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Advances in Infrared Imaging and Applications

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Contents

Part One

xix Symposium Committee
xvi Conference Committee
xxiii Introduction
xxv Cooperating Organizations

ADVANCES IN INFRARED IMAGING AND APPLICATIONS

8193 02 A method for real-time implementation of HOG feature extraction (Invited Paper) [8193-01]
H. Luo, Shenyang Institute of Automation (China), Key Lab. of Optical-Electronics Information Processing (China), and Key Lab. of Image Understanding and Computer Vision (China); X. Yu, Shenyang Institute of Automation (China), Graduate Univ. of the Chinese Academy of Sciences (China), Key Lab. of Optical-Electronics Information Processing (China), Key Lab. of Image Understanding and Computer Vision (China), and AVIC Hongdu Aviation Industry Group Ltd. (China); H. Liu, AVIC Hongdu Aviation Industry Group Ltd. (China); Q. Ding, Republic of China Air Force (China)

8193 03 Study on the temporal and spatial characteristics of high-speed turbulent flow field and its optical transmission effects (Invited Paper) [8193-02]
C. Chen, Beijing Electronic System Engineering Institute (China); J. Fei, Beijing Simulation Ctr. (China); S. Yi, National Univ. of Defense Technology (China); W. Tang, Beijing Electronic System Engineering Institute (China)

8193 04 Shearlet-based hard-thresholding for interfered infrared image denoising [8193-03]
R. Zou, C. Shi, E. Mao, Beijing Institute of Technology (China)

8193 05 An improved triangle star pattern recognition algorithm with high identification probability [8193-04]
L. Du, Y. Zhao, Beihang Univ. (China)

8193 06 Anomaly detection using background prediction in hyperspectral images [8193-05]
D. Liu, G. He, J. Zhang, Xidian Univ. (China)

8193 07 Design, fabrication, and characterization of quantum well infrared photoconductor in long-wavelength infrared [8193-06]
J. Jin, J. Chen, C. Lin, Shanghai Institute of Technical Physics (China)

8193 08 Simulation of realistic infrared texture of aeolian sand ripples [8193-07]
Q. Liu, Shenyang Institute of Automation (China), Graduate Univ. of the Chinese Academy of Sciences (China), Key Lab. of Opto-Electronics Information Processing (China), and Key Lab. of Image Understanding and Computer Vision (China); F. Zhu, Shenyang Institute of Automation (China), Key Lab. of Opto-Electronics Information Processing (China), and Key Lab. of Image Understanding and Computer Vision (China); X. Long, Office of Air Force (China); Y. Hao, S. Fu, Shenyang Institute of Automation (China), Key Lab. of Opto-Electronics Information Processing (China), and Key Lab. of Image Understanding and Computer Vision (China)
A field transition particle filter tracking algorithm [8193-08]
D. Xu, Graduate Univ. of the Chinese Academy of Sciences (China), Shenyang Institute of Automation (China), Key Lab. of Optical-Electronics Information Processing (China), and Key Lab. of Image Understanding and Computer Vision (China); Z. Shi, Shenyang Institute of Automation (China), Key Lab. of Optical-Electronics Information Processing (China), and Key Lab. of Image Understanding and Computer Vision (China); X. Yu, AVIC Hongdu Aviation Industry Group Ltd. (China); Q. Ding, Equipment Academy of Air Force (China); H. Luo, Shenyang Institute of Automation (China), Key Lab. of Optical-Electronics Information Processing (China), and Key Lab. of Image Understanding and Computer Vision (China)

The design research of a spinel dome [8193-09]
H. Zhao, T. Hou, B. Zhu, Q. Huang, Z. Gao, Southwest Institute of Technical Physics (China)

The ship-borne infrared searching and tracking system based on the inertial platform [8193-10]
Y. Li, H. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China)

The research of the coupling of circuit and chip [8193-11]
Y. Wang, H. Yuan, G. Xu, Shanghai Institute of Technical Physics (China)

Two-step local Wiener filter using dual-tree complex wavelet transform [8193-12]
X. Zhang, Xianyang Normal Univ. (China) and Xidian Univ. (China); X. Feng, Xidian Univ. (China)

A new recurrent wavelet neural networks for adaptive equalization [8193-13]
Y. Sun, Y. Chen, X. Luo, X. Lin, J. Lu, Tianjin Jinhang Institute of Technology Physics (China)

Study on image jamming effect of infrared imaging system induced by CO2 laser [8193-14]
J. Che, D. Wang, H. Zhang, L. Zhang, L. Zhang, Z. Dong, People’s Liberation Army (China)

Performance degradation of space Stirling cryocoolers due to gas contamination [8193-15]
X. Liu, Hangzhou Dianli Univ. (China); Y. Wu, Shanghai Institute of Technical Physics (China); S. Yang, X. Zhang, Ministry of Information Industry (China); G. Lu, Shanghai Institute of Technical Physics (China); L. Zhang, Hangzhou Dianli Univ. (China)

Fabrication and low temperature characteristics of InGaAs detector [8193-16]
Y. Lv, Luoyang Opto-electro Technology Development Ctr. (China); Q. Meng, Henan Univ. of Science and Technology (China)

Research on method of infrared spectral imaging based on thermal imager [8193-17]
K. Huan, X. Shi, W. Wu, F. Zheng, X. Liu, Changchun Univ. of Science and Technology (China)

Performance analysis of quantum dots infrared photodetector [8193-18]
H. Liu, Xidian Univ. (China) and Shanxi Datong Univ. (China); F. Zhang, Xi’an Univ. of Technology (China); J. Zhang, G. He, Xidian Univ. (China)

