

HOUSING AND REGISTRATION

The conference fee includes conference registration, accommodations and all meals at the conference site, coffee breaks, and a welcoming reception on May 10.

Detach and mail with your check for the full amount to: Diane M. Morrill, Business Manager, Division of Polymer Chemistry, 1103 Hahn Hall, Virginia Polytechnic Institute, Blacksburg, Va., 24061-0212. Tel: 703-231-3029. FAX: 703-231-8517

Registration Form Recent Developments in Ionomers

Name _____

Organization _____

Mailing address _____

City _____ State _____ Zip _____

Tel (business) _____ FAX _____

Accompanying guest _____

CIRCLE APPLICABLE RATE:

One registrant per room, **\$650**

One registrant with non-participating,
accompanying guest sharing one room, **\$900**

Two registrants sharing one room, **\$500 each**
(you may designate a roommate or one will be assigned)

**Cancellation in writing after April 10, 1992
subject to \$25 fee.**

For payment by Visa or Mastercharge, complete the following:

Account # _____ Exp. date _____

Signature _____

American Airlines is offering up to 40% off their coach fare and 5% off their super saver fare to conference participants. Reservations may be made by calling American at 1-800-433-1790 and asking for the meeting services desk. Refer to our star record 05Z2V3 when requesting your reservation.

NON-PROFIT ORG.
U.S. POSTAGE
PAID
PERMIT #67
BLACKSBURG, VA.
24061-0212

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

May 10 - 14, 1992

Asilomar Conference Center
Pacific Grove, California

Recent Developments in Ionomers

AN INTERDISCIPLINARY WORKSHOP

sponsored by
The Division of Polymer
Chemistry
American Chemical Society



Recent Developments in Ionomers

Technical program

Workshop organizers:

A. Eisenberg (McGill University), coordinator
W.J. MacKnight (University of Massachusetts)
J. Pochan (Eastman Kodak)
R.A. Weiss (University of Connecticut)

International Advisory Committee:

J.S. Higgins (Imperial College, London)
M. Pineri (C.E.A. - C.E.N., Grenoble, France)
C. Williams (LURE-CNRS Centre Universitaire
Paris-Sud, France)
S. Yano (Gifu University, Japan)

The Polymer Chemistry Division of the American Chemical Society is offering an interdisciplinary workshop on recent developments in ionomers. It will be held at the Asilomar Conference Center, Pacific Grove, Calif., May 10 - 14, 1992. The workshop will offer an overview of recent advances on the morphology, physical and chemical properties and applications of ionomers. In addition to formal lectures, poster sessions will stress the most recent developments in ionomers.

WHO SHOULD ATTEND

The workshop is designed for a broad audience of workers in ionomers, including research, production, and other aspects of the field. Invited lectures, poster sessions, and informal discussions will expose the participants to the latest advances in the field and allow them to discuss their areas of interest as well as to participate in discussion of parallel areas. The workshop will be of interest to all who work in the field as well as those who have an interest in the area or are just entering it.

Sunday, May 10

Overviews

Ionomer Solutions
J.S. Higgins, Imperial College
Ionomers in Bulk
A. Eisenberg, McGill University

Monday, May 11, Morning

Applications

Ionomer Composites
M: Pineri, CEN, Grenoble
Applications of Functional EPDM
J. Wefer, Uniroyal
Recent Advances in the Application of
Ionomer Technology - R. Statz, DuPont
Polymer Property Modification via Introduction of
Ionomeric Groups in Poly(vinyl butyral)
D.J. Davis, Monsanto

Monday, May 11, Evening

Blends

Deformation and Fracture Behavior of Ionomers and
Ionomer Blends Based on Polystyrene and
Poly(methyl methacrylate) - M. Hara, Rutgers U.
Blends of Nylon with Ethylene Ionomers
B. Favis, Ecole Polytechnique, Montreal
Theoretical Treatment of Interaction in Polymer
Solutions and Blends - I. Sanchez, U. of Texas
at Austin

**Poster sessions: To present a poster, send a
title and abstract by April 10, 1992 to:**

**A. Eisenberg
Department of Chemistry
McGill University
801 Sherbrooke Street West
Montreal, Quebec, Canada H3A 2K6
FAX: 514-398-3797**

Tuesday, May 12, Morning

Morphology

Morphology of Water Soluble Ionomers
Cl. Williams, LURE, CNRS, Orsay
Microphase Separation in Ionomer Systems
A. Khokhlov, Moscow State University
Morphology and Properties of Model Polyurethane
Ionomers - S.L. Cooper, U. of Wisconsin
Structural Investigations Using Polarized Neutrons
B. Gabrys, Brunel U.

Tuesday, May 12, Evening

Morphology of Styrene-Based Ionomers and Their
Blends - R. Register, Princeton U.
Round Table Discussion: Ionomer Blends
W.J. MacKnight, U. of Massachusetts, leader

Wednesday, May 13, Morning

Solutions and Plasticized Systems

Viscoelastic Behavior of Plasticized Ionomers
R.A. Weiss, U. of Connecticut
Dynamics in Perfluorinated Ionomer Solutions by ESR
and NMR Spectroscopies - S. Schlick, U. of Detroit
Light and SAXS Studies of Ionomer Solutions
B. Chu, SUNY Stony Brook
Topological Control of Solvent Quality in Associating
Polymers - T. Witten, U. of Chicago

Wednesday, May 13, Evening

Functional Properties of Ethylene Ionomers
S. Yano, Gifu University
Round Table Discussion: New Horizons in Ionomers
W.M. Risen, Brown U., leader

Thursday, May 14, Morning

Blocks and Other Regular Structures

Structure-Property Studies of New Segmented
Rotaxane Ionomers - G.L. Wilkes, Virginia Polytech
and State U.
Polymer-Microcrystal Composites from Ion-Containing
Block Copolymers - M. Moller, Twente U.
Dielectric Properties of Model Anionic and Cationic
Ionomers - R. Jerome, U. of Liege
Star-Block Ionomers
R. Storey, U. of Southern Mississippi