

Table 1: Techtextil-Symposium NA 2008 Schedule of Events

Tuesday, April 1

8:30-11:00 a.m.

101: General Session

- Keynote Address
- Trade Issues
- Synthetic Fibers in the Global Technical Textiles Industry
- New Applications of Fiber-Based Products
- European Technical Textiles — Business Developments and Economic Atmosphere

1:30-4:00 p.m.

102: Research By The National Textile Center

103: Concerns Of Expanding Globally

- International Solutions for Internal Processes
- Protecting Intellectual Property Globally
- The Importance of Relationships When Expanding Globally
- Invention, Innovation and New Product Development: Building Worldwide Partnerships
- Expanding Globally — Working with the Government to Facilitate International Expansion
- The 10 Major Mistakes Made by US Exporters

104: High-Performance Engineered Flexible Materials And Structures (Nonwovens)

- Nanoporous Alumina Membranes
- Carbonized and Activated Cotton Nonwovens
- New Surface Finishing Processes for Potential Filtration Applications

- Nanofibers with Tunable Electrical Conductivity for Hybrid Electrospun/Traditional Filters
- Modeling Permeability of Fibrous Media
- Computer Program for Filter Media Design
- High Performance Micro and Nano Engineered Structures

Wednesday, April 2

8:30-11:00 a.m.

201: Government I — Protection

- Eco-Friendly Self-Decontaminating Fabrics
- Flame and Thermal Protective Materials
- Electroactive Textile System for Controllable, Variable Permeability

202: Composites

- Lightweight Hybrid Composites Made from Carbon and Glass Fabrics with High Modulus Polypropylene Fibers
- The Effect of Nesting and Compaction on the Interfacial Shear Behavior of Woven Composites
- Nano-reinforced Shape Memory Fibers
- A Novel 3-D Woven-Knit Hybrid Fabric for Composite Reinforcement
- Morphology and Mechanical Properties of Nylon 6/MWNT Nanofibers in Composites

203: Extreme Fibers

- Advances in High Temperature Thermoplastic Fibers
- PEEK Fiber for the Future

- Advances in Weathering Resistance of COPE
- Calendered High-Performance Meltblown Nonwoven from Liquid Crystalline Polymer
- High-Tech Specialty Fiber
- Spun Carbon Yarns, A New Tool for Composite Reinforcements

1:30-4:30 p.m.

204: Government II — Multifunctional Textiles For Military Applications

- The Challenge of Fielding Combat Uniforms
- Multifunctional Fibers and Textiles via Manipulation of Nanoscale Phenomena
- Development of Novel Decontamination Wipes

205: Technical Knits

- Technical Knits — Offering New Opportunities
- Spacer Fabrics — Unique Knit Constructions for Special Applications
- Developing Specialty Knit Fabrics to Meet Performance Standards
- Solutions For Technical Textiles

206: Automotive

- Navigating the Development Process
- Material Trends in Automotive Interior Trim
- Silicone Rheology and the Impact on Airbag Coatings
- Tuff Times Ahead for Tufted Automotive Floor Carpets?
- Thermoplastic Film Adhesives for

- Automotive Interiors
- Mechanical Rubber Goods — Vital Components for Longer Life

Thursday, April 3

8:30-11:30 a.m.

301: Nanotechnology

- Application of Nanotechnology to Fiber and Fabrics
- Nanotechnology — Enabling Multifunctional Environmentally Friendly Textile Finishes
- Photostability Improvement of Nomex® with Titania Nanocoating

302: Body Armor For Law Enforcement Protection

- Proposed NIJ 0101.06 Standard for Soft Body Armor
- 3-D Ballistic Technology for the Next Generation
- Development of UHMWPE-Based Personal Body Armor
- Air-Activated Resin-based Trauma Reduction Devices

303: Enhancing Value By Finishing

- Carbon Footprints and Market Opportunities
- Functional Finishes and Surface Modification
- Comparison of Waterproof-Breathable Garment Technologies via Physiological Data Monitoring
- Multilayered Membrane Assemblies
- Advantages of UV-Curable Polymers for Coating Applications