Design of reimaging F/1.0 long-wavelength infrared optical system [8193-19]
X. Zhang, B. Liu, H. Jia, Changchun Institute of Optics, Fine Mechanics and Physics (China)
Numerical analysis and experimental research on active infrared thermographic NDT in composite materials [8193-20]
C. Wu, SiCON OPTO-Electronic Ltd. (China), Northwestern Polytechnical Univ. (China), and Xi'an Research Institute of Hi-Tech (China); W. Wang, Q. Yuan, SiCON OPTO-Electronic Ltd. (China); Y. Li, Northwestern Polytechnical Univ. (China); W. Zhang, Xi'an Research Institute of Hi-Tech (China); X. Zhang, No. 203 Research Institute of China Ordnance Industries (China)

Research on multi-angle near infrared spectral-polarimetric characteristic for polluted water by spilled oil [8193-21]
H. Shen, Anhui Univ. of Architecture (China); P. Zhou, Hefei New Star Applied Technology Research Institute (China); S. Feng, Anhui Univ. of Architecture (China)

Research on quantitative relationship between NIIRS and the probabilities of discrimination [8193-22]
H. Bai, Engineering College of Armed Police Force (China)

The electrical characteristics of the HgInTe crystal and Pt/HgInTe Schottky contacts [8193-23]

A cryogenic temperature eight-cell CMOS differential current amplifier for IR detectors [8193-24]
H. Yuan, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); Y. Chen, S. Chen, Q. Liu, X. Xu, Shanghai Institute of Technical Physics (China)

Analysis on quantitative relationship between design parameters of infrared remote sensor and NIIRS [8193-25]
Y. Jin, Northwest Univ. (China) and Engineering College of Armed Police Force (China); H. Bai, Engineering College of Armed Police Force (China)

Moving object detection based on segmentation of optical flow field in IR image sequence [8193-26]
H. Lu, T. Zhang, Huazhong Univ. of Science and Technology (China)

Noise research of microbolometer array under temperature environment [8193-27]
Y. Gao, Nanyang Institute of Technology (China) and Nanjing Univ. of Science and Technology (China); H. Chen, Nanyang Institute of Technology (China); Y. Xu, Nanyang Institute of Technology (China) and Nanjing Univ. of Science and Technology (China); X. Sun, B. Chang, Nanjing Univ. of Science and Technology (China)

Optimal design of UAV's pod shape [8193-28]
Q. Wei, H. Jia, Changchun Institute of Optics, Fine Mechanics and Physics (China)

A theoretical structure calculation of MWIR HgCdTe e-APD [8193-29]
R. Gu, C. Shen, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); L. Chen, Shanghai Institute of Technical Physics (China)
Evaluation of the operating range for ground-based infrared imaging tracking system
[8193-30]
B. Zhang, Z. Zhang, S. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China)

The algorithm of small and weak linear target detection [8193-31]
Z. Han, H. Zheng, Y. Zhao, L. Guo, Air Defense Forces Command Academy (China)

Infrared camera based on optical-readout bi-material FPA [8193-32]
Y. Kong, R. Liu, B. Jiao, D. Chen, Institute of Microelectronics (China) and Kunshan MicroOptics Electronic Co. Ltd. (China)

The effect of flash power on the measurement of thermal effusivity using thermal wave imaging [8193-33]
Z. Zeng, Chongqing Normal Univ. (China) and Capital Normal Univ. (China); N. Tao, L. Feng, Y. Li, C. Zhang, Capital Normal Univ. (China)

High-throughput median filter for high-performance infrared imaging system [8193-34]
X. Qin, Y. Ma, H. Li, J. Bo, Huazhong Univ. of Science and Technology (China)

Discriminative region extraction and feature selection based on the combination of SURF and saliency [8193-35]
L. Deng, Institute of Optics and Electronics (China), Key Lab. of Adaptive Optics (China), and Graduate Univ. of the Chinese Academy of Sciences (China); C. Wang, C. Rao, Institute of Optics and Electronics (China) and Key Lab. of Adaptive Optics (China)

Dislocation cell structures in CdZnTe substrates and its behavior of threading into HgCdTe LPE epi-layers [8193-36]
X. Cui, W. Fang, Y. Wei, C. Zhang, H. Xu, S. Sun, J. Yang, Shanghai Institute of Technical Physics (China)

Comparison of two types of optical systems for space-borne staring IR sensors [8193-37]
Y. Li, G. Zheng, Beijing Institute of Space Mechanics and Electricity (China)

Design of infrared imaging system for inner-formation flying system [8193-38]
D. Han, L. Xiao, National Univ. of Defense Technology (China); Z. Wang, Tsinghua Univ. (China); K. Liu, National Univ. of Defense Technology (China)

Water spray parameters study with the minimum infrared transmission in the atmospheric windows [8193-39]
Z. Chen, C. Li, L. Zhang, L. Zhang, Naval Academy of Armament (China); H. Chen, Attached Middle School of Hebei Normal College for Nationalities (China)

Defects detection in crystalline silicon solar cells based on electroluminescence imaging [8193-40]
X. Jiang, C. Wang, X. Wang, Y. Zong, C. Pei, Academy of Armored Force Engineering (China)
8193 16  A new design of ROIC with CDS and programmable arbitrary line selection [8193-41]
P. Wang, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); R. Ding, Shanghai Institute of Technical Physics (China); G. Chen, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); H. Chen, Shanghai Institute of Technical Physics (China); L. Hao, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China)

8193 17  A high performance readout circuit (ROIC) with BDI structure for SWIR FPAs [8193-42]
L. Hao, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); R. Ding, A. Huang, H. Chen, C. Zhou, Shanghai Institute of Technical Physics (China); P. Wang, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China)

