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Zhiguo Cao
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Contents

vii	Conference Committee
ix	Introduction

PATTERN RECOGNITION AND COMPUTER VISION

8919 02	Change detection based on auto-encoder model for VHR images [8919-32] Y. Xu, S. Xiang, C. Huo, C. Pan, National Lab. of Pattern Recognition (China)
8919 03	A robust feature-based registration method of multimodal image using phase congruency and coherent point drift [8919-92] R. Xia, Shenyang Institute of Automation (China) and Key Lab. of Opto-Electronic Information Processing (China); J. Zhao, Shenyang Institute of Automation (China); Y. Liu, Shenyang Institute of Automation (China) and Key Lab. of Opto-Electronic Information Processing (China)
8919 04	The study on the feedback of large scale content-based video retrieval [8919-100] X. Qi, National Network and New Media Technology Research Ctr. (China); D. Liu, Univ. of Science and Technology of China (China); J. Wang, National Network and New Media Technology Research Ctr. (China) and Univ. of Science and Technology of China (China)
8919 05	BP network for atorvastatin effect evaluation from ultrasound images features classification [8919-15] M. Fang, X. Yang, Y. Liu, H. Xu, H. Liang, Y. Wang, M. Ding, Huazhong Univ. of Science and Technology (China)
8919 06	Saliency detection based on manifold learning [8919-25] Z. Yang, D. Li, J. Wang, X. Li, Huazhong Univ. of Science and Technology (China)
8919 07	Cloud detection based on HSI color space and SWT from high resolution color remote sensing imagery [8919-26] Z. Chen, T. Deng, H. Zhou, S. Luo, Huazhong Univ. of Science and Technology (China)
8919 08	Three-dimensional reconstruction using ISAR sequences [8919-56] G. Li, Y. Liu, L. Wu, S. Xu, Z. Chen, National Univ. of Defense Technology (China)
8919 09	The clustering algorithm of marine environment vector field data based on "Velocity-Direction" histogram [8919-68] J. Zhang, X. Tang, L. Jiang, National Univ. of Defense Technology (China)
8919 0A	Salient region detection Using Wasserstein distance measure based on nonlinear scale space [8919-27] L. Zhu, Huazhong Univ. of Science and Technology (China) and Wuhan Univ. of Science and Technology (China); Z. Cao, Huazhong Univ. of Science and Technology (China)

- 8919 OB **Star sensor calibration based on interior-exterior parameters and error compensation** [8919-28]
S. Liu, J. Ma, F. Yan, Y. Zhu, J. Tian, Huazhong Univ. of Science and Technology (China); W. Fu, China Aerospace Science and Industry Corp. (China)
- 8919 OC **Template match using local feature with view invariance** [8919-29]
C. Lu, G. Zhou, Huazhong Univ. of Science and Technology (China)
- 8919 OD **Face recognition under variable illumination via sparse representation of patches** [8919-60]
S. Fan, R. Liu, W. Feng, M. Zhu, Univ. of Science and Technology of China (China)
- 8919 OE **Statistics of the number of students in the classroom based on frequency domain analysis and seat detection** [8919-73]
X. Wei, R. Liu, W. Zhang, M. Zhu, Univ. of Science and Technology of China (China)
- 8919 OF **Face recognition based on dense correspondences** [8919-101]
W. Zhang, R. Liu, J. Shuai, M. Zhu, Univ. of Science and Technology of China (China)
- 8919 OG **Morphology based field rice density detection from rice transplant stage to rice jointing stage** [8919-33]
X. D. Bai, Z. G. Cao, Y. Wang, M. N. Ye, Z. H. Yu, Y. N. Li, Huazhong Univ. of Science and Technology (China)
- 8919 OH **Action recognition by mid-level discriminative spatial-temporal volume** [8919-34]
F. Chen, N. Sang, Huazhong Univ. of Science and Technology (China)
- 8919 OI **Shadow detection and removal based on the saliency map** [8919-35]
Z. Fang, Huazhong Univ. of Science and Technology (China) and Hunan Univ. of Humanities, Science and Technology (China); Z. Cao, C. Deng, R. Yan, Y. Qin, Huazhong Univ. of Science and Technology (China)
- 8919 OJ **Registration of vehicle based panoramic image and LiDAR point cloud** [8919-71]
C. Chen, L. Cao, H. Xie, X. Zhuo, Wuhan Univ. (China)
- 8919 OK **Similarity-based global optimization of buildings in urban scene** [8919-78]
Q. Zhu, J. Zhang, W. Jiang, Wuhan Univ. (China)
- 8919 OL **A hybrid approach for text detection in natural scenes** [8919-36]
R. Wang, Huazhong Univ. of Science and Technology (China) and Hunan Univ. of Science and Technology (China); N. Sang, Huazhong Univ. of Science and Technology (China); R. Wang, Wuhan Univ. (China); X. Kuang, Huazhong Univ. of Science and Technology (China)
- 8919 OM **An image rectification method on image sequence of monocular motion vision** [8919-45]
Y. Li, J. Zhang, W. Hu, X. Liu, J. Tian, Huazhong Univ. of Science and Technology (China)
- 8919 ON **A novel method for constructing low-dimensional linear discriminative subspace** [8919-3]
H. Huo, J. Feng, China Electronics Standardization Institute (China); J. Feng, Peking Univ. (China)

