

HOUSING AND REGISTRATION

The conference fee includes conference registration, hotel accommodations at the Monteleone Hotel for four nights (Sunday, Monday, Tuesday and Wednesday), breakfasts (Monday, Tuesday, Wednesday and Thursday), banquet on Wednesday night, coffee breaks, and a reception on Sunday night.

Hotel accommodations will be at the Monteleone Hotel in the French Quarter, New Orleans, Louisiana.

Detach and mail by November 15, 1991.

Registration Form
Plastics Waste Management
December 9-12, 1991 - New Orleans, LA

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

CIRCLE APPLICABLE RATE:

Registration with accommodations:

Single room \$900

Double room \$650 (you may designate a roommate or one will be assigned)

Accompanying guest \$200 (share room with a registered participant, includes banquet, breakfasts and reception)

Registration without accommodations:

Conference registration only: \$500 (includes banquet, reception and coffee breaks)

Cancellation in writing after November 15, 1991 is 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 November 15, 1991 to: Diane M. Morrill, Business Manager, Division of Polymer Chemistry, 1103 Chemistry Research Building, Virginia Polytechnic Institute, Blacksburg, VA 24061-0212, USA
Tel. 703-231-3029, FAX 703-231-8517

For payment by credit card, complete the following:

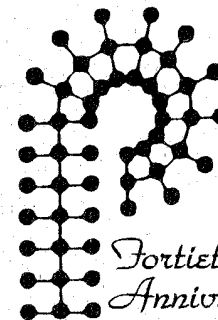
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Division of Polymer Chemistry, Inc.
American Chemical Society
Diane M. Morrill
1103 Chemistry Research Bldg.
Virginia Polytechnic Institute and State University
Blacksburg, VA 24061-0212

PLASTICS WASTE MANAGEMENT

An Interdisciplinary Workshop

sponsored by
**The Division of Polymer Chemistry
American Chemical Society**



*Fortieth
Anniversary 1951-1991*

December 9-12, 1991

**Monteleone Hotel
New Orleans, Louisiana**

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PLASTICS WASTE MANAGEMENT

Workshop organizers: S. J. Huang (University of Connecticut)
R. W. Lenz (University of Massachusetts)

The Polymer Chemistry Division of the American Chemical Society is offering an interdisciplinary workshop on Plastics Waste Management at the Monteleone Hotel, French Quarter, New Orleans, Louisiana from December 9-12, 1991. This workshop will offer an overview of the science, engineering, economics, and regulations of plastics waste management as well as recent scientific and technical highlights. In addition to formal lectures, poster sessions including the latest developments in plastics waste management are scheduled.

WHO SHOULD ATTEND

The workshop is designed to meet the needs of a wide variety of people engaged in research, development and practice of plastics waste management. 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, engineering and commercial developments. The workshop will be of interest to all scientists and engineers working on plastics waste management.

PRESENTATIONS

To present a poster, send a title and a 200-word abstract by November 15, 1991 to:

Professor R. W. Lenz
Polymer Science & Engineering Dept.
University of Massachusetts
Amherst, MA 01003
USA

Tel. 413-545-3060
FAX 413-545-0082

PROGRAM

SUNDAY, DECEMBER 8

- 3:30 p.m. Registration, Monteleone Hotel
6:00 - 8:00 Reception, Monteleone Hotel

MONDAY, DECEMBER 9

Overview

- 8:00 a.m. Registration
8:30 Opening Remarks
9:00 Legal Regulation of Plastic Waste Management
S. Garg (Lowenstein, Sandler, Kohl, Fisher & Boylan)
9:45 Recycling and Incineration Technology of Plastic Waste
R. Iijima (Plastic Waste Management Institute)
Coffee
10:30 Paper versus Polystyrene: Are Our Fears of Foam Unfounded?
M. B. Hocking (University of Victoria)
11:45 The Role of Biodegradable Polymers in Waste Management
K. D. Tracy (Warner-Lambert)
12:30 p.m. Lunch

Recycling

- 2:00 p.m. Polyolefin Recycling Studies
R. Austin (Exxon Chemical)
Compatibilizers for Recycled Polyamides and Polyesters
C.-C. M. Ma (National Tsing Hua University)
3:30 Coffee
4:00 Polymer Asphalt
W. Daly (University of Louisiana)
5:00-7:00 Poster Session

TUESDAY, DECEMBER 10

- 9:00 a.m. Polyester Recycling: Purification or Upgrading?
A. Apicella (University of Naples)
9:45 Polymers to Chemicals via Metathesis Depolymerization
K. Wagener (University of Florida)
10:30 Coffee
Biodegradation
11:00 a.m. Biodegradation Tests and Need for Standardization
G. Swift (Rohm & Haas)
11:45 Biodegradation Methods for Polymers
D. Kaplan (U.S. Army Natick Research)
12:30 p.m. Lunch
2:00 Environmental Degradation of Synthetic and Natural Polymers: Effects of Composting Techniques
E. Chiellini (Universita di Pisa)
2:45 Composting
L. W. King (Procter & Gamble)
2:45 Composting
L. W. King (Procter & Gamble)

- 3:30 Coffee
4:00 Microbial Degradation of Polyesters
J. A. Cameron (University of Connecticut)
4:45 Environmental vs. Biodegradation of Polyolefins
A.C. Albertsson (Royal Institute of Technology)
5:30-7:00 Poster Session

WEDNESDAY, DECEMBER 11

- 9:00 a.m. Evaluation of Polymer Biodegradation in Controlled Microbial Chemostats
G. L. Loomis (E. I. DuPont)
9:45 Metabolic Pathways and Metabolic Enzymes of Synthetic Polymer Biodegradation
F. Kawai (Kobe University of Commerce)
10:30 Coffee
Synthetic Polymers
11:00 a.m. Preparation Techniques and Degradation Studies on Polycaprolactone Films
D. Goldberg (Union Carbide)
11:45 Hydrodegradable Polyesters
B. Gordon III (Pennsylvania State University)
12:30 p.m. Lunch
2:00 Biodegradation of Poly(vinyl alcohol)
R. J. Axelrod and J. Phillips (Air Products and Chemicals)
2:45 Biodegradable Water Soluble Polymer Design
S. Matsumura (Keio University)
3:30 Coffee

Natural Polymers

- 4:00 p.m. Biosynthesis and Degradation of Bacterial Polyesters
R. C. Fuller (University of Massachusetts)
4:45 The Effects of Crystallinity and Blend Morphology on the Biodegradability of Bacterial Polyesters
S. McCarthy (University of Lowell)
7:00 Banquet

THURSDAY, DECEMBER 12

- 9:00 a.m. Biodegradation and Morphologies of Polymer Blends Based on Microbial Poly(3-hydroxybutyrate)
Y. Doi (Tokyo Institute of Technology)
9:45 Biodegradation of Starch-Polymer Blends
R. Wool (University of Illinois)
10:30 Coffee
11:00 Mater-bi (Starch Based Materials): Properties and Biodegradability
C. Bastioli (Fertec)
11:45 Closing Remarks