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Yulin Wang
Liansheng Tan
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Contents

ix *Conference Committee*
xi *Introduction*

8783 02 **An extension of the Felzenszwalb-Huttenlocher segmentation to 3D point clouds** [8783-3]
M. Sima, A. Nüchter, Jacobs Univ. Bremen GmbH (Germany)

8783 03 **Multi-vehicles tracking in traffic crossroad based on fast approximate optimal objective function with label costs** [8783-4]
L. Wang, S. Qin, Beijing Univ. of Aeronautics and Astronautics (China)

8783 04 **Foreground detection for content-based image retrieval** [8783-5]
X. Wang, X. Chen, S. Qu, Research Institute of Computer Application (China)

8783 05 **Super-resolution analysis for passive microwave images using FIPOCS** [8783-6]
X. Wang, Florida International Univ. (United States); J. Wu, Wuhan Univ. of Science and Technology (China); J. Wang, M. Adjouadi, Florida International Univ. (United States)

8783 06 **Analysis of image thresholding segmentation algorithms based on swarm intelligence** [8783-7]
Y. Zhang, K. Lu, Y. Gao, B. Yang, National Univ. of Defense Technology (China)

8783 07 **Novel algebraic reconstruction technique for faster and finer CT reconstruction** [8783-9]
S. Saha, M. Tahtali, A. Lambert, M. Pickering, Univ. of New South Wales Canberra (Australia)

8783 08 **Warped document image correction method based on heterogeneous registration strategies** [8783-10]
L. Tong, G. Zhan, Q. Peng, Y. Li, Y. Li, North China Univ. of Technology (China)

8783 09 **Defocus blur estimation from multi-scale gradients** [8783-12]
F. Pi, Y. Zhang, G. Lu, Huazhong Univ. of Science and Technology (China); B. Pang, Wuhan Landing Medical High-Tech Co., Ltd. (China)

8783 0A **A NIR scene simulation method based on reflection properties of target** [8783-13]
H. Yang, Y. Ding, Beijing Institute of Technology (China); Z. Zhang, Beijing Aoptek Scientific Co. Ltd. (China)

8783 0B **A new approach for salient motion in dynamic scenes** [8783-14]
M. Liu, W. Liu, D. Zhang, Huazhong Univ. of Science and Technology (China)

8783 0C **A GPU-paralleled implementation of an enhanced face recognition algorithm** [8783-16]
H. Chen, TCL Corporate Research Xi'an R&D Ctr. (China); X. Liu, S. Shao, J. Zan, Xidian Univ. (China)

8783 0D **Feasibility analysis on integration of luminous environment measuring and design based on exposure curve calibration** [8783-20]
Y. Zou, Tianjin Univ. (China); T. Shen, Wuhan Univ. of Technology (China)

8783 0E **Image local invariant feature description fusing multiple information** [8783-21]
Q. Zhu, X. Liu, C. Cai, Q. Liu, Harbin Engineering Univ. (China)

8783 0F **A new approach to the form and position error measurement of the auto frame surface based on laser** [8783-22]
H. Wang, Changchun Univ. of Technology (China) and Changchun Institute of Technology (China); W. Li, Changchun Univ. of Technology (China)

8783 0G **An improved image non-blind image deblurring method based on FoEs** [8783-24]
Q. Zhu, L. Sun, Harbin Engineering Univ. (China)

8783 0H **Calibration method for misaligned catadioptric camera based on planar conic** [8783-25]
Q. Zhu, C. Xu, C. Cai, Harbin Engineering Univ. (China)

8783 0I **Sliding mode control based on RBF neural networks** [8783-26]
Y. Zhou, W. Wang, Xuchang Univ. (China); X. Jiao , Xuchang Electric Power Co. (China)

8783 0J **A novel fiber length measurement technology by using an optoelectronic oscillator** [8783-27]
Z. Wei, R. Wang, T. Pu, G. Sun, T. Fang, The PLA Univ. of Science and Technology (China)

8783 0K **Ensemble construction for SMT system combination via leave-one-out features** [8783-28]
N. Duan, Tianjin Univ. (China)

