

第五届国际光电子探测与成像技术学术交流会议征文通知

International Symposium on Photoelectronic Detection and Imaging 2013

会议网站: www.ispdiconf.org



重要时间: 会议时间: 2013年6月25-27日

摘要截稿: 2013年2月28日(第一轮)

发起单位: 中国宇航学会 中国光学学会 中国兵工学会 中国电子学会 北京光学学会

主办单位: 国际光学工程学会(SPIE) 美国光学学会(OSA)

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合作期刊: *Optical Engineering* (SCI)、*Optics Communications* (SCI)、红外与激光工程(EI)、强激光与粒子束(EI)

投稿要求: (投稿网址 http://www.manuscript-cnoenet.com/index_en.htm)

请作者登陆会议网站先提交英文摘要,摘要长度为300-400个单词,详细要求参见会议网站。收到录用通知后,请按要求将论文全文提交至SPIE网站。

论文发表:

会议论文通过大会学术委员会专家审查后,将在ISPD 2013论文集上发表,论文集由SPIE出版(EI核心收录)。部分优秀论文(约15%)将被推荐到会议合作期刊正式发表。会后约半年作者能够在EI数据库检索到文章。

会议论文EI收录情况:

ISPD 2011: 会议共录用稿件744篇,最终EI收录率为100%; ISPD 2013: 预计EI收录率为100%。

征文范围: (详细内容请查询会议网站 www.ispdiconf.org)

Conf. 1: High Power Lasers and Applications (高功率激光器及其应用)

主席: Andreas Tünnermann (Friedrich-Schiller-Univ. Jena, Germany)

刘泽金(国防科技大学) 巩马理(清华大学) 王璞(北京工业大学)

唐淳(中国工程物理研究院应用电子学研究所)

- ★ High power solid state lasers
- ★ High power fiber lasers
- ★ Advanced lasers in industry processing applications
- ★ Advanced lasers in civil engineering applications, etc

Conf. 2: Laser sensing and imaging and applications (激光传感与成像技术)

主 席: Farzin Amzajerjian (NASA Langley Research Center, USA)

Astrid Aksnes (Norwegian University of Science and Technology, Norway)

陈卫标 (中国科学院上海光学精密机械研究所) 高春清 (北京理工大学)

郑永超 (北京空间机电研究所) 王 成 (中科院数字观测与数字地球科学中心)

- ★ Novel laser technologies
- ★ Photon-counting detectors
- ★ Laser spectroscopy for biomedical applications
- ★ Laser sensing and imaging technologies and systems
- ★ Lidar/ladar systems
- ★ Applications of laser sensing and imaging system (such as industrial and agricultural fields, climate monitoring, space, ocean, health) , etc

Conf. 3: Laser communication technologies and systems (激光通信技术及系统)

主 席: Keith E. Wilson (Jet Propulsion Laboratory, California Institute of Technology, USA)

马 晶 (哈尔滨工业大学) 刘立人 (中国科学院上海光学精密机械研究所) 姜会林 (长春理工大学)

- ★ Laser communication sources
- ★ Detectors and receivers
- ★ Laser propagation and modeling
- ★ Space laser communications
- ★ Ground-based laser communications
- ★ Under-water laser communications, etc

Conf. 4: Infrared imaging and applications (红外成像技术及应用)

主 席: Jeffery J. Puschell (Raytheon Space Airborne Systems, USA) Jens Nieke (European Space Agency)

龚海梅 (中国科学院上海技术物理研究所) 史泽林 (中国科学院沈阳自动化研究所)

陈 钱 (南京理工大学) 卢 进 (天津津航技术物理研究所)

- ★ IR detector materials and devices
- ★ IR cameras and systems
- ★ Information acquisition and signal processing technologies
- ★ Testing and simulation technologies
- ★ Environment characteristics of target and atmospheric transmission
- ★ Applications in remote sensing, navigation, communication, environmental protection, public security, medicine and industrial inspection, etc

Conf. 5: Imaging sensors and applications (成像传感器技术及应用)

主 席: Jun Ohta (Nara Institute of Science and Technology, Japan)

