

POEM 2009

Photonics and Optoelectronics Meetings

Welcome to POEM 2009
Wuhan!

PHOTONICS AND OPTOELECTRONICS MEETINGS (POEM 2009)

August 8-10, 2009
Huazhong University of Science and Technology, Wuhan, China
www.wnlo.cn/POEM

Welcome to POEM 2009, Wuhan!

It is our great pleasure to invite you to attend the 2nd Photonics and Optoelectronics Meetings (POEM 2009), which will be held on Aug 8-10, 2009 in "the homeland of white cloud and yellow crane", Wuhan, China, in conjunction with the 8th International Conference on Photonics and Imaging in Biology and Medicine (PIBM2009). It is one of the most comprehensive events to provide an outstanding opportunity to share the latest information with the international experts in this field.

POEM 2008 made its debut with great success by attracting 700 representatives from more than 20 countries.

734 papers were contributed, including 348 oral presentations and 386 posters. 117 invited presentations were given by prominent experts and executives from home and abroad. Several state-of-the-art new technologies were introduced on the conference and in turn made great splashes in the field and industry.

POEM 2009 will enlarge its topics to fiber optical communication and sensors, industry laser and application, optoelectronic devices and integration, photonics and imaging in biology and medicine and optical storage and new storage technology. It emphasizes features of invited speakers of high level and great influence; latest achievements on the frontier of the field and rich content of oral and invited presentation, plenary discussion, short courses, hot topics, best student awards and student-focused poster session.

Wuhan, one of the major economic and industrial cities in China, is situated at the confluence of the Yangtze River and its greatest branch, with many unique sights scattered around its huge metropolis including East Lake, Yellow Crane Tower, Guiyuan Temple, Hubei Provincial Museum and Three Gorges, etc. We are sure you will enjoy your stay in Wuhan.

We are looking forward to your participation for POEM 2009 in Wuhan!

General Conference Chairs:



Chaohui Ye
Member of Chinese Academy of Sciences
Director, Wuhan National Laboratory for Optoelectronics (China)



Ahmed H. Zewail
1999 Nobel Prize Winner in Chemistry,
Physical Biology Center for Ultrafast Science
and Technology
California Institute of Technology (USA)



Bingkun Zhou
Member of Chinese Academy of Sciences,
Tsinghua University (China)

General Organizing Committee Chair:

Qingming Luo
Executive Deputy Director, Wuhan National Laboratory for Optoelectronics
Vice President, Huazhong University of Science and Technology (China)

Important Dates

Conference Dates: August 8-10, 2009
Abstract Due Date: May 8, 2009
Notification of Abstract Acceptance: June 8, 2009
Manuscript Due Date: July 15, 2009
Notification of Paper Acceptance: August 20, 2009

International Advisory Committee:

Peigen Li, Huazhong University of Science & Technology (China) -- Chair
Victor V. Apollonov, General Physics Institute (Russia)
Hegao Cai, Harbin Institute of Technology (China)
Britton Chance, University of Pennsylvania (USA)
Ruiliang Chen, Laval University (Canada)
Yong Chen, Ecole Normale Supérieure (France)
Connie Chang-Hasnain, University of California at Berkeley (USA)
Russell D. Dupuis, Georgia Institute of Technology (USA)
Don Giddens, Georgia Institute of Technology (USA)
Michael Gratzel, Ecole Polytechnique Federale de Lausanne (Switzerland)
Dianyuan Fan, Shanghai Institute of Optics and Fine Mechanics (China)
Xun Hou, Xi'an Institute of Optics and Precision Mechanics (China)
Tingye Li, AT&T Labs (retired) (USA)
Songhao Liu, South China Normal University (China)
Jurgen Michel, MIT (USA)
David A.B. Miller, University of Stanford (USA)
Liwei Lin, University of California at Berkeley (USA)
Bo Liu, the National Data Storage Institute (Singapore)
Mike O'Mahony, University of Essex (United Kingdom)
Hanben Niu, Shenzhen University (China)
Zihe Rao, Nankai University (China)
Xubang Shen, Chinese Academy of Sciences (China)
Kang L. Wang, University of California (USA)
Naiyan Wang, the Institute of Atomic Energy (China)
Lihong Wang, Washington University (USA)
Qiming Wang, the Semiconductor Research Institute of the China Academy of Science (China)
Ian H. White, Cambridge University (United Kingdom)
Bernd Wilhelmi, Jenoptik Group (Germany)
C P Wong, Georgia Institute of Technology (USA)
Ke Wu, Université de Montréal (Canada)
Zhihan Xu, Shanghai Institute of Optics and Fine Mechanics (China)
Zisen Zhao, Fiberhome and Wuhan Research Institute (China)
Bingkun Zhou, Tsinghua University (China)
Jimmy Zhu, Carnegie Mellon University (USA)
Zhongliang Zhu, Chinese Academy of Sciences (China)