8783 0L **Research on energy-saving optimal control of trains in a following operation under a fixed four-aspect autoblock system based on multi-dimension parallel GA** [8783-29]
Q. Lu, X. Feng, Southwest Jiaotong Univ. (China)

8783 0M **The application of graph diffusion in high-level feature extraction** [8783-30]
X. Du, H. Zhang, J. Guo, X. Xu, Beijing Univ. of Posts and Telecommunications (China)

8783 0N **Optical interference cancellation in visible light identification system based on wireless mesh network topology** [8783-31]
P. Li, Y. Ying, C. Azurdia, Kyung Hee Univ. (Korea, Republic of)

8783 0O **Study on effect of toll station on the traffic flow on three-line road** [8783-32]
G. Wang, W. Li, Y. Feng, Inner Mongolia Univ. (China)

8783 0P **Design of high-speed data collecting system for pipeline magnetic flux leakage inspection** [8783-33]
W. Qu, H. Xu, Power Engineering Baoding Electric Power Vocational and Technical College (China)

8783 0Q **Inductively coupled plasma etching of BZN thin films in SF6/Ar plasmas** [8783-34]
G. Wang, P. Li, G. Zhang, W. Li, L. Dai, J. Jiang, Univ. of Electronic Science and Technology of China (China)

8783 0R **Modeling for spatial multilevel structural data** [8783-35]
S. Min, Communication Univ. of China (China); X. He, Renmin Univ. of China (China)

8783 0S **New method for detecting traffic information based on anisotropic magnetoresistive technology** [8783-36]
K. Liu, H. Xiong, H. He, Beijing Normal Univ. (China)

8783 0T **Nonexistence of global solutions for a class of nonlinear hyperbolic equation** [8783-37]
Y. Wang, L. Zhang, Zhengzhou Institute of Aeronautical Industry Management (China)

8783 0U **Chinese word segmentation based on improved double hashtable** [8783-38]
H. Shao, H. Sun, W. Cui, Shenyang Univ. of Technology (China)

8783 0V **SST fusion analysis based on Kalman Filter and Spatiotemporal dimension** [8783-39]
N. Liu, L. Xu, Y. Xu, J. Wang, Shanghai Univ. (China)

8783 0W **Fuzzy PID controller combines with closed-loop optimal fuzzy reasoning for pitch control system** [8783-40]
Y. Li, C. Xiao, J. Sun, North China Institute of Aerospace Engineering (China)

8783 0X **Study of distributed computing system based on web services** [8783-41]
L. Wang, Chongqing Industry Polytechnic College (China)

8783 0Y **Password-based authenticated key exchange scheme using smart card** [8783-42]
H. Liu, S. Zhong, Jiangxi Univ. of Science and Technology (China)

8783 0Z **Triangular framework mesh generation of 3D geological structure** [8783-43]
X. Meng, K. Zhou, J. Li, Q. Yang, BeiHang Univ. (China)

8783 10 **Numerical simulation of the flow field in a SLG continuous powder surface modifying machine** [8783-44]
C. Wu, S. Zheng, H. Xu, F. Xu, China Univ. of Mining and Technology (China); J. Luo, Qitai Non-Metallic Engineering Co., Ltd (China)

8783 11 **Image transmission and compression system based on VMIC network** [8783-45]
Q. Hua, Y. Liu, Q. Zhou, BeiHang Univ. (China)

8783 12 **The ISAR imaging of ship based on adaptive optimal kernel time-frequency representation** [8783-46]
R. Li, J. Tao, Naval Univ. of Engineering (China); Z. Tang, Air Force Radar Academy (China)

8783 13 **The research of quantitative analysis for SF6 and its derivatives in GIS based on infrared spectrum** [8783-47]
Y. Zhao, Q. Zhang, Xiangfan Univ. (China)

8783 14 **An effective method of locating lisence plate in complex scenes** [8783-48]
J. Ling, M. Xie, Univ. of Electronic Science and Technology of China (China)

8783 15 **Research and application of embedded real-time operating system** [8783-49]
B. Zhang, ChongQing Industry Polytechnic College (China)

8783 16 **A well-balanced reaction-diffusion model for texture image denoising** [8783-50]
J. Gong, X. Li, Sichuan Normal Univ. (China)

