

HOUSING AND REGISTRATION

The conference fee includes conference registration, hotel accommodations at the Quality Inn for three nights, bus service between the hotel and the University, continental breakfasts (Monday, Tuesday and Wednesday), lunches (Monday, Tuesday and Wednesday), dinners (Monday and Tuesday), coffee breaks and a wine and cheese reception on Sunday night.

Hotel accommodations will be at the Quality Inn and Conference Center in Vernon, CT, 13 miles west of the University of Connecticut. Chartered buses will transport conference attendees between the hotel and the University.

Detach and mail by Sept. 1, 1991:

Registration Form
Advances in Liquid Crystalline Polymers
Sept. 29 - Oct. 2, 1991 - The University of Connecticut

Name _____
Organization _____
Mailing address _____
City _____ State _____ Zip _____
Tel. (business) _____ FAX _____
Accompanying guest _____

CIRCLE APPLICABLE RATE:

Registration with accommodations:

Single room \$650

Double room \$500 (you may designate a roommate or one will be assigned)

Non-participating guest \$250 (includes room, breakfasts, dinners, wine and cheese reception)

Registration without accommodations:

Conference registration only: \$400 (includes 3 lunches, 2 dinners and breaks)

Cancellation in writing after Sept. 1 subject to \$25 fee

Please send the registration form and your check for the full amount, made payable to **Division of Polymer Chemistry, Inc., ACS**, by Sept. 1 to: Diane M. Morrill, Business Manager, Division of Polymer Chemistry, 1103 Chemistry Research Building, Virginia Polytechnic Institute, Blacksburg, Va. 24061-0212 (703) 231-3029

For payment by credit card, complete the following:

Credit card _____ Account No. _____

Expiration date _____

Signature _____

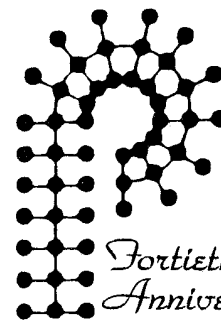
Division of Polymer Chemistry, Inc.
American Chemical Society
Diane M. Morrill
1103 Chemistry Research Bldg.
Virginia Polytechnic Institute and State University
Blacksburg, VA 24061-0212

ADVANCES IN

LIQUID CRYSTALLINE POLYMERS

An Interdisciplinary Workshop

sponsored by
The Division of Polymer Chemistry
American Chemical Society



Fortieth
Anniversary 1951-1991

SEPT. 29 - OCT. 2, 1991

Institute of Materials Science

University of Connecticut
Storrs, Connecticut

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ADVANCES IN LIQUID CRYSTALLINE POLYMERS

Workshop organizers: R.A. Weiss (University of Connecticut)
C.K. Ober (Cornell University)

The Polymer Chemistry Division of the American Chemical Society is offering an interdisciplinary workshop on liquid crystalline polymers at the Institute of Materials Science, The University of Connecticut, from Sept. 30 - Oct. 2, 1991. This workshop will offer an overview of the chemistry and physics of liquid crystalline polymers as well as recent scientific and technical highlights. Commercial developments and applications also will be discussed. In addition to formal lectures, poster sessions including the latest scientific developments in liquid crystalline polymers are scheduled.

WHO SHOULD ATTEND

The workshop is designed to meet the needs of a wide variety of people engaged in research, development and production of liquid crystalline polymers. Invited lectures will be presented by experts in the field and posters may be presented by all attendees. The talks will include an overview of the field and discussions of recent scientific and commercial developments. The workshop will be of interest to all scientists and engineers working on LC polymers or interested in their applications.

POSTER PRESENTATIONS

Two poster sessions are planned. To present a poster, send a title and a 200-word abstract by Sept. 1, 1991 to:

R.A. Weiss
Institute of Materials Science
University of Connecticut
97 N. Eagleville Road
Storrs, CT 06269-3136

PROGRAM

SUNDAY, SEPT. 29

3:30 p.m. Registration (Quality Inn)
6:00 - 9:00 Mixer (Quality Inn)

MONDAY, SEPT. 30

Overview

8:00 a.m. Registration (IMS - Room 20)
8:55 Opening Remarks
9:00 Origin of Liquid Crystalline Behavior
E.T. Samulski (U. North Carolina)
10:00 Coffee break
10:30 Synthesis and Properties of LC Polymers
A. Griffin (Cambridge U.)
11:30 Current Status of the Field: Applications,
Commercialization, Future Trends
H.C. Linstid (Hoechst-Celanese)
12:30 p.m. Lunch

Structure and Properties

2:00 p.m. Liquid Crystalline Texture
C. Viney (U. Washington)
2:40 Solid State Order and Structure
K.H. Gardner (DuPont)
3:20 Break
3:50 Phase Behavior of Main-Chain and
Side-Chain Thermotropic Polymers
E. Chiellini (U. Pisa)
4:30 Mechanical Properties of Liquid
Crystalline Polymer Fibers
A.T. DiBenedetto (U. Connecticut)
5:30 - 7:00 Poster Session I
7:00 - 9:00 Dinner

TUESDAY, OCT. 1

Theory and Networks

9:00 a.m. Theory for Nematic Polymers
M. Warner (Cambridge U.)
10:00 Coffee break
10:30 Liquid Crystalline Polymer Networks
C. Ober (Cornell U.)
11:15 Liquid Crystalline Thermosets
B.C. Benicewicz (Los Alamos)
12:00 p.m. Lunch

Field Effects: Stress, Electric and Magnetic

1:30 p.m. Rheology of Liquid Crystalline Polymers
R.S. Kumar (Amoco Chemical Co.)
2:10 Processing of Liquid Crystalline
Polymers
S. Kenig (Technion)
2:40 Break
3:10 Orientation of Liquid Crystalline
Polymers in Magnetic Fields
S. Stupp (U. Illinois)
3:40 LC Polymers for Opto-Electronics
Applications
G.S. Attard (U. Southampton)
4:20 Polymer Dispersed Liquid Crystals
J. West (Kent State U.)
5:00 - 7:00 Poster Session II
7:00 - 9:00 Dinner (New England Clambake)

WEDNESDAY, OCT. 2

Multidimensional Systems

9:00 a.m. Molecular Composites
Wen-Fang Huang (Dow Chemical Co.)
9:40 Mechanical Properties of PBZT Fibers
R. Eby (U. Akron)
10:20 Coffee break
10:50 Liquid Crystalline Polymer/Polymer
Blends
R.A. Weiss (U. Connecticut)
11:20 Liquid Crystalline Interpenetrating
Networks
J.J. Fitzgerald (Eastman Kodak)
12:00 p.m. Concluding remarks
12:15 Lunch