

Call For Papers
MRS Fall 2001, Boston, MA, Nov. 26-30, 2001
Advances in Liquid Crystalline Materials and Technologies

Numerous established and newly emerging technologies are taking advantage of the novel properties of liquid crystalline materials. These unique optical, electro-optical, and mechanical properties of liquid crystalline fluids, polymers, and composites enable applicability and significant improvements in a number of advanced technologies, including displays, telecommunication, information storage, and mechanical actuation. Advances in both low-molar mass and polymeric systems, ranging from synthesis to device physics, enable the continued integration of this class of materials into real-world applications. This symposium will provide a forum for discussion of the latest advances in the development and application of liquid crystalline

Papers regarding liquid crystalline materials science and technology are solicited in, but not limited to, the following areas:

- Design and synthesis of new materials
- Polymer/liquid crystal composites
- Microstructure and defect characterization
- Liquid crystalline polymers and polymer networks
- Nematic gels and elastomers
- Display technologies
- Telecommunication technologies
- Molecular theory/simulation
- New emerging technologies utilizing LC materials

Invited speakers (tentative) include:

W.R. Burghardt
Northwestern University

N.A. Clark
University of Colorado

H. Coles
University of Southampton, United Kingdom

W. Crossland
Cambridge University, United Kingdom

T. Drabik
Displaytech

E. Douglas
University of Florida

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Rijksuniversiteit Gröningen

H. Finkelmann
University of Freiburg, Germany

J. Goodby
University of Hull, United Kingdom

A. Guymon
University of Southern Mississippi

T. Kato
University of Tokyo, Japan

J. Kornfield
California Institute of Technology

F. Kremer
Univ. Leipzig, Germany

K. Lewis
DERA, United Kingdom

R.B. Meyer
Brandeis University

P. Palffy-Muhoray
Kent State University

A. Rey
McGill University

J.L. Serrano
University of Zaragoza, Spain

V. Shibaev
Moscow State University, Russia

N. Tabirian
Beam Corp.

J. West
Kent State University

S.T. Wu
Hughes Research Laboratory

M. Schadt
ROLIC, Switzerland

R. Shashidhar
Naval Research Laboratory

J. Stumpe
Univ.Potsdam, Germany

Jos van Haaren
Philips Research Laboratory, The Netherlands

B. Winker
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Symposium Organizers

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Abstract Deadlines

June 5, 2001 (e-mail and fax)
June 19, 2001 (web-site)

Contact one of the organizers or mrs@www.mrs.org for more information.