

Thursday, April 30, 1998

7:45am Registration/Continental Breakfast (Included)

8:50am-12:00pm Session I

**Chair:** Fred Cook, Georgia Tech

**Moving Carpet Recycling Closer to Reality: From Pilot Plant to Commercialization**

Micheal R. Costello, AlliedSignal, Petersburg, VA

**Textile Waste Recovery, Recycling and Reuse—A European Dimension**

A. R. Horrocks, Bolton Institute, Bolton, U.K.

10:00-10:30 Refreshment break

**Chair:** Bob Donaghue, P<sup>2</sup>AD

**Recycling Efforts at Shaw Industries**

John Conyers, Jr., Shaw Industries, Dalton, GA

**Carpet & Rug Institute's Recycling Initiatives**

Carroll Turner, Carpet & Rug Institute, Dalton, GA

**Powerbond ER<sup>3</sup>—The Commercial Manufacturing of the World's First High-Performance Recycled Carpet Backing**

Dobbins Callahan, Colins & Aikman Floorcoverings, Dalton, GA

12:00pm-1:30pm Lunch (Included)

1:30pm-5:00pm Session II

**Chair:** Ian Hardin, University of Georgia

**SB Latex/Calcium Carbonate Carpet Waste Recycling Program**

Robert J. Fensterheim, SB Latex Council, Washington, DC

**DuPont and Nylon Recycling**

Peter Kasserra, DuPont Canada, Kingston, ON

**Application of Raman Spectroscopy for Rapid Identification of Carpet Fiber Polymer Type**

Kenneth Haber, Yanan Jiang, George Laurence, Dor Ben-Amotz, and Edward Grant, SpectraCode, Inc., West Lafayette, IN

3:00-3:30 Refreshment break

**Chair:** Matthew Realff, Georgia Tech

**An Approach to Sustainable Flooring Manufacture**

Ray Berard, Jim Hartzfeld, and Jennifer DuBose, Interface Research Corp., Kennesaw, GA

**Cradle-to-Cradle Recycling of Corterra™ Polymers**

Paul K. Casey, Hoe Chuah, Imrich Greschler, and Russ Vinson, Shell Chemical Co., Houston, TX

**Development of a Biotechnological Process for Reutilization of Nylon Waste**

Karl-Erik L. Eriksson and Walter C. Derrick, University of Georgia, Athens, GA

5:00pm-7:00pm Reception (Included)

*Third Annual Conference on  
Recycling of Fibrous Textile and Carpet Waste  
PROGRAM*

Friday, May 1, 1998

7:45 am Continental Breakfast (Included)

8:30am-12:00pm Session III

**Chair:** Carroll Turner, Carpet & Rug Institute

**Options and Economics for the Recovery of Chemicals from Polyester/Cotton Textiles**

Robert J. Evans, National Renewable Energy Laboratory, Golden, CO

**Recycling of Carpet Fibers into Car Parts**

Atul R. Vora and Louis Rumao, Visteon Automotive Systems, Dearborn, MI

**Applications for Glass Mat Reinforced Recycled Thermoplastic Laminates Derived from Textile Wastes**

D. Holty, Georgia Composites, Inc., and J. Muzzy, Georgia Institute of Technology, Atlanta, GA

10:00-10:30 Refreshment break

**Chair:** Robert Evans, National Renewable Energy Laboratory

**An Overview of Commercial Recycling Technologies and Textile Application for the Products**

Ken Hawn, Tex America, Charlotte, NC

**Design Parameters for Using Waste Fibers in Composites, Laminates, and Honeycomb Sandwich Construction for Wood Replacement**

Abraham M. Kotliar, Georgia Tech, Atlanta, GA

**Reverse Production System Synthesis for Carpet**

Matthew J. Realff, Georgia Tech, Atlanta, GA

12:00pm-1:00pm Lunch (Included)

1:00pm-2:30pm Session IV

**Chair:** Ray Berard, Interface Research Corp.

**The Effect of Dyestuffs on the Mechanical and Thermal Properties of Nylon Fibers Recycled from Post-Consumer Carpets**

Yasser Gowayed and Weiping Lin, Auburn University, Auburn, AL

**Enhanced Biodegradation of Fibrous Solid Waste from Textile Production**

K. Das, J. Smith, P. A. Annis, and E. W. Tollner, University of Georgia, Athens, GA

**The Effect of Waste Polymer Inclusion on Oriented Polypropylene Geotextile Tapes**

Subhas Ghosh, Institute of Textile Technology, Charlottesville, VA and A. R. Horrocks, Bolton Institute, Bolton, UK

2:30pm Adjourn

