AMTAS Spring 2007 Meeting
April 12, 2007
University of Washington, HUB 310 (200A & 204N breakouts)

AGENDA *

8:00 AM Registration & Coffee

8:30–8:50 AM Welcome and Brief Remarks
Mark Tuttle, AMTAS Director
Matt O’Donnell, Dean,
UW College of Engineering

8:50–9:00 AM AMTAS Composites Institute Short Course
Kuen Lin, AMTAS Co-Director

9:00-9:15 AM Failure of Notched Laminates under Out-of-Plane Bending
Tim Kennedy, Oregon State Univ.

9:15–9:30 AM Workshop Briefing/Expectations
Mark Tuttle/Larry Ilcewicz, FAA

9:30–9:45 AM Coffee Break

9:45–11:30 AM Current AMTAS Research Breakout Sessions:
Damage Tolerance & Aeroelastic Instability (Lin/Livne) Room 310
Adhesive Bonding (Flinn, Smith) Room 200A
Maintenance & Repair Curricula (Seaton) Room 204N

These breakout sessions are devoted to topics being addressed in ongoing AMTAS studies. Attendees will participate in the breakout session of their choice. Attendees are asked to review summaries related to the session they will attend prior to the meeting.

These summaries are available at http://depts.washington.edu/amtas/events/amtas_07spring/PI_presentations.html. Each breakout session will begin with a brief (5–10 min) summary presentation by AMTAS PIs, followed by a detailed give-and-take discussion intended to clarify the results, significance, and practical implications of each study, and to identify future needs and next steps.

11:30 AM –12:15 PM Lunch

12:15–1:15 PM Presentations on Future R&D
12:15–12:35 Multifunctional Ferroelectric Nanostructures
Jiangyu Li, UW
12:35–12:55 Composites Crashworthiness and Energy Absorption
Paolo Feraboli, UW
12:55–1:15 The Analysis of Composite Failures
Jonathan Gosse, The Boeing Co.

* subject to change
1:15–1:25 PM Workshop Briefing/Expectations

John Quinlivan

1:25–2:30 PM Breakouts (3): Future Research Areas

Moderators: Dan Hoffman, Bob LaMantea and Patrick Stickler

These breakout sessions are brainstorming sessions intended to identify future research or educational efforts that should be undertaken by AMTAS partners. Attendees will be divided into three groups, each with a moderator.

2:30–2:45 PM Refreshment Break

2:45–3:45 PM Report-outs: Current AMTAS R&D (20 min. ea.)

2:45–3:05 Damage Tolerance and Aeroelastic Instability

Cliff Chen & Kumar Bhatia, The Boeing Co.

3:05–3:25 Adhesive Bonding

Peter Van Vooast, The Boeing Co. & Eugene Dan-Jumbo, Northrop Grumman

3:25–3:45 Maintenance & Repair Curriculum

Joe Hafenrichter, The Boeing Co.

3:45–4:15 PM Report-outs: Future Research Areas (10 min. ea.)

Moderators

4:15 PM Next steps/Wrap-up

Mark Tuttle

4:30 PM Adjourn/Social Hour

* subject to change