

Workshop on Light-Controlled Liquid Crystalline Complex Adaptive Materials - LC2CAM

August 7-10, 2008, University of Colorado at Boulder

Conference Chairs: Noel A. Clark & Ivan I. Smalyukh

The Boulder LC2CAM International Workshop will enable researchers working at the forefronts of materials science & optics to discuss the emerging uses of light for control of ordered soft materials and advances in the use of liquid crystals to control light.

Workshop topics include:

- *Laser trapping and manipulation in liquid crystals*
- *Tunable and frequency-selective negative-index media*
- *Light-induced phase transitions*
- *Nonlinear optics of liquid crystals*
- *Light-controlled surface anchoring phenomena*
- *Confocal, multiphoton fluorescence, and CARS microscopy of liquid crystals*
- *Holographic polymer dispersed liquid crystals*
- *Light-controlled liquid crystalline polymers and elastomers*
- *Optics of colloidal and nanostructured systems*
- *Sensors and wavefront control devices*

The Boulder LC2CAM Workshop will bring together both prominent & junior scientists. Participation of students & postdoctoral fellows is strongly encouraged, and up to 20 fellowships will be awarded to support travel of early-career scientists. The presentations will be webcasted in real time and, in addition to the on-site audience, registered participants around the World will have an opportunity to ask questions. For abstract submission, fellowship application, & Workshop registration, visit the web site: <http://lcmrc.colorado.edu/news/workshops.html>

Important Dates:

- *1st call for papers*
- *Final call for papers*
- *Fellowship application deadline*
- *Abstract deadline*
- *Publication of program*

February 5, 2008
June 1, 2008
June 5, 2008
July 15, 2008
August 1, 2008

Workshop Features & Events:

- *Invited & Contributed Talks;*
- *Poster Session;*
- *Exhibition;*
- *Pre-Workshop Tutorials;*
- *Real-Time Webcasting of Presentations;*
- *Career Development Program;*
- *International Outreach Forum;*
- *Student Best Paper Prizes to be Awarded;*
- *No Conference Fee;*
- *Tour to Rocky Mountain National Park;*
- *Receptions;*
- *Travel Support for Minority Students & Faculty at Minority Serving Institutions;*
- *All Events are Free & Open to the Public.*

Workshop Sponsors:



Liquid Crystal
Materials Research Center
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Institute for Complex
Adaptive Matter