8783 17 **A method of mobile video transmission based on J2ee** [8783-51]
J. Guo, J. Zhao, J. Gong , Y. Chun, Beijing Academy of Agriculture and Forestry Sciences (China)

8783 18 **Gabor filter based fingerprint image enhancement** [8783-52]
J. Wang, Jingchu Univ. of Technology (China)

8783 19 **A new data model for 3D tunnel modeling** [8783-53]
E. Hou, Xi'an Univ. of Science and Technology (China); Z. Zhang, Lanzhou Jiaotong Univ. (China); X. Luo, Xi'an Univ. of Science and Technology (China)

8783 1A **Remote monitoring system research and implementation based on wireless communication** [8783-54]
W. Fu, X. Meng, Beijing Univ. of Posts and Telecommunications (China)

8783 1B **Blind separation of permuted alias image based on blur detection** [8783-55]
X. Duan, Shanghai Univ. (China) and Henan Normal Univ. (China); Y. Fang, Shanghai Univ. (China)

8783 1C **Spectral characterisation of trichromatic digital cameras** [8783-56]
S. He, Q. Chen, Shenzhen Polytechnic (China)

8783 1D **Hyperspectral recognition of processing tomato early blight based on GA and SVM** [8783-58]
X. Yin, S. Zhao, Shihezi Univ. (China)

8783 1E **Research on improved mechanism for particle filter** [8783-59]
J. Yu, J. Xu, Y. Tang, Henan Polytechnic Univ. (China); Q. Zhao, State Grid Electric Power of Henan Ji-Yuan Power Supply Co. (China)

8783 1F **Research on the adaptive choice mechanism of proposal distribution in particle filter** [8783-60]
Y. Tang, Y. Jin, J. Yu, Henan Polytechnic Univ. (China); Q. Zhao, State Grid Electric Power of Henan Ji-Yuan Power Supply Co. (China)

8783 1G **A robust technique for real-time image match** [8783-61]
B. Su, F. Mi, Beijing Institute of Technology (China) and Ministry of Education of China (China)

8783 1H **A fast subpixel edge detection method for image of micro-part** [8783-62]
T. Zeng, G. Shi, B. Zhang, Z. Wang, F. Yang, Beijing Institute of Technology (China)

8783 1I **Moving object detection in complex background for a moving camera** [8783-64]
H. Zhang, H. Yuan, Beijing Univ. of Technology (China); J. Li, Hebei Univ. of Economics and Business (China)

8783 1J **Threshold switch filter design and its implementation in image denoising** [8783-65]
X. Tan, J. Jiang, D. Zha, Jiujiang Univ. (China)

8783 1K **Pose measurement base on machine vision for the aircraft model in wire-driven parallel suspension system** [8783-66]
Y. Chen, L. Wu, S. Yue, Q. Lin, Xiamen Univ. (China)

8783 1L **Super-resolution analysis of microwave image using WFIPOCS** [8783-67]
X. Wang, J. Wu, Wuhan Univ. of Science and Technology (China)

8783 1M **Real-time billboard trademark detection and recognition in sports video** [8783-69]
J. Bu, National Univ. of Defense Technology (China); S. Lao, Sabrina Tollari, CNRS (France); L. Bai, Univ. Pierre et Marie Curie (France)

8783 1N **Tiny lateral displacement detection methods of image correlation matching** [8783-70]
X. Wang, Chinese People's Armed Police Force Academy (China)

8783 1O **A linear-time complexity algorithm for solving the Dyck-CFL reachability problem on bi-directed trees** [8783-71]
X. Sun, Institute of Software (China); Y. Zhang, L. Cheng, Graduate School of the Chinese Academy of Sciences (China)

8783 1P **Test case set generation method on MC/DC based on binary tree** [8783-72]
J. Wang, Changchun Institute of Optics, Fine Mechanics and Physics (China); B. Zhang, Y. Chen, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China)

8783 1Q **A cooperative communication method based on turbo codes** [8783-73]
J. Fan, H. Zhang, L. Li, Z. Chen, Northwestern Polytechnical Univ. (China)

