

The International Symposium on Photonics and Optoelectronics (SOPO 2012) will be held from 21st to 23rd, May in Shanghai, China. SOPO has been successfully held 3 times, and all the papers accepted have been indexed by Ei compendex in a short time.

Publication:

<http://www.sopoconf.org/2012/>

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The conference proceedings will be published by IEEE, and the accepted papers will be indexed by Ei Compendex and ISTP.

Selected outstanding papers (extended) will be recommended to be published in related SCI / Ei journals.

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Topics:

<http://www.sopoconf.org/2012/CallForPapers.aspx>

Laser Technology and Applications

Laser Physics and Nonlinear Optics

Gas Lasers and Applications

Solid State Lasers: Technology and Devices

Semiconductor lasers, tunable and multi-wavelength lasers

Laser Materials, Fabrication and Characterization

Laser material processing

Tera-hertz sources & detection

Tera-Hertz propagation

Image Processing

Image acquisition, reconstruction, restoration and fusion

Image transformations: wavelet theory, space theory, geometrical transforms and restoration

Image analysis: motion estimation, segmentation, object tracking and pattern recognition

Visualization: 3D visualization, holography and display systems

Image information management: coding, cryptography, watermarking, storage and retrieval, resolution enhancement

Medical imaging, surveillance, security, remote sensing and multimedia

Systems or devices for optical and digital image processing.

Optical Communications

Optical fiber communication

Free-space optical communication

Optical communication networks

Optical transport network

Coding and signal processing

Modulating retro-reflector

Intensity modulation

Optical wireless

Optical carrier

Optoelectronic Devices and Integration

Optical sensors and applications

Fiber-optic sensor and networks

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

Silicon Photonics

Medical and Biological Applications

Biomedical optics

Laser medical diagnostics and therapeutics

Optical coherence tomography

Advanced biological microscopy

Photochemistry and photobiology

Laser tissue interactions and laser surgery

Minimally invasive optical diagnostics

Photo-acoustic techniques

Optics in biotechnology

Optical-system engineering for medicine

Important dates:

<http://www.sopoconf.org/2012/ImportantDates.aspx>

Paper submission due: Oct. 28, 2011

Acceptance notification: Before Dec. 12, 2011

Best Regards

SOPO Organizing Committee

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