Program Committee:

Qingming Luo, Wuhan National Laboratory for Optoelectronics (China) -- Chair
Hiroshi Amano, Meijo University (Japan)
Chin Hsin Chen, National Chiao Tung University (Taiwan, China)
Yong Chen, Ecole Normale Supérieure of Paris, CNRS (France)
Dianyuan Fan, Shanghai Institute of Optics and Fine Mechanics (China)
Fuxi Gan, Shanghai Institute of Optics and Fine Mechanics, Chinese Academy of Sciences (China)
Michael Gratzel, Ecole Polytechnique Federale de Lausanne (Switzerland)
Dieter Stefan Jager, Duisburg University (Germany)
Shuisheng Jian, Chinese Academy of Science (China)
Desheng Jiang, Chinese Academy of Engineering (China)
Masud Mansuripur, the University of Arizona (USA)
Valery V. Tuchin, Saratov State University (Russia)
Lihong Wang, Washington University in St. Louis (USA)
Horst Weber, Technical University Berlin (Germany)
Hequan Wu, Chinese Academy of Engineering (China)
Changsheng Xie, Wuhan National Laboratory for Optoelectronics (China)
Zisen Zhao, Fiberhome and Wuhan Research Institute (China)

Local Organizing committee:

Lin Lin, Wuhan National Laboratory for Optoelectronics (China) -- Chair
Yaming Xia, the Productivity Promotion Center of Wuhan East Lake Hi-Tech Development Zone (China) Chair
Changqing Chen, Wuhan National Laboratory for Optoelectronics (China)
Huafen Chen, the Productivity Promotion Center of Wuhan East Lake Hi-Tech Development Zone (China)
Ling Fu, Wuhan National Laboratory for Optoelectronics (China)
Dongsheng Jiang, State Key Laboratory of Solid State Lasers (China)
Pengcheng Li, Wuhan National Laboratory for Optoelectronics (China)
Deming Liu, Wuhan National Laboratory for Optoelectronics (China)
Xiangshui Miao, Wuhan National Laboratory for Optoelectronics (China)
Junqiang Sun, Wuhan National Laboratory for Optoelectronics (China)
Qianan Sun, The Productivity Promotion Center of Wuhan East Lake Hi-Tech Development Zone (China)
Peng Wang, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences (China)
Jinzhong Yu, Institute of Semiconductor, Chinese Academy of Sciences (China)
Xiao Zhu, Wuhan National Laboratory for Optoelectronics (China)

POEM



POEM Secretariat:

Xiaochun Xiao -- General Secretary
Wuhan National Laboratory for Optoelectronics
1037 Luoyu Road, Wuhan 430074, P.R. China
Tel: +86-27-87792227
Fax: +86-27-87792225
E-mail: poem@mail.hust.edu.cn
Website: <http://www.wnlo.cn/poem>

Abstract Submission:

The abstracts submitted to the conference will be peer reviewed by the Technical Program Committee. Acceptance will be based primarily on originality, significance and quality of contribution.

Abstract Preparation:

1. Only the original paper should be submitted.
2. Indicate which session covers the paper.
3. With all contact information including full names, affiliations, phone numbers, addresses, e-mails, etc.
4. Abstract should be prepared within the scope or relevant scope listed above.
5. Submit the abstract of around 500 words.

Abstracts have to be submitted to:

poem@mail.hust.edu.cn



Submit your abstract today!

Scopes and Topics

Papers reporting on new research and development results as well as practical implementations and applications in the scopes as described below are solicited. The relevant topics which are not listed are not excluded.

