

Optics in 2011

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This special issue of *Optics & Photonics News* (OPN) highlights the most exciting peer-reviewed optics research to have emerged over the past 12 months. The areas covered in 2011 include bio-optics, detection, diffraction, imaging, interferometry, nonlinear optics, photonic structures, plasmonics, quantum optics, terahertz technology, transformation optics, ultrafast optics and 3-D recording and display.

This year's issue includes 30 summaries representing the work of more than 150 authors from 15 countries. Submissions were judged on the basis of the following criteria:

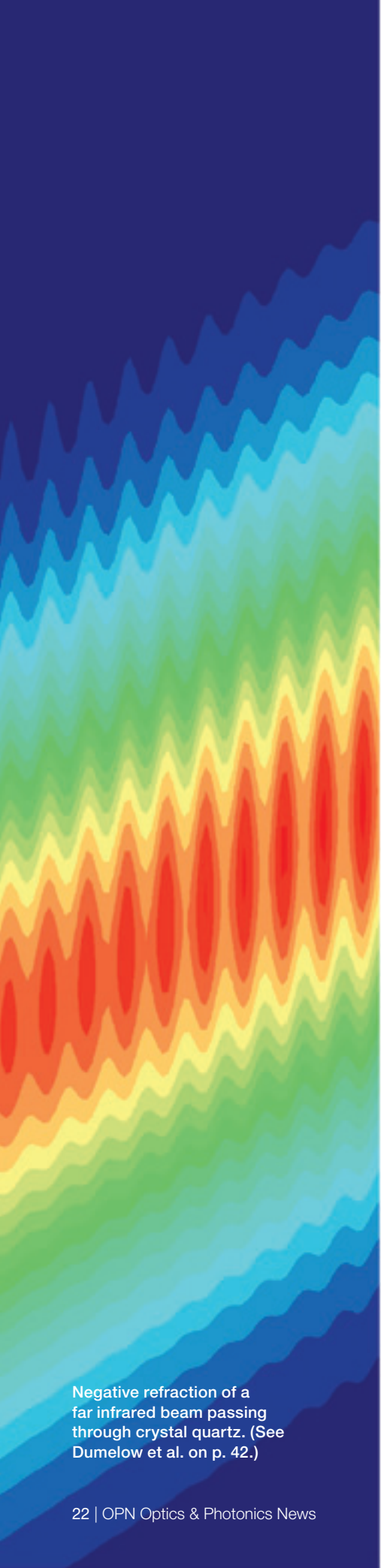
- ▶ The accomplishments described must have been published in a refereed journal in the year prior to publication in OPN.
- ▶ The work should be illustrated in a clear, concise manner that is readily accessible to the at-large optics community.
- ▶ The authors should describe the topical area as a whole and then discuss the importance of their work in that context.

As we did last year, OPN has incorporated multimedia elements into our December issue. We are pleased to offer 15 summaries that are accompanied by videos. You can access them through our December digital edition, available at www.opnmagazine-digital.com/opn/201112, or through our main website, at www.osa-opn.org.

We plan to continue adding multimedia to our summaries from now on, and we'd love to hear your suggestions for how to improve our digital offerings. Please email opn@osa.org with your feedback, or send us research summaries with multimedia that we can use to experiment for next year.

OPN and OSA would like to thank all the researchers from around the world who submitted summaries, as well as our panel chair and guest editors.

ONLINE EXTRA: Visit www.osa-opn.org to watch a video highlighting the Optics in 2011 research findings.



Negative refraction of a far infrared beam passing through crystal quartz. (See Dumelow et al. on p. 42.)