

**Monday, May 17, 1999**

**7:45am Registration/Continental Breakfast (Included)**

**8:50am-12:00pm Session I**

**Chair: John Convers, Jr., Shaw Industries**

**Processes for Recycling Durable Synthetic Polymers**

B. J. Jody, D. E. Karvelas, and E. J. Daniels, Argonne National Laboratory, IL

**Chemical Recycling of Polyamide 6.6 and Polyamide 6 through a Two Step Ami-/Ammonolysis Process**

S. Bodrero, E. Canivenc, Rhone Poulenc Industrialisation, and F. Cansell, Institut de Chimie La Matiere Condensee de Bordeaux, FRANCE

**10:00-10:30 Refreshment break**

**Chair: Youjiang Wang, Georgia Institute of Technology**

**Milliken's Earth Square Carpet Renewal Process**

W. Blackstock, Milliken Carpet, GA

**Polyamide 66 and 6 Recycling: Commercial Scale Facilities Demonstration**

H. P. Kasserra and D. M. Richard, DuPont Canada, ON

**Injection Molding of Natural Fiber Reinforced Composites using Wastes of Various Fabrics**

T. Kimura, Y. Kataoka, Y. Kondo and T. Takahashi, Kyoto Institute of Technology, JAPAN

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

**1:30pm-5:00pm Session II**

**Chair: Randy Hartmann, P<sup>2</sup>AD**

**Utilization of Carpet, Textile & Apparel Waste for Soil Reinforcement**

J. D. Frost, Y. Wang, J. Murray, and A. Jones, Georgia Institute of Technology, GA

**Concrete Cracking Control with Recycled Tire Cords**

H. C. Wu, Wayne State University, MI

**Novel Applications of Pre- and Post-Consumer Carpet Wastes in Concrete**

M. Miraftab, Bolton Institute, UK

**3:00-3:30 Refreshment break**

**Chair: P. M. Subramanian, SPM Technologies**

**Recyclability of Glass Cloth Waste Coated by PVC as a Fiber Reinforced Composite**

K. Emori and T. Kimura, Kyoto Institute of Technology, JAPAN

**Textile Recycling in the Changing Global Market**

B. Brill, SMART, MD

**Panel Discussion on Textile Recycling:**

Bernie Brill (Moderator), SMART, MD

Don Cantrell, Leigh Fibers, SC

Neil Anderson, Russell Corp., AL

**5:30pm-7:00pm Reception (Included)**

## 4th Annual Conference on Recycling of Fibrous Textile and Carpet Waste

### PROGRAM

**Tuesday, May 18, 1999**

**7:45am Continental Breakfast (Included)**

**8:30am-12:30pm Session III**

**Chair: Michael Costello, AlliedSignal**

**Size Reduction Technology for Carpet Waste**

E. Hensel, New Mexico State University, NM

**LCA Issues for Understanding the Environmental Profile of Carpet**

B. R. Yaros and C. Chaffee, Boustead Consulting & Associates, Ltd., PA

**Robust Reverse Production Design for Carpet Recycling**

D. Newton, M. J. Reaff, and J. C. Ammons, Georgia Institute of Technology, GA

**10:00-10:30 Refreshment break**

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

**Compression Molding of Square Pipe using Wastes of Synthetic and Natural Fabrics**

S. Katori and T. Kimura, Kyoto Institute of Technology, JAPAN

**Novel Principle for Mechanical Recycling of Carpet Waste Using Pressure Shear Pulverization Process**

F. Shutov, Tennessee Technological University, TN

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

K. Hawn, Tex America, NC

**Air Lay Technology for Processing Carpet Waste**

F. Oberlehner, Fehrer AG, AUSTRIA

**12:30pm Adjourn of Conference Sessions**

**12:30pm-1:10pm Lunch (Included)**

**1:30pm-3:30pm Tours**

**Tour of the R & D facility of Shaw Industries, Inc.:**

Please sign up at the registration table and pick up a direction map if you plan to drive there. A shuttle van will leave at 1:15pm and the tour will start at 1:30pm. If demand warrants, a second tour will be offered shortly afterwards.



## **List of Tabletop Displays**

AlliedSignal, Inc.  
Boustead Consulting & Associates, Ltd.  
Carpet & Rug Institute  
Collins & Aikman Floor Coverings  
Crigler Enterprises, Inc.  
Dawson Textile Machinery  
Expon-Holzmag  
GA Department of Industry, Trade & Tourism  
GA Pollution Prevention Assistance Division  
Georgia Institute of Technology  
Granutech - Saturn Systems  
Harris Waste Management Group  
International Baler Corp.  
Merritt Extruders  
Milliken & Company  
Reduction Technology  
SPM Technologies  
Tennessee Technological University  
University of Georgia

## **Conference Sponsors**

School of Textile & Fiber Engineering, Georgia Institute of Technology  
Pollution Prevention Assistance Division (P<sup>2</sup>AD), Georgia Department of Natural Resources  
The Carpet & Rug Institute (CRI)  
Secondary Materials and Recycled Textiles Association (SMART)  
Department of Textiles, Merchandising & Interiors, University of Georgia  
Dalton State College

*The Fourth Annual Conference on*  
**Recycling of Fibrous Textile and Carpet Waste**  
North West Georgia Trade & Convention Center, Dalton, Georgia  
May 17-18, 1999