8193 18  An efficient method for infrared small target detection [8193-43]
Z. Su, D. Zhao, J. Qi, Beihang Univ. (China)

8193 19  The application of pulsed thermography in the inspection of wind turbine blades [8193-44]
N. Tao, Capital Normal Univ. (China); Z. Zeng, Capital Normal Univ. (China) and Chongqing Normal Univ. (China); L. Feng, Capital Normal Univ. (China); X. Li, Beijing Waiteksin Advanced Technology Co., Ltd. (China); Y. Li, Sinomatech Wind Power Blades Co., Ltd. (China); C. Zhang, Capital Normal Univ. (China)

8193 1A  Mechanism and Implementation of bidirectional IR scene simulation system based on the Peltier effect [8193-45]
Y. Feng, Y. Lu, J. Shen, Electronic Engineering Institute (China)

8193 1B  The LQG/LTR controller design for miniaturized infrared stabilizing platform [8193-46]
R. Xiao, Kunming Univ. of Science and Technology (China); T. Li, Kunming Univ. of Science and Technology (China) and Kunming Shipbuilding Equipment Co., Ltd. (China); P. Zhang, Kunming Institute of Physics (China); X. Jia, Kunming Univ. of Science and Technology (China); Y. Qin, C. Xian, Kunming Univ. of Science and Technology (China) and Kunming Shipbuilding Equipment Co., Ltd. (China)

8193 1C  IR line scanner on UAV [8193-47]
S. Liu, J. Qin, H. Qi, G. Xiao, Shanghai Institute of Technical Physics (China)

8193 1D  The detection of chlorophyll content for salt stress of the wheat seedling by hyperspectral imaging [8193-48]
Q. Wu, Jilin Univ. (China) and Beijing Research Ctr. for Information Technology in Agriculture (China); D. Zhu, C. Wang, Z. Ma, D. Zhang, Beijing Research Ctr. for Information Technology in Agriculture (China); K. Chen, Jilin Univ. (China); J. Wang, Jilin Univ. (China) and Beijing Research Ctr. for Information Technology in Agriculture (China)

8193 1E  Removing impulsive noise for infrared image with difference images and adaptive filter [8193-49]
J. Zhao, H. Feng, Z. Xu, Q. Li, Zhejiang Univ. (China)
| 8193 1F | As$_2$/Ga flux ratios and low-temperature annealing dependence of Ga$_{1-x}$Mn$_x$As films by x-ray absorption spectroscopy [8193-50] |
| 8193 1G | Thermal imaging experiments of motor vehicles under low visibility at night [8193-51] |
| 8193 1H | Analysis of stray radiation of infrared detecting system [8193-52] |
| 8193 1I | An FPGA-based heterogeneous image fusion system design method [8193-53] |
| 8193 1J | Dim moving target detection method based on time-frequency analysis [8193-54] |
| 8193 1K | Correlation recognition device based on spatial light modulator for infrared imaging system [8193-55] |
| 8193 1L | IR image synthesis for small target under sky background [8193-56] |
| 8193 1M | Improved particle filtering algorithm based on the multi-feature fusion for small IR target tracking [8193-57] |
| 8193 1N | The research and implementation of CFAR in infrared small target detection [8193-58] |
| 8193 1O | Noninvasive blood glucose sensing on human body with near-infrared reflection spectroscopy [8193-59] |
| 8193 1P | A new registration method of infrared and visible images based on improved edge extraction and revised measure function [8193-60] |
| 8193 1Q | Design of antireflection film for underwater laser imaging system [8193-61] |
Design of high ratio middle infrared continuous zoom optical system [8193-62]
Z. Fan, Xi'an Institute of Optics and Precision Mechanics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); J. Cao, Xi'an Institute of Optics and Precision Mechanics (China); H. Yang, Xi'an Institute of Optics and Precision Mechanics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); E. Qu, D. Wu, Xi'an Institute of Optics and Precision Mechanics (China)

Analysis and research on the thermal stress of detector affected by packaging accuracy [8193-63]
L. Fu, WiO Technology Co., Ltd. (China)

The technology of generating infrared image based on electric heating film technology [8193-64]
Y. Lu, Y. Feng, Y. Qiao, State Key Lab. of Pulsed Power Laser Technology (China)

Design of catadioptric middle infrared continuous zoom lens for uncooled infrared detector [8193-65]
K. Jiang, S. Zhou, J. Duan, Y. Wang, H. Zhang, Xi'an Institute of Optics and Precision Mechanics (China)

A millimeter wave image fusion algorithm design and optimization based on CDF97 wavelet transform [8193-66]
J. Yu, Hangzhou Dianzi Univ. (China); B. Chen, China Meteorological Administration (China); A. Xia, X. Liu, Hangzhou Dianzi Univ. (China)

Jamming efficiency evaluation of the IR smoke screen against high-orbit IR detector [8193-67]
G. Gao, Y. Li, Xi'an Research Institute of High Technology (China)

Strain-compensated InP-based InGaAsInAlAs quantum cascade infrared detectors for a 3–5µm atmospheric window [8193-68]
S. Zhai, J. Liu, N. Kong, F. Liu, L. Li, L. Wang, Z. Wang, Institute of Semiconductors (China)

The background suppression algorithm based on the two-dimensional velocity vector histogram and the estimated risk [8193-69]
J. Qin, Q. Chen, W. Qian, Nanjing Univ. of Science and Technology (China)

BP network identification technology of infrared polarization based on fuzzy c-means clustering [8193-70]
H. Zeng, G. Gu, W. He, Q. Chen, W. Yang, Nanjing Univ. of Science and Technology (China)

Investigation on the optical properties of sulfur-doped diamond thin films [8193-71]
Y. Wang, North China Electric Power Univ. (China); Q. Zhao, Hebei Univ. (China); Z. Yin, Z. Zhao, North China Electric Power Univ. (China)

