



**National Institute of
Standards and Technology**



**Building and Fire
Research Laboratory**



1st ANNUAL BFRL and AFMA SPONSORED WORKSHOP

**PROGRESS IN TECHNOLOGIES AND FIRE PERFORMANCE TESTING OF BARRIER
FABRICS INTENDED FOR MATTRESS AND UPHOLSTERY FURNITURE INDUSTRIES**

NIST - Gaithersburg, Maryland

March 18th-19th, 2009

DAY 1 – March 18th, 2009

- 8:30 – 9:15 Introduction and Meeting Guidelines (**Rick Davis, Anthony Hamins - NIST**)
9:15 – 10:00 Barrier Fabric Overview (**Gordon Damant – Damant & Associates**)
10:00 – 10:15 Break
10:15 – 10:45 Learnings from Fire Performance Testing Development (**Tom Ohlemiller - NIST**)
10:45 – 11:15 Mattress Manufacturers on Barrier Fabric (**Carlene Evenson-Peterson - Evenson Peterson Consulting**)
11:15 – 12:15 Lunch (NIST Cafeteria)

Large Scale and/or Standards Testing (LST)

- 12:15 – 1:00 Mattress, Upholstery Furniture and Barrier Fabrics (**John McCormack – Independent Fire Consultant**)
1:00 – 1:45 Bedclothes Testing (**Jeff Vercellone - Kaneka**)
1:45 – 2:15 Panel Discussions on Large Scale Testing / Break

Small Scale (Bench) Testing (SST)

- 2:15 – 3:00 Bedclothes, Upholstered Furniture, and Barrier Materials in Small-Scale Testing (**Michele Wallace – Cotton Incorporated**)
3:00 – 3:45 Testing Approaches for Barrier Fabric Product Development (**Ley Richardson – DuPont**)
3:45 – 4:30 Panel Discussions on Small Scale Testing / Break
4:30 – 5:00 End of Day 1 Comments (**Rick Davis - NIST**)
6:30 Dinner – Macaroni Grill (next to hotel)

<http://www.bfrl.nist.gov/866/barrierfabric/>

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DAY 2 – March 19th, 2009

Material Technologies

- | | |
|---------------|--|
| 8:30 – 8:45 | Day 2 Introduction Remarks (Rick Davis - NIST) |
| 8:45 – 9:30 | Barrier Fabric Materials Overview (Alan Handermann – Basofil Fibers LLC) |
| 9:30 – 10:00 | Layer-by-Layer Coating of Barrier Fabrics (Jamie Grunlan – Texas A&M) |
| 10:00 – 10:15 | Break |
| 10:15 – 10:45 | High Performance Fibers Using Nanofillers (Satish Kumar – Georgia Tech) |
| 10:45 – 11:15 | Cotton Barrier Fabric Technologies (DV Parikh - USDA) |
| 11:15 – 11:45 | Panel Discussions on Material Technologies |
| 11:45 – 1:00 | Lunch (NIST Cafeteria) |

Safety, Health and Environmental (SHE)

- | | |
|-------------|---|
| 1:00 – 1:45 | SHE Overview of Fire Retardants (John McCormack – Independent Fire Consultant) |
| 1:45 – 2:15 | Fire Retardant Sustainability (Jeffrey Gilman - NIST) |
| 2:15 – 2:30 | Break |

Foam Flammability Consortium Update

- | | |
|-------------|---|
| 2:30 – 3:00 | Novel Materials and Testing Methods for Foam Flammability Testing (Mauro Zammarano - NIST) |
| 3:00 – 3:30 | Open Forum Discussion (Rick Davis - NIST) |
| 3:30 | Closing Comments (Rick Davis - NIST) |

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