



AMTAS Autumn 2009 Meeting

November 5, 2009
University of Washington, HUB 310

AGENDA *

8:00–8:30 AM	Registration / Continental Breakfast	
8:30–9:00 AM	Welcome / AMTAS-JAMS Status and Future Plans	Mark Tuttle, AMTAS Director
9:00–10:15 AM	Research Projects I	
9:00–9:10	• Washington Aerospace Training and Research Center	Cyndi Schaeffer and Larry Cluphf, Edmonds CC
9:10–9:15	<i>Discussion</i>	
9:15–9:45	• Composite Safety and Certification Initiative: Proposed Training Strategy	Charles Seaton, Edmonds CC; Larry Ilcewicz, FAA
9:45–10:15	<i>Discussion</i>	
10:15–10:30 AM	Coffee Break	
10:30 AM–12:00 PM	Research Projects II	
10:30–10:50	• Identification and Validation of Analytical Chemistry Methods for Detecting Composite Surface Contamination and Moisture	Tomas Pribanic for Dwayne McDaniel, FIU
10:50–11:00	<i>Discussion</i>	
11:00–11:20	• Improving Adhesive Bonding of Composites through Surface Characterization	Brian Flinn, UW MSE
11:20–11:30	<i>Discussion</i>	
11:30–11:50	• Inverse/Optimal Thermal Repair of Composites	Ashley Emery, UW ME
11:50–12:00	<i>Discussion</i>	
12:00–12:45 PM	Lunch	
12:45–2:15 PM	Research Projects III	
12:45–1:05	• Failure of Notched Laminates under Out-of-Plane Bending	Tim Kennedy, Oregon State Univ.
1:05–1:15	<i>Discussion</i>	
1:15–1:35	• Development of Reliability–Based Damage Tolerant Structural Design Methodology	Kuen Lin, UW A&A
1:35–1:45	<i>Discussion</i>	
1:45–2:05	• Combined Global/Local Variability and Uncertainty in Integrated Aeroservoelasticity of Composite Aircraft	Eli Livne, UW A&A
2:05–2:15	<i>Discussion</i>	
2:15–2:45 PM	Break	

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* subject to change

2:45–4:15 PM	Research Projects IV	
2:45–3:05	• Certification of Discontinuous Composite Material Forms for Aircraft Structures	Mark Tuttle, UW ME
3:05–3:15	<i>Discussion</i>	
3:15–3:35	• Development and Evaluation of Fracture Mechanics Test Methods for Sandwich Composites	Dan Adams, U of U
3:35–3:45	<i>Discussion</i>	
3:45–4:05	• Standardization of Numerical & Experimental Methods for Crashworthiness of Composite Materials	Paolo Feraboli, UW A&A
4:05–4:15	<i>Discussion</i>	
4:15–4:30 PM	Wrap Up/Adjourn	Mark Tuttle, AMTAS Director
4:30–6:00 PM	Informal Reception	