Detection of IR target by fusing multispectral IR data [8193-72]
L. Li, M. Qi, X. Gao, North China Research Institute of Electro-optics (China)

Study on reliability enhancement testing for InSb focal plane array detector [8193-73]
M. Chao, P. Jing, M. Wei, Luoyang Optoelectronic Institute (China)
The accelerated vacuum life test research of Dewar [8193-74]
Y. Zhang, X. Wang, S. Zhu, H. Gong, Shanghai Institute of Technical Physics (China)

A wavelet-based adaptive fusion algorithm of infrared polarization imaging [8193-75]
W. Yang, G. Gu, Q. Chen, H. Zeng, Nanjing Univ. of Science and Technology (China)

Research on portable intelligent monitoring system based on video server [8193-76]
G. Song, Y. Na, F. Yang, S. Cao, Changchun Univ. of Science and Technology (China)

Enhancement algorithm for real-time infrared image processing [8193-77]
T. Si, L. Wang, Ningbo Dahongying Univ. (China); Y. Tian, Guizhou Univ. (China); J. Zhang, Nanjing Univ. of Science and Technology (China)

Analyzing the CO₂ column amount in China with GOSAT data [8193-78]
C. Gong, Y. Zhou, Y. Hu, Shanghai Institute of Technical Physics (China)

Research on bad pixel variation of IRFPA by high temperature storage and temperature shock [8193-79]
W. Wang, Northwestern Polytechnical Univ. (China) and Luoyang Opto-electro Technology Development Ctr. (China); Y. Fan, Northwestern Polytechnical Univ. (China); Y. Fu, J. Wang, W. Wu, J. Wang, Q. Guo, J. Liu, Luoyang Opto-electro Technology Development Ctr. (China)

The research of real-time image stabilization in the focal plane based on motion detection [8193-80]
W. Zhou, C. Tan, L. Ding, H. Pei, Shanghai Institute of Technical Physics (China)

Performance evaluation of imaging seeker tracking algorithm based on multi-features [8193-81]
Y. Li, J. Yan, Beijing Institute of Technology (China) and China North Industries Group (China)

X-ray diffraction analysis of high quality InAs/GaSb Type II superlattices grown by MBE [8193-82]
Y. Zhou, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); J. Chen, Q. Xu, L. He, Shanghai Institute of Technical Physics (China)

Response characteristic of InSb IRFPA under high reverse bias condition [8193-83]
J. Liu, Q. Guo, W. Wang, Z. Peng, Luoyang Opto-electro Technology Development Ctr. (China)

Application of multiple projector technologies for HWIL simulations [8193-84]
H. Yu, J. Fei, Z. Yang, H. Du, Y. Gao, Y. Zhang, Beijing Simulation Ctr. (China)

The evaluation of curved extended electrodes for off-area bonding of HgCdTe photoconductive detectors [8193-85]
D. Qian, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); J. Jia, Y. Tang, Shanghai Institute of Technical Physics (China); F. Liu, X. Ma, L. Zhang, F. Liu, B. Ye, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); H. Qiao, L. Zhu, X. Li, Shanghai Institute of Technical Physics (China)
Part Two

8193 2F  The study of a linear optimal location the typhoon center automatic from IR satellite cloud image [8193-86]
Y. Li, Southeast Univ. (China) and PLA Univ. of Science and Technology (China); X. Chen, PLA Univ. of Science and Technology (China); S. Fei, Southeast Univ. (China); K.-F. Mao, K. Zhou, PLA Univ. of Science and Technology (China)

8193 2G  A real-time gray projection algorithm for electronic image stabilization [8193-87]
W. Yang, Z. Zhang, Y. Zhang, X. Lu, J. Li, Z. Shi, National Univ. of Defense Technology (China)

8193 2H  Design of a low noise and high accuracy readout integrated circuit for infrared detectors [8193-88]
D. Yang, H. Zhou, J. Wang, Tianjin Jinhang Institute of Technology Physics (China)

8193 2I  The new approach for infrared target tracking based on the particle filter algorithm [8193-89]
H. Sun, Changchun Institute of Optics, Fine Mechanics and Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); H. Han, Changchun Institute of Optics, Fine Mechanics and Physics (China)

8193 2J  Research on infrared dim-point target detection and tracking under sea-sky-line complex background [8193-90]
Y. Dong, Y. Li, H. Zhang, Changchun Institute of Optics, Fine Mechanics and Physics (China)

8193 2K  Study of SF6 gas decomposition products based on spectroscopy technology [8193-91]
J. Cai, Y. Na, W. Ni, G. Li, K. Feng, G. Song, Changchun Univ. of Science and Technology (China)

8193 2L  High quality mid-infrared InAs film grown on (100) GaSb substrate by LPE using a ternary melt [8193-92]
C. Sun, S. Hu, Q. Wang, J. Wu, N. Dai, Shanghai Institute of Technical Physics (China)

8193 2M  Research on an Al\SiNx bi-material thermal-mechanical uncooled infrared FPA pixel [8193-93]
X. Zhang, Communication Univ. of China (China); D. Zhang, Peking Univ. (China)

8193 2N  Based on momentum method BP neural network in the target recognition research and application [8193-94]
X. Zhang, North Univ. of China (China); Y. Gao, National Key Lab. for Electronic Measurement Technology (China)

8193 2O  Research on I-V temperature characteristic for InSb IRFPA [8193-95]
Q. Guo, J. Liu, W. Wang, J. Si, J. Wang, Luoyang Opto-electro Technology Development Ctr. (China)