1. Fiber Optical Communication and Sensors (FOCS)

Chairs:
Dieter Stefan Jager, Duisburg University (**Germany**)
Hequan Wu, Chinese Academy of Engineering (**China**)
Shuiseng Jian, Beijing Jiaotong University (**China**)
Desheng Jiang, Wuhan Technologic University (**China**)

Program Committee:

Jianping Chen, Shanghai Jiao Tong University (**China**); **Robert M Kolbas**, NC State University (**USA**); **Yadong Jiang**, University of Electronic Science and Technology (**China**); **Wei Jin**, The Hong Kong Polytechnic University (**Hong Kong, China**); **Lisa**, Inphinenx Company (**USA**); **Chao Lu**, The Hong Kong Polytechnic University (**China**); **T. F. Morse**, Boston University (**USA**); **Leping Wei**, China Telecom Group Company (**China**); **Nasser Peyghambarian**, University of Arizona (**USA**); **Xueguang Qiao**, Xibei University (**China**); **Yunjiang Rao**, University of

Local Organization Committee Chair:
Deming Liu, Huazhong University of Science and Technology (**China**)

2. Industry Laser and Application Technologies (ILAT)

Chairs:
Dianyuan Fan, Shanghai Institute of Optics and Fine Mechanics (**China**)
Horst Weber, Technical University Berlin (**Germany**)

Program Committee:

Zuhai Cheng, State Key Laboratory of Lasertechnology(**China**); **Shusen Deng**, The Chinese Optical Society; **Mali Gong**, Tsinghua University (**China**); **Wenjin Liu**, Tsinghua University (**China**); **Songhai Liu**, South China Normal University (**China**); **Qihong Lou**, Shanghai Institute of Optics and Fine Mechanics , Chinese Academy of Sciences (**China**); **Peixiang Lu**, Wuhan National Laboratory for Optoelectronics (**China**); **Rongsi Xiao**, Beijing Jiaotong University (**China**); **Jianquan Yao**, Tianjin University (**China**); **Xichen Yang**, Tianjin Polytechnic University(**China**); **Xiaochuan Yang**, Southwest University (**China**); **Oleg O. Silichev**, Polus Institute (**Russia**); **Xiahui Tang**, National Engineering Research Center for Laser Processing (**China**); **Youqing Wang**, National Engineering Research Center for Laser Processing (**China**); **Maochai Wang**, Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences (**China**); **Lijun Wang**, Changchun Institute of Optics, Fine Mechanics and Physics, Chinese Academy of Sciences (**China**); **Youliang Wang**, Shanghai laser

Local Organization Committee Chairs:
Xiao Zhu, National Engineering Research Center for Laser Processing (**China**)
Dongsheng Jiang, State Key Laboratory of Solid State Lasers (**China**)

Papers are being accepted in these areas:

- Industry Gas laser
- Industry solid state laser
- Industry fiber laser
- Laser cutting technologies
- Laser welding technologies
- Laser drilling technologies
- Laser marking and scribing technologies

3. Optoelectronics Devices and Integration (OEDI)

Chairs:
Zisen Zhao, Fiberhome and Wuhan Research Institute (**China**)
Yong Chen, Ecole Normale Supérieure de Paris, CNRS (**France**)

Program Committee:

Dexiu Huang, Wuhan National Lab for Optoelectronics (**China**); **Xun Li**, McMaster University (**Canada**); **Sheng Liu**, Wuhan National Lab for Optoelectronics (**China**); **Wen Liu**, Wuhan National Lab for Optoelectronics (**China**); **Chao Lu**, The Hong Kong Polytechnic University (**Hong Kong, China**); **Mike J O' Mahony**, University of Essex (**United Kingdom**); **Jesper Mork**, the Technical University of Denmark (**DTU**); **Zhanguo Wang**, Institute of Semiconductor, Chinese Academy of Sciences (**China**); **I.H. White**, Cambridge University (**United Kingdom**); **Siyuan Yu**, University of Bristol (**United Kingdom**); **Liming Zhang**, Bell laboratory (**USA**); **Xinliang Zhang**, Wuhan National Lab for Optoelectronics (**China**).

