University of Science and Technology, Hong Kong); Oscar C. Au (HKUST, Hong Kong); Chao Pang (Hong Kong University of Science and Technology, Hong Kong); Feng Zou (Hong Kong University of Science and Technology, Hong Kong)
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WA.L5: 3D Video Processing and Rendering (Lecture)

Scribble Based Interactive 3D Reconstruction Via Scene Co-segmentation
Adarsh Kowdle (Cornell University, USA); Yao-Jen Chang (Cornell University, USA); Dhruv Batra (Carnegie Mellon University, USA); Tsuhan Chen (Cornell University, USA)
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Adaptive Plenoptic Sampling
Christopher Gilliam (Imperial College London, United Kingdom); Pier Luigi Dragotti (Imperial College London, United Kingdom); Mike Brookes (Imperial College London, United Kingdom)
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Efficient Depth Blurring with Occlusion Handling
Timothy Popkin (Vision Semantics Ltd & Queen Mary University of London, United Kingdom); Andrea Cavallaro (Queen Mary, University of London, United Kingdom); David Hands (British Telecommunications plc, United Kingdom)
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A New Multidirectional Extrapolation Hole-Filling Method for Depth-Image-Based Rendering
Lai Man Po (City University of Hong Kong, Hong Kong); Shihang Zhang (Shenzhen Graduate School of Peking University, P.R. China); Xuyuan Xu (City University of Hong Kong, Hong Kong); Yuesheng Zhu (Shenzhen Graduate School, Peking University, P.R. China)
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Parameterization and Appearance Preserving on Cubic Cells for 3D Digital Preservation of Cultural Heritage
Karl Apaza-Agüero (Universidade Federal do Paraná, Brazil); Luciano Silva (Universidade Federal do Paraná, Brazil); Olga R Bellon (Universidade Federal do Paraná & IMAGO Research Group, Brazil)
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Can 3D Synthesized Views Be Reliably Assessed Through Usual Subjective and Objective Evaluation Protocols?
Emilie Bosc (Institut National des Sciences Appliquées de Rennes (INSA de Rennes), France); Martin Köppel (Fraunhofer Institut for Telecommunications, Heinrich-Hertz-Institut, Germany); Romuald Pépion (IRCCyN, Université de Nantes, France); Muriel Pressigout (IETR / INSA de Rennes, France); Luce Morin (INSA-Rennes, France); Patrick Ndjiki-Nya (Fraunhofer-Gesellschaft, Germany); Patrick Le Callet (IRCCyN, France)
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WA.L6: Exploiting and Analyzing Text in Electronic Images (Lecture)

Mobile Visual Search on Printed Documents Using Text and Low Bit-Rate Features
Sam S Tsai (Stanford University, USA); Huizhong Chen (Stanford University, USA); David M Chen (Stanford University, USA); Georg Schröth (Technische Universität München, Germany); Radek Grzeszczuk (Nokia Research Center, USA); Bernd Girod (Stanford University, USA)
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A New Hybrid Method to Detect Text in Natural Scene
Gang Zhou (Xi'an Jiaotong University, P.R. China); Yuehu Liu (Xi'an Jiaotong University, P.R. China); Zhiqiang Tian (Xi'an Jiaotong University, P.R. China); Yuanqi Su (Xi'an Jiaotong University, P.R. China)
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Robust Text Detection in Natural Images with Edge-enhanced Maximally Stable Extremal Regions
Huizhong Chen (Stanford University, USA); Sam S Tsai (Stanford University, USA); Georg Schröth (Technische Universität München, Germany); David M Chen (Stanford University, USA)
Handwritten Connected Digits Detection: An Approach Using Instance Selection  
Cristiano Pereira (Federal University of Pernambuco & Federal Institute of Pernambuco, Brazil); George D. C. Cavalcanti (Federal University of Pernambuco, Brazil)  
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A Robust Skew Detection Method Based on Maximum Gradient Difference and R-signature  
Mehdi Felhi (University Nancy 2 & Océ - Canon Group, France); Nicolas Bonnier (Océ - Canon Group, France); Salvatore Tabbone (University Nancy 2, France)  
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Automated Image Quality Assessment for Camera-Captured OCR  
Xujun Peng (BBN Technologies, USA); Huaigu Cao (Raytheon BBN Technologies, USA); Krishna Subramanian (Raytheon BBN Technologies, USA); Rohit Prasad (BBN Technologies, USA); Premkumar Natarajan (BBN Technologies, USA)  
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Progressive Correlation Noise Refinement for Transform Domain Wyner-Ziv Video Coding  
Juan Song (State Key Lab. of Integrated Service Networks, Xidian University, P.R. China); Keyan Wang (State Key Lab. of Integrated Service Networks, Xidian University, P.R. China); Haiying Liu (State Key Lab. of Integrated Service Networks, Xidian University, P.R. China); Yunsong Li (Xidan University, P.R. China); Chengke Wu (State Key Laboratory of ISN, XIDIAN University, P.R. China)  
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Fahmi Khalifa (Bioimaging Laboratory & University of Louisville, Louisville, KY, USA); Garth Beache (Diagnostic Radiology Department, USA); Georgy Gimel'farb (University of Auckland, USA); Ayman Sabry El-Baz, PhD (University of Louisville, USA)
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Fernando López-Mir (Universidad Politécnica de Valencia & Instituto Interuniversitario de Investigación en Bioingeniería y Tecnología Orientada al ser Humano, Spain); Valery Naranjo (Universidad Politécnica de Valencia, Spain); Jesús Angulo (MINES ParisTech, France); Eliseo Villanueva (Universidad Politécnica de Valencia, Spain); Mariano Alcaniz (Universidad Politécnica de Valencia, Spain); Susana López-Celada (Hospital Clínica Benidorm, Unidad Resonancia Magnética, INNSCANER, Spain)
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Fabio A. M. Cappabianco (Federal University of São Paulo & Universidade Federal de São Paulo, Brazil); Jaime Ide (Federal University of São Paulo, Brazil); Alexandre Falcão (Institute of Computing, University of Campinas, Brazil); Chiang-shan Li (Yale University, USA)
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Matthew J Nitzken (University of Louisville & Bioimaging Laboratory, USA); Manuel Casanova (University of Louisville, USA); Georgy Gimel'farb (University of Auckland, USA); Ahmed Elnakib (Bioimaging Lab, USA); Fahmi Khalifa (Bioimaging Laboratory & University of Louisville, Louisville, KY, USA); Andy Switala (University of Louisville, USA); Ayman Sabry El-Baz, PhD (University of Louisville, USA)
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