8193 2P  Effects of thermal annealing on HgCdTe/CdTe/Si(211) by MBE [8193-96]
C. Shen, R. Gu, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); X. Fu, W. Wang, Y. Guo, L. Chen, G. Wang, F. Yang, L. He, Shanghai Institute of Technical Physics (China)
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>2Q</td>
<td>The sequence measurement system of the IR camera</td>
<td>A. Geng, H. Han, H. Zhang</td>
<td>Changchun Institute of Optics, Fine Mechanics and Physics (China)</td>
</tr>
<tr>
<td>2R</td>
<td>Improved sum-of-squared-differences tracking algorithm for thermal vision systems</td>
<td>G. Bieszczad, T. Sosnowski, H. Madura</td>
<td>Military Univ. of Technology (Poland)</td>
</tr>
<tr>
<td>2S</td>
<td>Preparation and characteristics of PLZT (8/65/35) thin films by sol-gel method</td>
<td>X. Sun, W. Liu, S. Zhou, J. Luo</td>
<td>Xi'an Technological Univ. (China)</td>
</tr>
<tr>
<td>2T</td>
<td>Compact middle infrared zoom lens design</td>
<td>X. Zhang, M. Jiao, Y. Luan, W. Chang, T. Sun</td>
<td>Xi'an Institute of Applied Optics (China)</td>
</tr>
<tr>
<td>2U</td>
<td>Accuracy assessment for infrared camera laboratory radiometric calibration</td>
<td>X. Xie, Harbin Institute of Technology (China) and Heilongjiang Institute of Science and Technology (China); W. Zhang, H. Nie, Y. Cao, Q. Wang, H. Wang</td>
<td>Harbin Institute of Technology (China)</td>
</tr>
<tr>
<td>2V</td>
<td>A new FOD recognition algorithm based on multi-source information fusion and experiment analysis</td>
<td>Y. Li, G. Xiao</td>
<td>Shanghai Jiaotong Univ. (China)</td>
</tr>
<tr>
<td>2W</td>
<td>Ground experiment of infrared characteristics of space target</td>
<td>W. Ke, G. Cai, D. Zhu, W. Shen</td>
<td>Beihang Univ. (China); J. Liu, W. Wang, L. Yuan, National Key Lab. of Science and Technology (China)</td>
</tr>
<tr>
<td>2X</td>
<td>Photoelectron characteristics of HgInTe detector</td>
<td>L. Zhang, X. L. Zhang, W. G. Sun, Z. X. Lu</td>
<td>Luoyang Optoelectronic Technology Development Ctr. (China)</td>
</tr>
<tr>
<td>2Y</td>
<td>The underwater camera calibration based on virtual camera lens distortion</td>
<td>D. Qin, T. Mao</td>
<td>Southwest Petroleum Univ. (China); P. Cheng, Z. Zhang, The Chinese People's Liberation Army (China)</td>
</tr>
<tr>
<td>2Z</td>
<td>Anomalous hall effect in arsenic-doped HgCdTe grown by Te-rich LPE</td>
<td>G.-Y. Qiu, C.-J. Zhang, Y.-F. Wei, X.-J. Chen, Q.-Q. Xu, J.-R. Yang</td>
<td>Shanghai Institute of Technical Physics (China)</td>
</tr>
<tr>
<td>30</td>
<td>Distribution of thermal discharge from a power station based on HJ-1B and FY-3 thermal infrared data</td>
<td>Y. Zhou, C. Gong, Y. Hu, Q. Chen</td>
<td>Shanghai Institute of Technical Physics (China)</td>
</tr>
<tr>
<td>31</td>
<td>Research of spectral curvature correction method for hyperspectral images</td>
<td>L. Li, Y. Hu, Y. Wang</td>
<td>Shanghai Institute of Technical Physics (China)</td>
</tr>
<tr>
<td>32</td>
<td>The research of piezoelectric actuator for cryogenic scanning application</td>
<td>X. Zhang, G. Zhao, M. Pan</td>
<td>Shanghai Institute of Technical Physics (China)</td>
</tr>
</tbody>
</table>
8193 33 **Measurement of defect depth by peak second derivative method in pulse thermography**
L. Feng, R. He, Y. Zhang, Capital Normal Univ. (China)

8193 34 **Risk analysis on fabrication process of IRFPA**
H. Wang, Northwestern Polytechnical Univ. (China) and Luoyang Opto-electro Technology Development Ctr. (China); X. Qin, Northwestern Polytechnical Univ. (China)

8193 35 **Study of the characteristics of VLWIR HgCdTe photovoltaic detectors in variable-area diode test structures**
X. Xie, H. Hua, G. Qiu, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); Q. Liao, X. Hu, Shanghai Institute of Technical Physics (China)

8193 36 **A detecting algorithm of infrared armor target under complex ground background based on morphological wavelet**

8193 37 **Pulsed thermography detection of water and hydraulic oil intrusion in the honeycomb sandwich structure composite**
S. Zhao, Beijing Univ. of Aeronautics and Astronautics (China); C. Zhang, Capital Normal Univ. (China); N. Wu, Beijing Univ. of Aeronautics and Astronautics (China)

8193 38 **Fabrication of vanadium dioxide polycrystalline films with higher temperature coefficient of resistance**
J. Li, N. Yuan, M. Jiang, L. Kun, Changzhou Univ. (China)

8193 39 **Research on readout circuit for PVDF pyroelectric infrared detector**
B. Ye, Shanghai Institute of Technical Physics (China) and Graduate Univ. of Chinese Academy of Sciences (China); Y. Yuan, Shanghai Institute of Technical Physics (China); F. Liu, Shanghai Institute of Technical Physics (China) and Graduate Univ. of Chinese Academy of Sciences (China); X. Li, J. Sun, X. Meng, Shanghai Institute of Technical Physics (China); N. Cai, Shanghai Key Lab. of Criminal Scene Evidence (China)

