

The International Symposium on Photonics and Optoelectronics (SOPO 2009)

August 14-16, 2009

Wuhan, China

<http://www.scirp.org/conf/sopo/2009>

The International Symposium on Photonics and Optoelectronics (SOPO 2009) will be held from August 14th to 16th, 2009 in Wuhan which is one of the largest cities in China on the banks of the Yangtze River. SOPO 2009 will bring together top researchers from Asian Pacific areas, North America, Europe and around the world to exchange research results and address open issues in all aspects of Photonics and Optoelectronics. **All accepted papers in SOPO2009 will be published by IEEE and indexed by EI Compendex.**

Topics

Laser Technology and Applications

- Laser physics and nonlinear optics
- Gas lasers and applications
- Solid state lasers: technology and devices
- Semiconductor lasers, including tunable lasers and multi-wavelength lasers
- Laser materials, fabrication and characterization
- Laser material processing
- Tera-hertz sources & detection
- Tera-hertz propagation

Optical Sensors

- Special fibers and cables
- New technologies impacting components
- Fiber-optic sensor and networks
- Fundamental performance characteristics and incremental advances
- Network installation and Engineering performance characteristics
- Application and field trials
- Standardization and interoperability
- Fiber lasers, optical signal processing

Optical Storage and Technologies

- Basic theory and new concept
- Optical media
- Optical drive technologies
- Coding and signal processing
- Testing methods and systems
- High density magnetic recording
- Solid state memory
- Storage systems and applications

Optoelectronic Devices and Integration

- White LED and related technologies
- 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

Medical and Biological Applications

- Biomedical optics
- Laser medical diagnostics and therapeutics
- Diffuse optical imaging, steady-state, time-resolved and photon-density-wave techniques
- Optical coherence tomography
- Advanced biological microscopy
- Photochemistry and photobiology
- Laser tissue interactions and laser surgery
- Photodynamic therapy
- Minimally invasive optical diagnostics
- Photo-acoustic techniques
- Optics in biotechnology
- Optical-system engineering for medicine

Sponsors

IEEE Laser & Electro-Optics Society (LEOS)
Wuhan University

Contact Information

Website: <http://www.scirp.org/conf/sopo/2009>

E-mail: sopo@scirp.org

Important Dates

Paper Due :	Feb. 12, 2009
Acceptance Notification :	Apr. 12, 2009
Conference :	Aug. 14-16, 2009