Industry trends and advances in optical design software are allowing for the first time the modeling of optical systems in a way hardly thought of a few years ago. As a consequence the optical design community is seeing a great number of innovative, intriguing, and enticing optical designs, concepts, systems, and applications. Especially intriguing is the concept of integrated optical design that includes the optical design, tolerancing, mechanics including finite element analysis, and other steps crucial to the performance of state-of-the-art optical systems.

Optical design's thought-provoking innovation is being seen in fields such as consumer products, astronomy, entertainment, health sciences, machine vision, and optical storage and processing. Micro- and nano-optics, as well as projection systems, head-mounted displays, diffractive optics, optics for virtual reality and astronomy, spectrometers, and 3D imaging are examples of systems that are receiving a large amount of attention. Education is also an important factor, such that Novel Optical Systems Design and Optimization will expand its educational content at the 2007 meeting.

Novel Optical Systems Design and Optimization brings to the optical design community a forum to discuss, learn, and network for key optical design trends. The conference is crafted to convey to the community a snapshot of the state-of-the-art technology. It focuses on the most novel systems, ideas, and techniques for designing optical systems in the 21st century. Finally, while novel technology is the focus of this conference, we cannot neglect the historical precedents in optical design. Thus, for the first time, we are actively soliciting submissions in the area of the history of optical design and systems.

Focus areas for paper submissions:
- integrated optical design
- educational optics
- history of optical design and systems.

Paper submissions are solicited in these additional following and related areas:
- optical design and systems for biomedical applications
- miniature optical systems
- optical displays and 3D imaging
- head-mounted displays
- optical design and analysis software
- novel design and optimization methods
- illumination optics
- special optical effects
- gradient index materials and systems
- novel optical elements and systems
- micro and nano-optics applications
- exotic and unconventional optics
- light propagation in optical systems
- fabrication and testing issues for the optical designer
- lens systems for CCDs
- zoom lens systems
- tolerancing and image evaluation.
Submission of Abstracts for Optics & Photonics
Abstract Due Date: 26 February 2007
Manuscript Due Date: 30 July 2007

IMPORTANT:
Submissions imply the intent of at least one author to register, attend the symposium, present the paper (either orally or in poster format), and submit a full-length manuscript for publication in the conference Proceedings.

By submitting your abstract, you warrant that all clearances and permissions have been obtained, and authorize SPIE to circulate your abstract to conference committee members for review and selection purposes and if it is accepted, to publish your abstract in conference announcements and publicity.

All authors (including invited or solicited speakers), program committee members, and session chairs are responsible for registering and paying the reduced author, session chair, program committee registration fee. (Current SPIE Members receive a discount on the registration fee.)

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Your abstract submission must include all of the following:

1. PAPER TITLE
2. AUTHORS (principal author first) For each author: First (given) name (initials not acceptable), Last (family) name, Affiliation, Mailing address, Telephone, Fax, and Email address.
3. PRESENTATION PREFERENCE “Oral Presentation” or “Poster Presentation.”
4. PRINCIPAL AUTHOR’S BIOGRAPHY Approximately 50 words.
5. ABSTRACT TEXT Approximately 250 words.

Accepted abstracts for this conference will be included in the abstract CD-ROM which will be distributed at the meeting. Please submit only 250-word abstracts that are suitable for publication.

6. KEYWORDS Maximum of five keywords.

Abstracts Available Prior to Meeting
Accepted abstracts may be made available prior to the meeting for promotional purposes. Please submit up to 250-word abstracts which have been cleared for publishing purposes.

Conditions of Acceptance

• Authors are expected to secure funding for registration fees, travel, and accommodations, independent of SPIE, through their sponsoring organizations before submitting abstracts.

• Only original material should be submitted.

• Commercial papers, papers with no new research/development content, and papers where supporting data or a technical description cannot be given for proprietary reasons will not be accepted for presentation in this symposium.

• Abstracts should contain enough detail to clearly convey the approach and the results of the research.

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