8193 3A **Characterization of CdTe passivation layers grown by evaporation with thermal treatments**
J. Xu, H. Li, X. Chen, Y. Wei, C. Lin, J. Yang, Shanghai Institute of Technical Physics (China)

8193 3B **The effect of depth on the quantitative estimation of defect size using pulsed thermography**
T. Feng, C. Zhang, L. Feng, Capital Normal Univ. (China)

8193 3C **Stripe noise reduction in MODIS data: a variational approach**
N. Ma, Southeast Univ. (China) and PLA Univ. of Science & Technology (China); Z. Zhou, PLA Univ. of Science & Technology (China); L. Luo, Southeast Univ. (China); M. Wang, PLA Univ. of Science & Technology (China)
<table>
<thead>
<tr>
<th>Paper ID</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>8193 3D</td>
<td>Analysis of pn-junction degeneration in heating process for extended wavelength InGaAs detectors</td>
<td>Y. Zhu, H. Deng, P. Wei, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); X. Li, H. Gong, Shanghai Institute of Technical Physics (China)</td>
</tr>
<tr>
<td>8193 3E</td>
<td>Recognition of distorted target based on Mexican hat optimum trade-off maximum average correlation height algorithm</td>
<td>J. Shang, C. Chen, W. Wang, Changchun Univ. of Science and Technology (China)</td>
</tr>
<tr>
<td>8193 3F</td>
<td>In-field stray light due to surface scattering effects in infrared imaging systems</td>
<td>K. Sun, H. Jiang, X. Cheng, National Univ. of Defense Technology (China)</td>
</tr>
<tr>
<td>8193 3G</td>
<td>Bonding quality evaluation of wind turbine blades by pulsed thermography</td>
<td>R. He, D. Kong, Capital Normal Univ. (China); Z. Zeng, Chongqing Normal Univ. (China); N. Tao, C. Zhang, L. Feng, Capital Normal Univ. (China)</td>
</tr>
<tr>
<td>8193 3H</td>
<td>Design of infrared telephoto lenses for joint transform correlator</td>
<td>Y. Zhang, J. Shang, Z. Li, W. Wang, Changchun Univ. of Science and Technology (China)</td>
</tr>
<tr>
<td>8193 3I</td>
<td>A novel junction profile measurement in HgCdTe epilayer by laser beam induced current</td>
<td>H. Li, J. Xu, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); S. Zhou, C. Lin, L. He, Shanghai Institute of Technical Physics (China)</td>
</tr>
<tr>
<td>8193 3J</td>
<td>A novel 512x8 ROIC with time-delayed-integration for MW infrared focal plane array</td>
<td>J. Zhang, Q. Feng, H. Chen, A. Huang, R. Ding, Y. Ni, Shanghai Institute of Technical Physics (China)</td>
</tr>
<tr>
<td>8193 3K</td>
<td>Identification of spilled oils by NIR spectroscopy technology based on KPCA and LSSVM</td>
<td>A. Tan, W. Bi, Yanshan Univ. (China)</td>
</tr>
<tr>
<td>8193 3L</td>
<td>The design and simulation of single detector MIR spectrometer based on MEMS scanning mirror</td>
<td>Z. Zhang, Z. Wen, T. Zeng, K. Wei, Chongqing Univ. (China)</td>
</tr>
<tr>
<td>8193 3M</td>
<td>The research of infrared image segmentation based on mathematical morphology</td>
<td>Y. Wang, Electronic Engineering Institute (China); S. Yin, Electronic Engineering Institute (China) and Tsinghua Univ. (China); X. Wu, Electronic Engineering Institute (China)</td>
</tr>
<tr>
<td>8193 3N</td>
<td>Research on IRST operating range model for point target based on natural sky background</td>
<td>J. Wang, W. Jin, Z. Gao, X. Wang, Beijing Institute of Technology (China)</td>
</tr>
<tr>
<td>8193 3O</td>
<td>Research on the sampling performance of the focal plane array thermal imaging systems</td>
<td>J. Cui, J. Wang, W. Jin, Z. Gao, T. Bai, Beijing Institute of Technology (China)</td>
</tr>
<tr>
<td>Volume 8193</td>
<td>Title</td>
<td>Authors</td>
</tr>
<tr>
<td>------------</td>
<td>----------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>3P</td>
<td>The effect of infrared and visible image fusion on object tracking</td>
<td>S. Yin, L. Cao, G. Jin, Tsinghua Univ. (China)</td>
</tr>
<tr>
<td></td>
<td>using correlation matching</td>
<td></td>
</tr>
<tr>
<td>3Q</td>
<td>Analysis and design of a low-noise ROIC for hybrid InGaAs infrared</td>
<td>W. Zhang, S. Huang, Z. Huang, J. Fang, Shanghai Institute of Technical Physics (China)</td>
</tr>
<tr>
<td></td>
<td>FPA</td>
<td></td>
</tr>
<tr>
<td>3R</td>
<td>Infrared imaging based on quantum dot optical phase modulation</td>
<td>G. Chen, Chongqing Univ. (China); T. Yang, Stevens Institute of Technology (United States); C. Peng, Chongqing Univ. (China); R. Martini, Stevens Institute of Technology (United States)</td>
</tr>
<tr>
<td>3S</td>
<td>Construction, parameters, and research results of thermal weapon</td>
<td>T. Sosnowski, H. Madura, G. Bieszczad, M. Kastek, K. Chmielewski, Military Univ. of</td>
</tr>
<tr>
<td></td>
<td>sight</td>
<td>Technology (Poland)</td>
</tr>
<tr>
<td>3T</td>
<td>Study of polishing of HgCdTe wafers</td>
<td>L. Zhang, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chinese Academy of Sciences (China); H. Qiao, J. Xu, X. Li, Shanghai Institute of</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Technical Physics (China)</td>
</tr>
<tr>
<td>3U</td>
<td>A new small and dim targets detection and recognition algorithm</td>
