

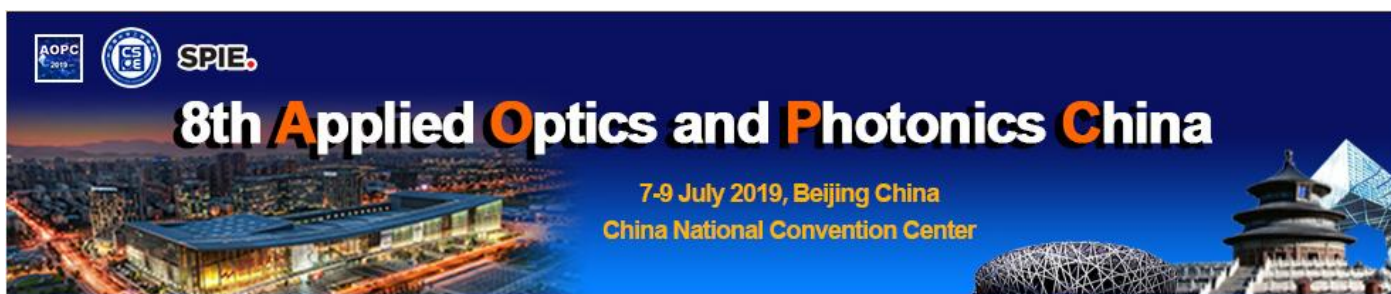


8th Applied Optics and Photonics China

第 8 届国际应用光学与光子学技术交流大会

<https://www.csoe.org.cn/meeting/AOPC2019/>

2019 年 7 月 7-9 日 北京国家会议中心(CNCC)



由中国光学工程学会（CSOE）与国际光学工程学会（SPIE）共同主办“第8届国际应用光学与光子学技术交流大会（AOPC2019）”定于2019年7月7-9日在北京国家会议中心举办。AOPC2019每两年一届，是中国光学工程学会年会，本届大会有11个分会，规模千余人。组委会力邀200余位国内外著名科学家、学术领军专家特邀出席并做精彩报告。大会期间将举办中国光学工程学会第三届光学工程优博和第四届科技创新奖颁奖盛典！

大会征文已开通，欢迎广大科研人员、研究生、博士生积极投稿参与会议交流！通过评审的投稿将推荐到SCI期刊、Ei期刊和Ei文集正式发表。本届大会组委会将评选优秀青年论文奖，获奖作者颁发荣誉证书并有资格参加第四届光学工程优博评选。**第二轮摘要截稿时间：2019年4月30日。**

主办方：

中国光学工程学会（CSOE）

SPIE

名誉主席：

金国藩（清华大学）

庄松林（上海理工大学）

Toyohiko Yatagai (Utsunomiya University, Japan)

大会主席：

张广军（东南大学）

Byoung-ho Lee (Seoul National University, Korea)

John Greivenkamp (The University of Arizona, USA)

大会共主席（音序）：

褚君浩院士（中国科学院上海技术物理研究所）

戴琼海院士（清华大学）

范滇元院士（深圳大学）

房建成院士（北京航空航天大学）

顾敏院士 (Royal Melbourne Institute of Technology University, Australia)

姜德生院士（武汉理工大学）

姜会林院士（长春理工大学）

吕跃广院士（中国工程院）

刘盛纲院士（电子科技大学）

刘泽金院士（国防科技大学）

王立军院士（中科院长春光学精密机械与物理研究所）

王巍院士（中国航天科技集团公司）

王建宇院士（中国科学院上海分院）

许祖彦院士（中国科学院理化技术研究所）

谭久彬院士（哈尔滨工业大学）

姚建铨院士（天津大学）

余少华院士（武汉邮电科学研究院）

周寿桓院士（华北光电技术研究所）

技术分会：

Conf1: Advanced Laser Materials and Laser Technology

Chair:

Shibin Jiang (AdValue Photonics Inc, USA)

Co-Chair:

Takunori TAIRA (RIKEN SPring-8 Center (RSC), Japan)

周朴（国防科技大学）

Topics:

Crystals, glasses, ceramic and semiconductors gain materials

Nonlinear materials and optics

Fibers and waveguides

Short pulse and ultrashort pulse lasers

High peak power lasers

Fiber lasers

Beam combination

Laser micro and nano processing

New Laser applications

Other related technologies

Conf2: THz Technology and Applications

Chairs:

刘盛纲（电子科技大学）

庄松林（上海理工大学）

Weili Zhang (University of Dayton, USA)

Topics:

Terahertz radiation technology

Terahertz detection and detection technology

Terahertz transmission technology
Terahertz regulation technology
Terahertz interaction with matter
Terahertz wireless communication
Terahertz imaging
Terahertz spectroscopy
Terahertz interdisciplinary research
Other related technologies

Conf3: Optoelectronic Devices and Integration

Chair:

周治平 (北京大学)

Topics:

Semiconductor lasers and LEDs
Light detection and devices
Silicon Photonics
New material platform for optoelectronics
Optoelectronic integration
Other related technologies

Conf4: Display Technology and Optical Storage

Chairs:

Byoungho Lee (Seoul National University, Korea)

王涌天 (北京理工大学)

Topics:

