

AMTAS Autumn 2011 Meeting

November 1, 2011
 Edmonds Conference Center

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–12:00 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 | • Probabilistic Fracture Analysis of Disbond/Delamination Arrest with Fasteners in Composite Structures | Chi Ho Cheung/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 |
| 11:25–11:30 | <i>Discussion</i> | |
| 11:30–12:00 | Industry Feedback | Gerry Mabson, The Boeing Co. |
| 12:00–12:45 PM | Lunch | |
| 12:45–2:45 PM | Session III | |
| 12:45–1:00 | • Certification of Discontinuous Composite Material Forms for Aircraft Structures | Mark Tuttle, UW |
| 1:00–1:05 | <i>Discussion</i> | |
| 1:05–1:20 | • Development of a Recommended Test/Analysis Correlation Protocol for Airframe Crashworthiness Certification | Paolo Feraboli, UW |
| 1:20–1:25 | <i>Discussion</i> | |
| 1:25–1:40 | • Future Composite Repair Systems: Disruptive Technologies for NDE | Jinjun Xia & Chen-wei Wei, UW |
| 1:40–1:45 | <i>Discussion</i> | |

CONTINUES ON OTHER SIDE

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| 1:45–2:15 | • FAA Safety Awareness Course Developments | Larry Ilcewicz, FAA & Goran Fernlund, Convergent Manufacturing Technologies |
| 2:15–2:45 | Industry Feedback | Mostafa Rassaian, The Boeing Co. |
| 2:45–3:00 PM | Wrap Up/Adjourn | Mark Tuttle, AMTAS Director |