



October 9 & 10, 2007
The Aerospace Corporation
Building A-1, 1062
El Segundo, California

Tuesday, October 9, 2007

- 8:00 Registration / Continental Breakfast**
- 10:00 Welcome and Introductions**
Dr. Gary Hawkins, Principal Director, Space Materials Laboratory
The Aerospace Corporation
Col. James Horejsi, Director, Engineering and Architecture
USAF Space and Missile Systems Center
- 10:15 Independent Review and Risk Assessment of SMC Satellites and Boosters**
Tom Freitag, The Aerospace Corporation
- 11:00 Test Like You Fly: The Search for Defects**
Julie White, The Aerospace Corporation
- 11:45 Exhibits / Lunch (on your own)**

Session I

Session Chair: Douglas Chism, The Aerospace Corporation

- 1:00 Adhesive Lessons Learned from the Boston I-90 Ceiling Collapse Investigation**
Carl Schultheisz, NTSB
- 1:45 Special Considerations for the Integration of Space Vehicles**
James Denman, Boeing
- 2:30 Break and Exhibits**
- 3:30 Vibration Testing of Spacecraft**
Ben Doty, Jet Propulsion Laboratory
- 4:00 Precise and Efficient Measurements of Thermal Expansion Properties of Space Materials**
Jim Tucker, ATK
- 4:30 Session Concludes**



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7:30 Registration / Exhibits / Continental Breakfast

Session II

Session Chair: Howard Katzman, The Aerospace Corporation

8:30 Common Mistakes in Composite Design & Manufacturing, How to Avoid Them
Stan Peters, Process Research

9:00 Composite Prepreg for Space Applications
Sean Johnson, YLA

9:30 Break and Exhibits

10:30 Improved Materials Through the Evolution of Composites
Nathan Johnson, Hexcel

11:00 Bonded Joint Analysis for Aerospace Applications
Steven Kiefer, ATK

11:30 Lunch (on your own)

Session III

Session Chair: George Epstein, Composites and Adhesives Newsletter

12:30 Space Shuttle External Tank Foam Issues
Tim Graves, The Aerospace Corporation

1:15 Development and Testing of Thermal Protection System for CEV Orion
Ethiraj Venkatapathy, NASA Ames

2:00 Guided Wave Ultrasonic for Composites Testing and Characterization
B. Boro Djordjevic, Materials and Sensors Technologies, Inc.

2:30 Composite Bond Inspection
Dr. Robert Crane, AFRL

3:00 Conference Concludes

Exhibit Hours

Tuesday, October 9
11:45 a.m. - 1:00 p.m.
2:30 - 3:30 p.m.

Wednesday, October 10
7:30 - 8:30 a.m.
9:30 - 10:30 a.m.