

Organic Thin Films For Photonics

at the 236nd ACS National Meeting August 17-21, 2008 Philadelphia, PA

<http://www.acs.org/meetings>

Call For Papers

Abstract/ Preprint Deadline: March 17, 2008

OASYS Abstract submission open: 28 Jan, 2008

<http://oasys.acs.org>

This symposium is the fifteenth in an annual series of joint symposia sponsored by the Optical Society of America (OSA) and the American Chemical Society (ACS) Division of Polymer Chemistry (POLY). The program focuses on the design, synthesis, optical and electronic properties, and applications of organic and polymeric materials and composites for applications in photonics and related areas. The meeting provides a forum for optical and material scientists, chemists, physicists, engineers, and device specialists interested in the latest developments in this rapidly advancing multi-disciplinary field of science and technology.

Topics:

Organics for Photonics and Integrated Optics

- Polymer optical fiber materials and physics
- Waveguiding in organic thin films
- Nanophotonics
- Photonic crystals and devices
- Organic-based modulators

Nonlinear Optics

- Second and third order nonlinear optical phenomena, materials and devices
- Organic and polymeric photorefractive materials
- Two-photon materials and processes
- Nonlinear optical interactions and applications

- Chromophore orientation processes
- Reliability (photostability, electrochemical stability and thermostability)
- Slow light processes in organic materials
- Magnetic effects

Optoelectronic Materials and Devices

- Organic and polymeric light emitting materials and devices
- Organic photovoltaic materials and devices
- Charge transport chemistry and physics of organic thin films
- Self-assembled films
- Polymer liquid crystal materials and devices

Symposium Organizers:

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Abstracts and POLY preprints must be submitted electronically through the ACS OASys (Online Abstract Submittal at <http://oasys.acs.org>). Preprints must be submitted electronically through OASys as word processing or PDF files in conjunction with abstract submittal; approved templates for POLY preprints may be downloaded at the web site <http://www.polyacs.org/main/preprintsonline.shtml>.