- 8919 0O **A moving ship detection based on edge information of single image and background subtraction** [8919-4]
T. Shi, L. Yang, Z. Liu, Jiangsu Automation Research Institute (China)
- 8919 0P **Combination approach of highly conflicting evidence based on weighted distance of evidence** [8919-12]
Z. Liu, J. He, H. Qiao, Jiangsu Automation Research Institute (China)
- 8919 0Q **Learning and fusing multiple cues for indoor video segmentation** [8919-18]
C. Shi, W. Yang, Z. Chai, Beijing Institute of Environmental Features (China) and Science and Technology on Optical Radiation Lab. (China)
- 8919 0R **Gender recognition based on face geometric features** [8919-50]
J. Xiao, Huazhong Univ. of Science and Technology (China) and Wuchang Univ. of Technology (China); Z. Guo, C. Cai, Huazhong Univ. of Science and Technology (China)
- 8919 0S **Non-public vehicle traffic-violation detection using mobile cameras** [8919-57]
H. Fu, Y. Hu, Huazhong Univ. of Science and Technology (China); R. Huang, Huazhong Univ. of Science and Technology (China) and NEC Labs. (China)
- 8919 0T **ATR algorithm performance evaluation based on the simulation image and real image** [8919-61]
L. Zou, Z. Cao, W. Yang, Huazhong Univ. of Science and Technology (China)
- 8919 0U **Planar feature fitting based on Multi-BaySAC algorithm** [8919-63]
Z. Li, Z. Kang, China Univ. of Geosciences (China)
- 8919 0V **A shadow detection method via online self-modeling** [8919-67]
J. Wang, Y. Wang, M. Jiang, M. Song, Huazhong Univ. of Science and Technology (China)
- 8919 0W **Better image texture recognition based on SVM classification** [8919-83]
K. Liu, B. Lu, Y. Wei, Huazhong Univ. of Science and Technology (China)
- 8919 0X **Density estimation using KNN and a potential model** [8919-109]
Y. Lu, J. Qiao, L. Liao, Lanzhou Univ. (China); W. Yang, Northwest Research Institute of Petroleum Exploration and Development (China)
- 8919 0Y **Robust and rapid matching of oblique UAV images of urban area** [8919-13]
X. Xiao, Xi'an Univ. of Science and Technology (China); B. Guo, Y. Shi, Wuhan Univ. (China); W. Gong, The Ohio State Univ. at Columbus (United States); J. Li, Wuhan Univ. (China); C. Zhang, Xi'an Univ. of Science and Technology (China)
- 8919 0Z **Camera self-calibration technique based on hierarchical reconstruction and bundle adjustment** [8919-19]
C. Zhang, P. Fen, Xi'an Univ. of Science and Technology (China)
- 8919 10 **A method of 3D reconstruction from multiple views based on graph theoretic segmentation** [8919-107]
Y. Li, H. Hong, X. Zhang, H. Bai, Wuhan Institute of Technology (China)
- 8919 11 **Path-based similarity with instance-level constraints for SemiBoost** [8919-94]
X. Zhang, J. Yu, T. Wang, B. Hou, L. C. Jiao, Xidian Univ. (China)

