

AMTAS Autumn 2010 Meeting

October 21, 2010
 Edmonds Conference Center

AGENDA *

8:00–8:30 AM	Registration / Continental Breakfast	
8:30–9:00 AM	Welcome / Review of New AMTAS Schedule and Process	Mari Ostendorf, Associate Dean for Research, UW Coll. of Engineering Mark Tuttle, AMTAS Director Larry Ilcewicz, FAA
9:00–10:15 AM	Research Projects I	
9:00–9:15	• Certification of Discontinuous Composite Material Forms for Aircraft Structures	Tory Shifman/Mark Tuttle, UW ME
9:15–9:20	<i>Discussion</i>	
9:20–9:35	• Certification of Discontinuous Composite Material Forms for Aircraft Structures	Marco Ciccu/Paolo Feraboli, UW AA
9:35–9:40	<i>Discussion</i>	
9:40–10:10	• Industry Feedback	Bill Avery, The Boeing Co.
10:10–10:30 AM	Coffee Break	
10:30 AM–12:00 PM	Research Projects II	
10:30–10:45	• Effect of Surface Contamination on Composite Bond Integrity and Durability	Tomas Pribanic for Dwayne McDaniel, FIU
10:45–10:50	<i>Discussion</i>	
10:50–11:05	• Improving Adhesive Bonding of Composites through Surface Characterization	Ashley Tracey/Brian Flinn, UW MSE
11:05–11:10	<i>Discussion</i>	
11:10–11:25	• Durability of Adhesively Bonded Joints for Aircraft Structures	Mark Tuttle for Dan Adams, U of U
11:25–11:30	<i>Discussion</i>	
11:30–12:00	• Industry Feedback	Kay Blohowiak, The Boeing Co.
12:00–12:45 PM	Lunch	
12:45–2:15 PM	Research Projects III	
12:45–1:00	• Failure of Notched Laminates under Out-of-Plane Bending	John Parmigiani, OSU
1:00–1:05	<i>Discussion</i>	
1:05–1:20	• Probabilistic Fracture Analysis of Disbond in Bonded-Bolted Composite Structures	Chi Ho Cheung/Kuen Lin, UW A&A
1:20–1:25	<i>Discussion</i>	
1:25–1:40	• Inverse/Optimal Thermal Repair of Composites	Ashley Emery, UW ME
1:40–1:45	<i>Discussion</i>	
1:45–2:15	• Industry Feedback	Gerry Mabson, The Boeing Co.
2:15–2:45 PM	Break	

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* subject to change

2:45–3:55 PM	Research Projects IV	
2:45–3:00	<ul style="list-style-type: none"> • Crashworthiness of Composite Structures: Modeling of the Crushing of UD Tape Sinusoidal Specimens using a Progressive Failure Model 	Francesco Deleo/Paolo Feraboli, UW A&A
3:00–3:05	<i>Discussion</i>	
3:05–3:20	<ul style="list-style-type: none"> • Combined Global/Local Variability and Uncertainty in Integrated Aeroservoelasticity of Composite Aircraft 	Eli Livne, UW A&A
3:20–3:25	<i>Discussion</i>	
3:25–3:55	<ul style="list-style-type: none"> • Industry Feedback 	Mostafa Rassaian, The Boeing Co.
3:55–4:05 PM	<ul style="list-style-type: none"> • Composite Structural Engineering Safety Awareness Course Development 	Charlie Seaton, WiSU
4:05–4:30 PM	Wrap Up/Adjourn	Mark Tuttle, AMTAS Director