

OSA Topical Meeting II

Information Storage System and Technology (ISST)

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Dan Feng, Wuhan National Laboratory for Optoelectronics & Huazhong University of Science and Technology (China)

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Xiangshui Miao, Wuhan National Laboratory for Optoelectronics & Huazhong University of Science and Technology (China)

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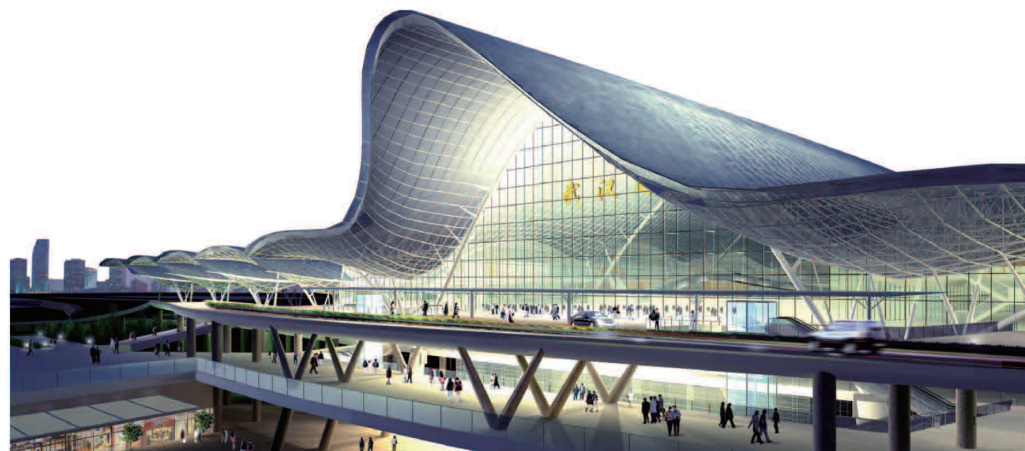
Peng Zhou, Fudan University (China)

Topics may include, but are not limited to:

- Nonvolatile semiconductor memories: PCRAM, MRAM, RRAM
- Memristor and non-von Neumann computing applications
- Brain-inspired neuromorphic computing
- Nonvolatile logic
- The storage for big data
- Storage provenance
- Cloud storage
- Data deduplication
- High-performance file systems
- Storage security
- Erasure coding
- Search and data retrieval
- Key-value and NoSQL storage
- In-memory storage systems
- Mobile storage
- Green computing and power management

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POEM 2017
International Photonics and OptoElectronics Meetings

The 10th International Photonics and OptoElectronics Meetings (POEM 2017)

Wuhan · China Nov. 3-5, 2017

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Welcome to POEM 2017, Wuhan!

It is a great pleasure and privilege to have you join us at the 10th International Photonics and OptoElectronics Meetings (POEM 2017) to be held on November 3-5, 2017, Wuhan, China, organized by Wuhan National Laboratory for Optoelectronics (WNLO) and The Optical Society (OSA).

POEM 2017 features two OSA Topical Meetings: Advanced Spectroscopy and Applications (ASA) and Information Storage System and Technology (ISST). The meetings will address all the aspects of advanced spectroscopy and information storage from fundamental research, the state-of-the-art projects and achievements to industry applications. ASA will give special emphasis to LIBS, Raman, CARS, THz, etc, and ISST will mainly focus on optical data storage, computer storage and data storage devices. Hundreds of technical invited and oral talks will be taken on, poster sessions are going to set up concurrently, and the best student paper awards are open to apply.

By bringing together the high-quality technical content, influential speakers worldwide, comprehensive topic categories and latest technologies, POEM 2017 is to serve as a platform on exchanging information on recent advances and future trends for researchers and their peers, and boosting brand for the enterprises.

POEM 2017 welcomes all your participation in this important international forum. It is open to all the individuals and entities worldwide that have interest in joining us by programming and organizing the activities including workshops, short courses, industry forums, etc.

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Ministry of Education of China (MOE)
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Host:



Huazhong University of Science and Technology (HUST)

Organizers:



Wuhan National Laboratory for Optoelectronics (WNLO)
The Optical Society (OSA)

Co-organizers:

Hubei Provincial Collaborative Innovation Center for Optoelectronics (HPCICO)
Key Laboratory of Data Storage System, Ministry of Education
National Engineering Research Center for Laser Processing
State Key Lab of Digital Manufacturing Equipment & Technology

Cooperating Societies:



IEEE Photonics Society (Singapore and Hongkong Chapters)
Institute of Physics (IOP)
The Institution of Engineering and Technology (IET)
Laser Institute of America (LIA)

Honoray Chairs:

Chaohui Ye, Wuhan Institute of Physics and Mathematics, CAS; Wuhan National Laboratory for Optoelectronics (China)
Bingkun Zhou, Tsinghua University (China)

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Qingming Luo, Wuhan National Laboratory for Optoelectronics & Huazhong University of Science and Technology (China)
Xinliang Zhang, Wuhan National Laboratory for Optoelectronics & Huazhong University of Science and Technology (China)
Jun Zhou, Wuhan National Laboratory for Optoelectronics & Huazhong University of Science and Technology (China)

OSA Topical Meeting I

Advanced Spectroscopy and Applications (ASA)

Chair:

Xiaoyan Zeng, Wuhan National Laboratory for Optoelectronics & Huazhong University of Science and Technology (China)

Co-chairs:

Yongfeng Lu, University of Nebraska Lincoln (USA)

Jinsong Liu, Wuhan National Laboratory for Optoelectronics & Huazhong University of Science and Technology (China)

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Jin Yu, Shanghai Jiaotong University (China)

Topics may include, but are not limited to:

- Laser-induced breakdown spectroscopy (LIBS)
- Laser-induced fluorescence spectroscopy (LIF)
- Raman spectroscopy
- Terahertz spectroscopy
- Hyperspectral imaging
- Nonlinear spectroscopy
- Absorption spectroscopy
- Infrared spectroscopy
- X-Ray analysis
- Mass spectroscopy
- Other spectroscopy

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