8783 1R **A highly scalable parallel computation strategy and optimized implementation for Fresnel Seismic Tomography** [8783-76]
Y. Gao, C. Zhao, C. Li , H. Yan, BeiHang Univ. (China); L. Zhao, Geophysical Prospecting Equipment Co., Ltd. (China)

8783 1S **Local reverse entropy and its application in small targets detection** [8783-77]
H. Deng, Q. Liu, Central China Normal Univ. (China); L. Cheng, Air Force Radar Academy (China)

8783 1T **An image interpolation-based approach to the detection of small moving target** [8783-78]
H. Deng, Central China Normal Univ. (China); L. Cheng, Air Force Radar Academy (China)

8783 1U **Application of fast BLMS algorithm in acoustic echo cancellation** [8783-79]
Y. Zhao, N. Q. Li, Univ. of Jinan (China)

8783 1V **HMM based distributed arithmetic coding and its application in image coding** [8783-80]
D. Wang, L. Huang, Northwest Agriculture and Forestry Univ. (China)

8783 1W **Measurement of effectiveness of software testing** [8783-82]
B. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate Univ. of Chinese Academy of Sciences (China); X. Shen, J. Wang, Graduate Univ. of the Chinese Academy of Sciences (China); Y. Chen, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate Univ. of Chinese Academy of Sciences (China)

8783 1X **Direction of arrival estimation for wideband uncorrelated and coherent signals** [8783-83]
J. Zhang, Y. Mao, Electronic Engineering Institute (China); Z. Ye, Univ. of Science and Technology of China (China)

8783 1Y **A study on haptic collaborative game in shared virtual environment** [8783-85]
K. Lu, G. Liu, L. Liu, BeiHang Univ. (China)

Author Index

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Introduction

The organizing committee warmly welcomed our distinguished delegates and guests to the 2012 Fifth International Conference on Machine Vision – (ICMV 2012) held 20–21, October 2012 in Wuhan, China.

The ICMV 2012 is organized by Wuhan University, Huazhong Normal University, Aim Shams University, and Sichuan University, and sponsored by Science and Engineering Institute. The conference was organized to gather members of our international community scientists so that researchers from around the world could present their cutting edge work, expanding our community's knowledge and insight into the significant challenges currently being addressed in that research. The conference program committee was quite diverse and truly international, with membership from the Americas, Europe, Asia, Africa and Oceania.

This proceeding volume contains fully refereed papers presented at the ICMV 2012. The main conference themes and tracks are Machine Vision. The main goal of these events is to provide international scientific forums for exchange of new ideas in a number of fields that interact in-depth through discussions with their peers from around the world. Both inward research, core areas of Machine Vision and outward research, and multidisciplinary, interdisciplinary, and applications were covered during these events. The conference solicited and gathered technical research submissions related to all aspects of major conference themes and tracks. All of the submitted papers in these proceedings have been peer reviewed by the reviewers drawn from the scientific committee, external reviewers, and editorial board depending on the subject matter of the paper. Reviewing and initial selection were undertaken electronically. After the rigorous peer-review process, the submitted papers were selected on the basis of originality, significance, and clarity for the purpose of the conference. The selected papers and additional late-breaking contributions to be presented as lectures made for an exciting technical program. The conference program was extremely rich, featuring high-impact presentations. The high quality of the program, which was guaranteed by the presence of an unparalleled number of internationally recognized top experts, can be assessed when reading the contents of the program. The conference was therefore a unique event, where attendees were able to appreciate the latest results in their field of expertise, and to acquire additional knowledge in other fields. The program was structured to favor interactions among attendees coming from many diverse horizons, scientifically, geographically, from academia and from industry.

We are grateful to all those who have contributed to the success of ICMV 2012. We would like to thank the program chairs, organizational staff, and the members of the program committees for their work. Thanks also goes to SPIE for their great

support on the proceedings publishing. We hope that all participants and other interested readers benefit scientifically from these proceedings and also find it stimulating in the process.

Finally, we hope that you had a unique, rewarding, and enjoyable week at ICMV 2012 in Wuhan, China.

With our warmest regards,

Yulin Wang