Local Organization Committee Chairs:
Jinzhong Yu, Institute of Semiconductor, Chinese Academy of Sciences (**China**)
Junqiang Sun, Wuhan National Laboratory for Optoelectronics (**China**)

Papers are being accepted in these areas:

- Semiconductor lasers, including tunable lasers and multi-wavelength lasers
- High performance semiconductor optical amplifiers
- Advanced optoelectronics device fabrication technologies;
- Nonlinear optical devices and all-optical signal processing
- Electro-optic modulators and related advanced modulation format technologies
- Advanced radio-over-fiber devices and related technologies
- Intelligent optoelectronic devices and optical switching
- Grating-based devices and related technologies
- Nano technologies and their application in optoelectronics devices;
- Slow and fast light devices and related technologies
- Free-space communications related devices and technologies
- New optoelectronic device materials and processing

4. Optical Storage and New Storage Technologies (OSNS)

Chairs:
Masud Mansuripur, the University of Arizona (**USA**)
Koichi Ogawa, The Univ. of Tokyo (**Japan**) (**to be confirmed**)
Changsheng Xie, Wuhan National Laboratory for Optoelectronics (**China**)

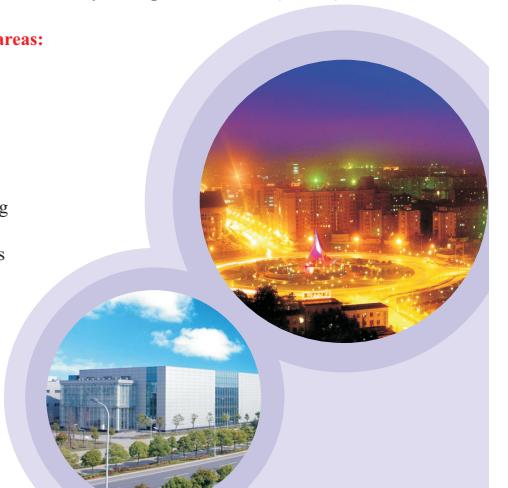
Program Committee:

Dan Feng, Wuhan National Laboratory for Optoelectronics (**China**); **Takashi Kikukawa**, TDK (**Japan**); **Yinyin Lin**, Fudan University (**China**); **Bo Liu**, Data Storage Institute (**Singapore**); **Masud Mansuripur**, the University of Arizona (**USA**); **Xiangshui Miao**, Wuhan National Laboratory for Optoelectronics (**China**); **Xiudong Sun**, Harbin Institute of Technology (**China**); **Jun Ding**, National University of Singapore (**Singapore**); **Matthias Wuttig**, RWTH-Aachen University (**Germany**); **Changsheng Xie**, Wuhan National Laboratory for

Local Organization Committee Chair:
Xiangshui Miao, Wuhan National Laboratory for Optoelectronics, (**China**)

Papers are being accepted in these areas:

- Basic Theory and New Concept
- Optical Media
- Optical Drive Technologies
- Components
- Coding and Signal Processing
- Testing Methods and Systems
- High Density Magnetic Recording
- Solid State Memory
- Storage Systems and Applications



5. Solar Cells, Solid State Lighting and Information Display Technologies (SSID)

Chairs:
Israel Gratzel, Ecole Polytechnique Federale de Lausanne (**Switzerland**)
Hiroshi Amano, Meijo University (**Japan**)
Chin Hsin Chen, National Chiao Tung University (**Taiwan, China**)

Program Committee:

Takashi Mukai, Nichia Corporation (**Japan**); **Shujun Cai**, Hebei Semiconductor Research Institute (**China**); **Yi Cai**, Century Epitac Co., Ltd. (**China**); **Yibing Cheng**, Monash University (**Australia**); **Hiroshi Fujioka**, University of Tokyo (**Japan**); **Zhiqiang Gao**, Nanjing University of Posts and Telecommunications (**China**); **Werner Goetzl**, Philips Lumileds Lighting Company (**Germany**); **Bo Shen**, Peking University (**China**); **Jian Xu**, Pennsylvania State University (**USA**); **Fengyi Jiang**, Nanchang University (**China**); **Volker Hale**, OSRAM Opto Semiconductors GmbH (**Germany**); **Junyoung Kang**, Xiamen University (**China**); **Hui Yang**, Suzhou Institute of Nano-tech and Nanobionics, CAS (**China**); **K.M.Lau**, Hongkong University Sci. & Tech. (**China**); **Yongfang Li**, Institute of Chemistry, CAS (**China**); **Hai Lu**, Nanjing University (**China**); **Wei Lu**, Shanghai Institute of Technological Physics, CAS (**China**); **Yoshio Ohshita**, Toyota Technological Institute (**Japan**); **Seong-Ju Park**, Gwangju Institute of Science and

Local Organization Committee Chairs:
Changqing Chen, Wuhan National Laboratory for Optoelectronics (**China**); **Peng Wang**, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences (**China**)

Papers are being accepted in these areas:

- Thin Films Solar Cells
- Dye-Sensitized Solar Cells
- Bulk Heterojunction Solar Cells
- Small Molecule, Polymer and Phosphorescent OLED Materials
- OLED Optics and Modeling
- Thin Film Transistors for OLED
- Material growth issues of semiconductor-based LEDs
- Properties of optoelectronic semiconductor materials
- Novel Optoelectronic Devices and Processing Techniques

6. The 8th International Conference on Photonics and Imaging in Biology and Medicine (PIBM 2009)

Honorary Chairs:
Britton Chance, University of Pennsylvania (**USA**)
Bingkun Zhou, Tsinghua University (**China**)

Chairs:

Qingming Luo, Wuhan National Laboratory for Optoelectronics (**China**)
Lihong Wang, Washington University in St. Louis (**USA**)
Valery V. Tuchin, Saratov State University (**Russia**)

Advisory Committee:

Sydney Brenner, The Salk Institute in La Jolla, California (**USA**); **Howard Chen**, K&L Gates (**USA**); **Jing Cheng**, Tsinghua University (**China**); **Paul Ching-Wu Chu**, The Hong Kong University of Science and Technology (**Hong Kong, China**); **Aaron Ciechanover**, Technion-Israel Institute of Technology, Haifa (**Israel**); **A Stephen Dahms**, Alfred E. Mann Foundation for Biomedical Engineering (**USA**); **Da Hsuan Feng**, National Cheng Kung University (**Taiwan, China**); **Steven R. Goodman**, SUNY Upstate Medical University (**USA**); **Barry Halliwell**, National University of Singapore (**Singapore**); **John Hart**, The University of Texas at Dallas (**USA**); **George Radda**, Agency for Science, Technology and

Program Committee:

Wei R. Chen, University of Central Oklahoma (**USA**); **Zhongping Chen**, University of California/Irvine (**USA**); **Arthur Chiou**, National Yang-Ming University (**Taiwan, China**); **Frank Y. S. Chuang**, University of California, Davis (**USA**); **Zhihua Ding**, Zhejiang University (**China**); **Congwu Du**, Brookhaven National Lab. (**USA**); **Weiping Han**, Agency for Science, Technology and Research (**A*STAR**) (**Singapore**); **Chang-Deng Hu**, Purdue University School of Pharmacy (**USA**); **Zheng Huang**, University of Colorado Health Sciences Center (**USA**); **Zhiwei Huang**, National University of Singapore (**Singapore**); **Steven L. Jacques**, Oregon Health & Science University (**USA**); **Fu-Jen Kao**, National Yang-Ming University (**Taiwan, China**); **Hideaki Koizumi**, Hitachi, Ltd. (**Japan**); **Xingde Li**, Johns Hopkins University (**USA**); **Yong-qing Li**, East Carolina University (**USA**); **Chengyi Liu**, South China Normal University (**China**); **Hong Liu**, University of Oklahoma (**USA**); **Zuhong Lu**, Southeast University (**China**); **Avraham Mayevsky**, Bar Ilan University (**Israel**); **Igor V. Meglinski**, Cranfield University (**United Kingdom**); **Stephen P Morgan**, University of Nottingham (**United Kingdom**); **Shoko**

Local Organization Committee Chairs:

Pengcheng Li, Wuhan National Laboratory for Optoelectronics (**China**)
Ling Fu, Wuhan National Laboratory for Optoelectronics (**China**)

Papers are being accepted in these areas:

- Tissue Optics and Diffuse Optical Imaging
- Optical Molecular Imaging
- Multiphoton Microscopy in Biomedical Sciences
- Photonic Therapeutics, Diagnostics and Instrumentations
- Multimodal and Hybrid Biomedical Imaging

Sponsored by:

Huazhong University of Science and Technology (**HUST**)
 China Hubei Provincial Science Technology Department (**HBSTD**)
 Administration Committee of Wuhan East Lake High-Tech Development Zone (**WEHDZ**)
 The State Optoelectronic Information Industry Base of China

Organized by:

Wuhan National Laboratory for Optoelectronics (**WNLO**)

Supported by:

Ministry of Education of China (**MOE**)
 Chinese Optical Society (**COS**)
 Editorial Office of Optics & Optoelectronic Technology
 Frontiers of Optoelectronics in China
 Opticsjournal.net
 Ofweek.com
 The China Science-Meeting Online