- 8919 12 **Modeling urban LIDAR point clouds with combined 2D TIN and 3D tetrahedron structure** [8919-30]
J. Wu, H. Liao, M. Chen, Z. Peng, Guilin Univ. of Electronic Technology (China)
- 8919 13 **High-quality edge match with simplified SGM algorithm** [8919-31]
J. Wu, Z. Yao, Z. Peng, Guilin Univ. of Electronic Technology (China)
- 8919 14 **Real-time and reliable human detection in clutter scene** [8919-53]
Y. Tan, X. Luo, H. Xia, Guangxi Normal Univ. (China)
- 8919 15 **The prediction research of steam reheating temperature in power plants based on LS-SVM** [8919-106]
Z. Liu, S. Jiang, H. Yang, X. Pan, Guilin Univ. of Electronic Technology (China)
- 8919 16 **Image denoising via group Sparse representation over learned dictionary** [8919-99]
P. Cheng, Jiangxi Science and Technology Normal Univ. (China); C. Deng, S. Wang, Nanchang Institute of Technology (China); C. Zhang, Jiangxi Science and Technology Normal Univ. (China)
- 8919 17 **Gradient-based registration of rotated, scaled, and translated images** [8919-91]
X. Li, Henan Univ. of Technology (China)
- 8919 18 **Transfer learning for bimodal biometrics recognition** [8919-70]
Z. Dan, China Three Gorges Univ. (China) and Huazhong Univ. of Science and Technology (China); S. Sun, China Three Gorges Univ. (China); Y. Chen, H. Gan, Huazhong Univ. of Science and Technology (China)
- 8919 19 **Multi-focus image fusion based on local energy of wavelet transform** [8919-93]
M. Chen, Z. Cai, Quanzhou Normal Univ. (China)
- 8919 1A **Compressed sensing image processing in the wavelet transform domain** [8919-11]
Z. Lu, P. Gong, J. Peng, Wuzhou Univ. (China)
- 8919 1B **Range image registration based on weighted iterative closest point algorithm** [8919-42]
X. Wu, Z. Liu, Shenzhen Institute of Information and Technology (China)

Author Index

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M.V. Srinivasan, University of Queensland (Australia)
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Hengqing Tong, Wuhan University of Technology (China)
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Jie Zhou, Tsinghua University (China)

Introduction

Welcome to the Eighth Symposium on Multispectral Image Processing and Pattern Recognition (MIPPR) in the city of Wuhan, China.

The MIPPR symposium has a broad charter. Multispectral is interpreted not just multiple-wavelength in a narrow sense, but also multi-sensor, multi-modal and multimedia. 'Multispectral' covers many disciplines such as sensing, image processing, computer vision, pattern recognition, and involves the development of efficient processing algorithms and their optimization and implementation. The wide range of applications considered in this symposium includes automatic target recognition, autonomous navigation, medical image processing, remote sensing, geographic information systems, biometrics, and many others.

The MIPPR symposium provided a forum for scientists and engineers from universities and government laboratories to meet and exchange ideas. We expect that there were ample discussions both inside and outside the lecture halls, and that MIPPR 2013 was viewed as an exciting meeting.

In response to the Call for Papers, we received 399 submissions. Based on the reviews provided by an excellent program committee we accepted 226 papers covering many aspects of multispectral image processing and pattern recognition. The proceedings of the MIPPR symposium consists of 5 volumes:

- Multispectral Image Acquisition, Processing and Analysis (SPIE Volume 8917)
- Automatic Target Recognition and Navigation (SPIE Volume 8918)
- Pattern Recognition and Computer Vision (SPIE Volume 8919)
- Parallel Processing of Images and Optimization and Medical Imaging Processing (SPIE Volume 8920)
- Remote Sensing Image Processing, Geographic Information Systems, and Other Applications (SPIE Volume 8921)

The realization of a conference depends upon the hard work of many dedicated people. We thank all the members of the organizing committee for putting together this Symposium for the benefit of all the researchers, and for making this conference a success. We hope the papers and the research results presented at MIPPR 2013 will inspire new research in all the areas related to multispectral image processing and pattern recognition.

Bir Bhanu