



OPTICS in 2005



[Guest Editors]

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The December *Optics & Photonics News* (OPN) is a special issue that highlights the most exciting optics research to have emerged in the preceding 12 months. “Optics in 2005” offers readers a unique opportunity to access—in a single source—summaries of cutting-edge research that have been reported in peer-reviewed journals. The topics covered in this special issue cover a wide breadth, ranging from photonic structures to quantum information, and from optical engineering to ultrafast technology.

“Optics in 2005” includes 30 summaries that represent the work of more than 150 authors. They were chosen among 87 submissions from 20 countries. This year, as in previous ones, submissions were judged on the basis of the following requirements:

- The accomplishments described had to have been published in a refereed journal in the year prior to publication in OPN;
- The work had to be illustrated in a clear, concise manner that is readily accessible to the at-large optics community.

In addition, authors were asked to describe the topical area as a whole and to detail the importance of their work in that context. Although OPN makes every effort to ensure that it recognizes achievements in all optics subfields, our selection criteria do not require inclusion of any particular topical areas. When we receive a large number of submissions in a specific area, we take it as evidence that the topic has been fertile ground for research activity. OPN strives to ensure that engineering, science and technology are all represented. The number of papers we can accept each year is limited by the magazine’s space requirements.

OPN and OSA would like to thank the multitude of researchers from around the world who submitted summaries of their peer-reviewed articles to “Optics in 2005.” We would also like to express our sincere gratitude to the panel of OPN Editorial Advisory Committee members who vetted submissions to “Optics in 2005”: Bob D. Guenther (Optics in 2005 Panel Chair), Physics Department, Duke University; Barbara Paldus, Skymoon Ventures, LLC; Bob Jopson, Lucent Technologies; and R. John Koschel, Lambda Research Corp. Thanks also to Angela Bailey for coordinating the review process.

