Recycling of Fibrous Textile and Carpet Waste  
Co-sponsored by  
School of Textile & Fiber Engineering, Georgia Institute of Technology and  
Consortium on Competitiveness for the Apparel, Carpet and Textile Industries (CCACTI)  

Red Top Mt. Lodge, Cartersville, GA 30120  

Final Program  

Wednesday, June 12, 1996  

7:30-8:30  Continental Breakfast  
8:00-9:00  Registration  

9:00-11:45  Session I  
Moderators: Chris Bryant, Director, R&TD, Shaw Industries  
           Satish Kumar, Associate Professor, Georgia Tech  

9:00  Welcome  
9:15  Real World Experiences in Carpet Recycling  
      Rick Otero, DuPont Nylon, P.O. Box 80025, Wilmington, DE  
9:45  Recycling of Textile Polymers by Flexible Chemical Processing  
      Robert Evans, National Renewable Energy Laboratory, 1617 Cole Blvd., Golden, CO  
10:15  Coffee Break  
10:45  Depolymerization Processes in the Recycling of Nylon 6, Nylon 66, and PET  
      Malcolm Polk, School of Textile and Fiber Engineering, Georgia Institute of Technology, Atlanta, GA  
11:15  Mechanical Separation of Nylon 6 from Post-Consumer Carpet Waste  (Not on video tape)  
      David Yamamoto, Shred Tech/BASF, 295 Pinebush Rd., Cambridge, Ontario  

11:45-1:15  Lunch  

1:15-5:00  Session II  
Moderators: Charles F. Pratt, Manager of Polymer Materials, GE Corporate R&D  
           John Muzzy, Professor, Georgia Tech  

1:15  An Overview of the Textile Recycling Industry: Current Status and Future Directions  
      Edward Stubin, Trans-Americas FSC, Inc., 116-122 West St. P.O.Box 365, Brooklyn, NY  
1:40  Textile Waste - Garbage or Raw Material  
      Don Cantrell, Leigh Fibers, P.O. Box 1132, Spartanburg, SC  
2:05  Carpet Waste Fibers for Concrete and Soil Reinforcement  
      Youjiang Wang, School of Textile & Fiber Engineering, Georgia Institute of Technology, Atlanta, GA  
2:40  Coffee Break  
3:10  Overview: Center of Excellence on Fibrous Waste Utilization at Georgia Tech  
      Fred Cook, School of Textile and Fiber Engineering, Georgia Institute of Technology, Atlanta, GA  
3:30  Carpet Waste to Energy Conversion: A study with emphasis on economic and environmental factors  
      Jim Rader, World Carpets, Inc., P.O. Box 1448, Dalton, GA  
4:00  Recycling for Profit: A Case History  
      Siebolt Hettinga, Hettinga Technologies, 2123 N.W. 111th St, Des Moines, Iowa  

5:00-7:00  Reception
Recycling of Fibrous Textile and Carpet Waste

Final Program (Continued)

Thursday, June 13, 1996

7:30-8:30 Continental Breakfast

8:30-11:35 Session III
Moderators: Paul Weinle, V.P. Research & Development, Collins & Aikman
Youjiang Wang, Associate Professor, Georgia Tech

8:30 Announcements
8:35 Developments in Mechanical Separations in Post-consumer Carpets
Hank Traweek, United Recycling, 3119 Lynn Ave. S., St Louis Park, MN
9:05 Reactive Extrusion of Post-Consumer Carpet into Thermoplastic Resins
Jerry Dickerson, Monsanto Chemical Co., P.O. Box 97, Gonzalez, FL
9:35 Polymer Blends and their Relevance to Fiber, Textile, and Carpet Waste Recycling
Satish Kumar, School of Textile and Fiber Engineering, Georgia Institute of Technology, Atlanta, GA
10:05 Coffee Break
10:35 Mechanical Properties of Thermoplastics from Textile Waste
John Muzzy, School of Chemical Engineering, Georgia Institute of Technology, Atlanta, GA
11:05 Plastic Laminates from Recycled Carpet
Abe Kotliar and Stephen Michielsen, School of Textile & Fiber Engineering, Georgia Institute of Technology, Atlanta, GA

11:45-1:15 Lunch

1:15-3:00 Session IV
Moderators: Jerry Dickerson, Monsanto Chemical Co.
Stephen Michielsen, Associate Professor, Georgia Tech

1:15 Life Cycle Analysis: A Tutorial Through the Case of Carpet Tiles
Matthew Realff, School of Chemical Engineering, Georgia Institute of Technology, Atlanta, GA
1:50 Process for Recycling Vinyl Backed Carpet
Paul Weinle, Collins & Aikman Floor Coverings, 311 Smith Ind. Blvd., Dalton, GA
2:20 Recycling of Carpet/Textile Waste and Packaging Materials
Bart Campbell, Cycle-Tex, Inc., 111 W. Westcott Way, Dalton, GA

3:00 Adjourn