<td>B. Wang, G. Lu, Xidian Univ. (China); L. Bai, China Academy of Electronics and Information</td>
</tr>
<tr>
<td></td>
<td>based on infrared dual bands imaging system</td>
<td>Technology (China); Q. Li, Institute of Microelectronics (China); S. Liu, Xidian Univ.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(China)</td>
</tr>
<tr>
<td>3V</td>
<td>Design of readout integrated circuit structure for single and dual</td>
<td>T.-P. Sun, Y.-C. Lu, H.-L. Shieh, S.-S. Shiu, Y.-T. Liu, National Chi Nan Univ. (Taiwan);</td>
</tr>
<tr>
<td></td>
<td>band infrared detector with variable integration time</td>
<td>S.-F. Tang, W.-J. Lin, Chung-Shan Institute of Science &amp; Technology (Taiwan)</td>
</tr>
<tr>
<td></td>
<td>and performance</td>
<td>of Technology (Poland)</td>
</tr>
<tr>
<td>3X</td>
<td>Multisensor systems for security of critical infrastructures:</td>
<td>M. Kastek, R. Dulski, M. Życzkowski, M. Szustakowski, W. Ciorapiński, K. Firmanty, N.</td>
</tr>
<tr>
<td></td>
<td>concept, data fusion, and experimental results</td>
<td>Pałka, G. Bieszczad, Military Univ. of Technology (Poland)</td>
</tr>
<tr>
<td>3Y</td>
<td>Spectral measurements of muzzle flash with multispectral and</td>
<td>M. Kastek, R. Dulski, P. Trzaskawka, T. Piątkowski, H. Polakowski, Military Univ. of</td>
</tr>
<tr>
<td></td>
<td>hyperspectral sensor</td>
<td>Technology (Poland)</td>
</tr>
<tr>
<td>3Z</td>
<td>Nonuniformity correction algorithm based on Gaussian mixture model</td>
<td>X. Mou, G. Zhang, R. Hu, X. Zhou, Huazhong Univ. of Science and Technology (China)</td>
</tr>
<tr>
<td>Page No.</td>
<td>Title</td>
<td>Authors</td>
</tr>
<tr>
<td>---------</td>
<td>----------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>40</td>
<td>Adaptive infrared image enhancement algorithm based on improved UM technique</td>
<td>X. Wang, Q. Wu, W. Wang, M. He, Air Defense Forces Command Academy (China); Y. Liu, Air Defense Forces Command Academy (China) and Zhejiang Univ. (China)</td>
</tr>
<tr>
<td>41</td>
<td>The modulated photocurrent of amorphous HgCdTe thin films</td>
<td>L. Yu, Y. Shi, J. Zhuang, X. Li, G. Deng, L. Yang, W. He, Kunming Institute of Physics (China)</td>
</tr>
<tr>
<td>42</td>
<td>Infrared image enhancement algorithm based on multiscale retinex with adaptive surround space constant</td>
<td>Y. Liu, Zhejiang Univ. (China) and Air Defense Forces Command Academy (China); X. Wang, J. He, M. He, Y. Zhang, Air Defense Forces Command Academy (China)</td>
</tr>
<tr>
<td>43</td>
<td>Analysis and simulation of the infrared characteristics of the aerial target</td>
<td>S. Ma, X. Li, N. Zhao, Electronic Engineering Institute (China)</td>
</tr>
<tr>
<td>44</td>
<td>The characteristic analysis and optimization design for HgCdTe TDI infrared detector array</td>
<td>M. Dong, X. Chen, G. Qiu, X. Xie, Shanghai Institute of Technical Physics (China)</td>
</tr>
<tr>
<td>45</td>
<td>Algebraic nonuniformity correction algorithm based on multiscale optical flow</td>
<td>M. He, X. Wang, Q. Wu, Air Defense Forces Command Academy (China); Y. Liu, Air Defense Forces Command Academy (China) and Zhejiang Univ. (China); H. Xu, D. Guo, Air Defense Forces Command Academy (China)</td>
</tr>
<tr>
<td>46</td>
<td>Modify model for infrared dim target detection</td>
<td>R. Hu, X. Zhou, Huazhong Univ. of Science and Technology (China); G. Zhang, Luoyang Institute of Electro-optical Equipment (China); G. Zhang, Huazhong Univ. of Science and Technology (China)</td>
</tr>
<tr>
<td>47</td>
<td>Spray coater technology in HgCdTe third-generation infrared focal plane arrays</td>
<td>W. Yin, Shanghai Institute of Technical Physics (China) and Graduate Univ. of the Chinese Academy of Sciences (China); Z. Ye, W. Ma, Y. Chen, X. Hu, Shanghai Institute of Technical Physics (China)</td>
</tr>
<tr>
<td>48</td>
<td>Quantitative measurement of screening rate by a thermal imager</td>
<td>X. Li, S. Ma, N. Zhao, Y. Guo, Electronic Engineering Institute (China)</td>
</tr>
<tr>
<td>49</td>
<td>Linear-mode characters of near-infrared wavelength InGaAs APDs for optical communication</td>
<td>W. He, K. Du, C. Wang, Z. Sun, Y. Jiang, G. Zhai, Ctr. for Space Science and Applied Research (China)</td>
</tr>
<tr>
<td>4A</td>
<td>The different electrical responses of HgCdTe and InSb photovoltaic infrared detectors under pulsed laser irradiation</td>
<td>X. Zheng, X. Cheng, T. Jiang, H. Jiang, National Univ. of Defense Technology (China)</td>
</tr>
<tr>
<td>4B</td>
<td>Small target detection in infrared clutter using dark channel prior and improved local entropy</td>
<td>Z. Mao, L. Sun, Beijing Univ. of Technology (China); Y. Mao, Univ. of Central Lancashire (United Kingdom); A. Gao, Y. Qin, Beijing Univ. of Technology (China)</td>
</tr>
</tbody>
</table>
An inversion algorithm for retrieval of aerosol optical and physical properties from ground-based solar and sky radiance [8193-155]
L. Qie, Anhui Insitute of Optics and Fine Mechanics (China) and Graduate School of the Chinese Academy of Sciences (China); Q. Xu, H. Wei, Anhui Institute of Optics and Fine Mechanics (China)