Optical memories for big data storage
Display technology and process
Laser and light sources
Optical components
Imaging technologies and devices
Image quality and human vision
Holographic storage and 3D displays technology
Laser display
VR/AR display technology
Innovative materials for advanced photonic applications
Emerging techniques
Systems and applications

Other related technologies

Conf5: Nano Photonics

Chair:

袁小聪 (深圳大学)

Co-Chairs:

戴道铎 (浙江大学)

Topics:

Nanostructures, nanomaterials, and their fundamental properties

Optoelectronic materials and devices

Micro/nano manufacturing and metrology

Plasmonics and meta-materials

Applications of nano photonics

Other related technologies

Conf6: Optical Spectroscopy and Imaging

Chairs:

俞 进 (上海交通大学)

王 哲 (清华大学)

International Chair:

Vincenzo Palleschi (National Research Council (CNR), Institute of Chemistry of Organometallic Compounds (ICCOM), Italy)

Topics:

Molecular spectroscopy and dynamics

Ultrashort, time-resolved and nonlinear spectroscopies

Infrared spectroscopy

Raman spectroscopy, SERS

Laser-induced breakdown spectroscopy

ICP and glow-discharge optical emission spectroscopy

X-ray fluorescence spectroscopy

Tunable diode laser absorption spectroscopy

Terahertz spectroscopy

Data science, data mining, machine learning, chemometrics,

Advanced instrumentation

Industrial, environmental, food, security, biomedical, deep-sea and space applications

Other related technologies

Conf7: Optical Sensing and Imaging Technology

Chairs:

John Greivenkamp (The University of Arizona, USA)

蒋亚东（电子科技大学）
龚海梅（中国科学院上海技术物理研究所）
卢进（天津津航技术物理研究所）

Co-Chair:

刘东（浙江大学）

Topics:

Ultra-violet, visible and infrared sensing and imaging technology
Millimeter, sub-millimeter, and far-infrared detectors and instrumentation
Novel laser radar technology
Environment characteristics of target and atmospheric transmission
Combination of active and passive optical sensing
Image processing and analysis
Automatic target detection, recognition and tracking
Cryogenic optics technology
Other related technologies

Conf8: Quantum Information Technology

Chair:

王建宇（中国科学院上海分院）

Co-Chair:

陆朝阳（中国科技大学）
Sven Hofling（University of Wurzburg, Germany）

Topics:

Fundamental Quantum Tests
Quantum Optics
Quantum Cryprography
Free-Space Quantum Communications
Quantum Tele-Communications
Quantum Memory and Repeaters
Single-Photon Sources
Integrated Quantum Photonics
Single-Photon Detection
Quantum Imaging and Metrology
Quantum Simulation and Computing
Other related technologies

Conf9: Optical Fiber Sensors and Communication

Chairs:

Xiaoyi Bao (University of Ottawa, Canada)

Perry Shum (Nanyang Technological University, Singapore)

刘德明 (华中科技大学)

纪越峰 (北京邮电大学)

唐雄燕 (中国联通)

张成良 (中国电信股份有限公司)

Topics:

Novel optical fiber sensor and system

Special optical fiber, fiber optic gyro technology

Optical communications and networking

5G technology

Big data in optical communications and networking

Optical fiber and optical cable

Other related technologies

Conf10: Space Optics, Telescopes and Instrumentation

Chairs:

Carl Nardell (Google, USA)

张学军 (中国科学院长春光机所)

薛随健 (中国科学院国家天文台)

Co-Chair:

张紫阳 (西湖大学)

Topics:

High resolution earth imaging, geolocation and mapping

Nano and cube satellites

Weather satellites

Space telescopes and instrumentation: ultraviolet, optical, infrared, and millimeter wave

Optical and IR interferometry and imaging

Adaptive optics systems

High-energy, optical, and infrared detectors in astronomy

Astrophotonics

Novel optical fibers in telescope systems

Other related technologies

Conf11: AI in Optics and Photonics

Chairs:

Jun TANIDA (Osaka University, Japan)

戴琼海 (清华大学)

Topics:

Deep learning theory

Automatic target recognition based on deep learning
Feature extraction method based on deep learning
Biometrics based on the deep learning
Underlying image processing methods based on the deep learning
Target recognition and tracking based on deep learning
Super-resolution imaging based on deep learning
Other related technologies

支持期刊:

Journal of Electronic Imaging (SCI) 、 *Journal of Applied Remote Sensing* (SCI) 、 *Optical Engineering* (SCI) 、 *Journal of Micro/Nanolithography, MEMS, and MOEMS* (SCI) 、 *Photonic Sensors* (SCI)、《红外与激光工程》 (Ei)、《中国光学》 (ESCI、 Ei)、《光子学报》 (Ei)、 SPIE Proceedings (Ei), etc.

投稿须知:

摘要投递网址: http://www.manuscript-cnoenet.com/index_en.htm

投稿登陆网站提交英文摘要 (不少于500字), 组委会审查后发邮件通知作者录用情况。

英文摘要截止: **2019年4月30日 (第二轮)**, 英文全文提交截止: **2019年7月30日** (收到组委会通知后提交再全文)。

	The Proceedings of this conference will be published in the SPIE Digital Library with over 450,000 papers from other outstanding conferences and SPIE Journals and books from SPIE Press.
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