吴南健 (中科院半导体研究所) 李斌桥 (天津大学) 张 坤 (中国电子科技集团第 44 研究所)

- ★ Single-photon detection technologies
- ★ Design, fabrication and testing of image sensors

- ★ New sensor calibration methodologies and techniques
- ★ High speed image sensor
- ★ Three-dimensional image sensors
- ★ Intelligent recognition technologies and industry applications
- ★ Computational image sensor
- ★ Image sensor application systems
- ★ Ultraviolet detection technologies
- ★ Ultraviolet image sensor, etc

Conf. 6: Terahertz technologies and applications (太赫兹技术及应用)

主 席: Nasser Peyghambarian (University of Arizona, USA) Peter Powers (University of Dayton, USA)

史 伟 (天津大学) 施建成 (中国科学院遥感应用研究所) 张存林 (首都师范大学)

- ★ THz generation and detection
- ★ THz photonic devices
- ★ THz spectroscopy and imaging
- ★ THz communication and radar
- ★ THz wave for biomedical application
- ★ THz non-destructive testing
- ★ Interaction of THz radiation with matters, etc

Conf. 7: Imaging spectrometer technologies and applications (成像光谱技术及应用)

主 席: Bormin Huang (University of Wisconsin-Madison, USA)

张立福 (中国科学院遥感应用研究所) 杨建峰 (中国科学院西安光学精密机械研究所)

- ★ Imaging spectrometer system development
- ★ Spectrometers and hyperspectral sensors: design and calibration
- ★ New measurement techniques and instrument concepts
- ★ Instrument characterizations, testing and demonstrations
- ★ Hyperspectral data preprocessing
- ★ Algorithm development and assessment
- ★ Airborne and satellite hyperspectral applications
- ★ Field imaging spectrometer data applications
- ★ Biologic and Medicinal spectral applications, etc

Conf. 8: Micro/nano optical imaging technologies and applications (微纳光学成像技术及应用)

主 席: Min Gu (Swinburne University of Technology, Australia)

袁小聪 (南开大学) 仇 旻 (浙江大学)

- ★ Micro/nano scale optical imaging and display technologies
- ★ Diffractive and micro/nano optical elements and imaging systems
- ★ Novel optical imaging technologies in near field optics, plasmonics and ultrafast optics
- ★ Super-resolution microscopy and imaging technology
- ★ Nano/microchemical sensors
- ★ Applications of optical trapping and manipulation
- ★ Biomedical sensors and applications, etc

Conf. 9: Low-light-level technology and applications (微光夜视技术及应用)

主 席: 郭 晖 (北方夜视科技集团、微光夜视技术重点实验室) 常本康 (南京理工大学)

- ★ Development and tendency of night vision technology on low-light-level
- ★ Device technology of night vision technology on low-light-level

- ★ Systematic technology of night vision technology on low-light-level
- ★ Analog simulation and measurement assessment technology on device and system performance of night vision technology on low-light-level
- ★ Applications of night vision technology on low-light-level, etc

Conf. 10: Optical storage and display technology (光存储与显示技术)

主 席: Yoshimasa Kawata (Shizuoka University, Japan)

谢长生 (华中科技大学) 苏翼凯 (上海交通大学) 曹良才 (清华大学)

- ★ Optical information storage and display systems
- ★ Photoelectronic devices and integration for storage and display
- ★ Optical sources, SLM, actuators, and detectors
- ★ Advanced optical materials for storage and display
- ★ Advanced optical structures for storage and display
- ★ 3D displays and imaging
- ★ Diffractive optics and micro-optics
- ★ New principles and new methods for optical storage and display
- ★ Signal and image coding and processing methods
- ★ Applications of optical storage and display systems, etc

Conf. 11: Optical fiber sensors and applications (光纤传感器技术及应用)

主 席: 廖延彪 (清华大学) 饶云江 (电子科技大学)

- ★ Optical coherence tomography (OCT)
- ★ Fiber-optic chemical and biological sensors
- ★ Fiber-optic devices for sensing and imaging, etc

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