Study on infrared detection data read out technologies [8193-156]
J. Yu, Beihang Univ. (China) and North Univ. of China (China); Y. An, North Univ. of China (China) and Beihang Univ. (China); S. Bi, Beihang Univ. (China)

Study on detecting CFRP composites using pulsed infrared thermography [8193-157]
Y. Huo, Beijing Institute of Technology (China); H.-J. Li, China Aero-Polytechnology Establishment (China); Y.-J. Zhao, Beijing Institute of Technology (China); C.-L. Zhang, Capital Normal Univ. (China)

A grayscale image color transfer method based on region texture analysis using GLCM [8193-158]
Y. Zhao, L. Wang, W. Jin, Y. Luo, J. Li, Beijing Institute of Technology (China)

Experimental study on the responsivity enhancement of Mn1.56Co0.96Ni0.48O4 detector under moderate bias field [8193-159]
W. Zhou, Y. Hou, Y. Q. Gao, L. Zhang, Z. M. Huang, Shanghai Institute of Technical Physics (China)

Prediction of time to go of IR imaging GIF [8193-160]

Infrared thermography non-destructive evaluation of lithium-ion battery [8193-161]
Z. Wang, Z. Li, Q. Liu, Univ. of Electronic Science and Technology of China (China)

Study of PZT thick-film infrared detectors prepared by MEMS technology [8193-162]
X.-P. Qiang, G.-W. Chuan, B.-L. Wen, L.-Z. Wan, Q.-C. Jia, Univ. of Electronic Science and Technology of China (China)

Thermal battery infrared monitoring system design based on virtual instrument technology [8193-163]
Q. Qin, Z. Liu, Shanghai Second Polytechnic Univ. (China); L. Jiang, Shanghai Institute of Space Power Sources (China)

Small infrared target detection algorithm based on mathematical morphology [8193-164]
F. Jiang, M. Jin, L. Song, China Aerospace Science & Industry Corp. (China)

Method research on the calculation atmospheric path radiation in foggy weather [8193-165]
J. Gu, W. Xu, Dalian Maritime Univ. (China)

An effective recognition algorithm for multiple targets under sea surface background [8193-166]
J. Wang, Tianjin Univ. (China) and The JinHang Computational Technology Research Institute (China); B. Zhang, The JinHang Computational Technology Research Institute (China)
Denoising approach for remote sensing image based on anisotropic diffusion and wavelet transform algorithm [8193-167]
X. Wang, W. Lai, North China Electric Power Univ. (China)

An airborne thematic thermal infrared and electro-optical imaging system [8193-168]
X. Sun, Flight Landata, Inc. (United States); P. Shu, NASA Goddard Space Flight Ctr. (United States)

A fast algorithm for wide baseline match basing on feature points filtration [8193-169]
Z. Zhang, Z. Cao, Huazhong Univ. of Science and Technology (China)

A real-time restoring method for infrared images degraded by high-speed airflow [8193-170]
Q. Mi, J. Fei, C. Chen, Beijing Institute of Electronic Engineering (China)

Author Index
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Jiancheng Fang, Beijing University of Aeronautics and Astronautics (China)
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Introduction

We have had the great honor to organize the 4th International Symposium on Photoelectronic Detection and Imaging in Beijing; it follows ISPDI2009 held also in Beijing in 2009. More than 1000 participants attended ISPDI 2011. The symposium provided a forum for the participants to report and review ideas and up-to-date comprehensive progress and developments and to discuss the novel approaches to application areas in the field of photoelectronic detection and imaging.

There were 720 papers accepted for presentation at ISPDI 2011, contributed by over 1,200 authors from nearly 20 countries, including: United States, Canada, Russia, United Kingdom, Germany, Ireland, Belgium, Poland, Czech Republic, South Africa, Australia, Korea, Japan, India, Malaysia, Singapore, China, and so on. We have nearly 100 international famous scientists and experts as invited speakers. The invited papers covered topics such as sensor and micromachined optical device technologies, laser sensing and imaging, infrared imaging and applications, imaging detector and applications, terahertz wave technologies and applications, space exploration technologies and applications, and related technologies and applications. It is sincerely hoped that the research and development in photoelectronic detection and imaging will be promoted, and the international cooperation sharing the common interest will be enhanced.

I would like to heartily to thank our sponsors and cooperative organizations for all they have done for the symposium. Thanks also to all the authors for their contributions to these proceedings, to all of the participants and friends for their interest and efforts in helping to make the symposium possible, to the organizing committee and the program committee for their effective work an valuable advice, especially the ISPDI2011 Secretariat, and to the SPIE staff for their tireless effort and outstanding service in preparing and publishing the conference proceedings.

Again, we extend our warmest greetings to you and hope you have had a rewarding and exciting stay during ISPDI 2011.

Guofan Jin
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