

AMTAS Autumn 2012 Meeting

October 31, 2012

University of Washington, HUB Lyceum

AGENDA *

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| 8:00–8:30 AM | Registration / Continental Breakfast | |
| 8:30–8:45 AM | Welcome / AMTAS Update | Mark Tuttle, AMTAS Director |
| 8:45–10:15 AM | Session I | |
| 8:45–9:00 | • Effect of Surface Contamination on Composite Bond Integrity and Durability | Tomas Pribanic for Dwayne McDaniel, FIU |
| 9:00–9:05 | <i>Discussion</i> | |
| 9:05–9:20 | • Improving Adhesive Bonding of Composites through Surface Characterization | Ashley Tracey/Brian Flinn, UW |
| 9:20–9:25 | <i>Discussion</i> | |
| 9:25–9:40 | • Durability of Adhesively Bonded Joints for Aircraft Structures | Dan Adams, U of U |
| 9:40–9:45 | <i>Discussion</i> | |
| 9:45–10:15 | Industry Feedback | Kay Blohowiak, The Boeing Co. |
| 10:15–10:30 AM | Coffee Break | |
| 10:30 AM–12:15 PM | Session II | |
| 10:30–10:45 | • Failure of Notched Laminates under Out-of-Plane Bending | John Parmigiani, OSU |
| 10:45–10:50 | <i>Discussion</i> | |
| 10:50–11:05 | • Delamination/Disbond Arrest Features in Aircraft Composite Structure | Kuen Lin, UW |
| 11:05–11:10 | <i>Discussion</i> | |
| 11:10–11:25 | • Development and Evaluation of Fracture Mechanics Test Methods for Sandwich Composites | Dan Adams, U of U |
| 11:25–11:40 | • Damage Tolerance Test Method Development for Sandwich Composites | Dan Adams, U of U |
| 11:40–11:45 | <i>Discussion</i> | |
| 11:45–12:15 | Industry Feedback | Gerry Mabson, The Boeing Co. |
| 12:15–1:00 PM | Lunch | |
| 1:00–3:10 PM | Session III | |
| 1:00–1:15 | • Certification of Discontinuous Composite Material Forms for Aircraft Structures | Brian Head/Mark Tuttle, UW |
| 1:15–1:20 | <i>Discussion</i> | |
| 1:20–1:35 | • Development of a Test/Analysis Certification Protocol for Crashworthiness of Composite-intensive Commercial Transport Fuselage | Paolo Feraboli, UW |
| 1:35–1:40 | <i>Discussion</i> | |

CONTINUES ON OTHER SIDE

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| 1:40–1:55 | • Composite Thermal Damage Measurement with Handheld FT-IR | Brian Flinn, UW |
| 1:55–2:00 | <i>Discussion</i> | |
| 2:00–2:10 | • Update on Optimal Thermal Repair Project (ended 6/12) | Ashley Emery, UW |
| 2:10–2:40 | • FAA Safety Awareness Course Developments | Larry Ilcewicz, FAA |
| 2:40–3:10 | Industry Feedback | Mostafa Rassaian, The Boeing Co. |
| 3:10–3:30 PM | Wrap Up/Adjourn | Mark Tuttle, AMTAS Director |