

AMTAS Autumn 2019 Meeting

November 5–6, 2019
 UW Center for Urban Horticulture

NOVEMBER 5TH AGENDA *

8:00–8:30 AM	Registration / Continental Breakfast	
8:30–8:40 AM	Welcome / AMTAS Update	Mark Tuttle, AMTAS Director Ahmet Oztekin, JAMS Program Mgr.
8:40–8:45 AM	Overview of the new UW Composites Center	Santosh Devasia, BARC Director, UW
8:45–9:15 AM	Session I	
8:45–9:15	• FAA Research Overview	Cindy Ashforth/Larry Ilcewicz, FAA
9:15 AM–11:05 AM	Session II	
9:15–9:35	• Evaluation of Parameters used in Progressive Damage Models	David Plechaty/ Satish Solanki/ John Parmigiani, OSU
9:35–9:40	<i>Discussion</i>	
9:40–10:00	• Development of a Building Block Approach for Crashworthiness Testing of Composites	Erin Blessing/Dan Adams, U of U
10:00–10:05	<i>Discussion</i>	
10:05–10:25	• Safety and Certification of Discontinuous Fiber Composite Structures	Marco Salviato, UW
10:25–10:30	<i>Discussion</i>	
10:30–10:45 AM	Coffee Break	
10:45–11:05	Session II Industry Feedback	Charles Park, The Boeing Co.
11:05 AM–1:25 PM	Session III	
11:05–11:25	• Durability of Adhesively Bonded Aerospace Structure	Lloyd Smith, Wash State U
11:25–11:30	<i>Discussion</i>	
11:30–11:50	• Evaluation of Notch Sensitivity of Composite Sandwich Structures	Martin Raming/Dan Adams, U of U
11:50–11:55	<i>Discussion</i>	
11:55–12:15	• Effects of Moisture Diffusion in Sandwich Composites	Shiva Pattapu/Mark Tuttle, UW
12:15–12:20	<i>Discussion</i>	
12:20–1:00 PM	Lunch	
1:00–1:20	Session III Industry Feedback	Charles Park, The Boeing Co.

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1:20–2:55 PM	Session IV	
1:20–1:40	• Improving Adhesive Bonding of Composites through Surface Characterization	Brian Flinn, UW
1:40–1:45	<i>Discussion</i>	
1:45–2:05	• Development and Evaluation of Environmental Durability Test Methods for Composite Bonded Joints	Dan Adams, U of U
2:05–2:10	<i>Discussion</i>	
2:10–2:30	• Effect of Surface Contamination on Composite Bond Integrity and Durability	Dwayne McDaniel, FIU
2:30–2:35	<i>Discussion</i>	
2:35–2:55	Session IV Industry Feedback	Ashley Tracey, The Boeing Co.
2:55–3:05 PM	Wrap Up/Adjourn	Mark Tuttle, AMTAS Director
3:05–3:30 PM	AMTAS Pls-only Discussion of Projects	Ahmet Oztekin, JAMS Program Mgr.



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NOVEMBER 6TH AGENDA *

7:30–8:00 AM Registration / Continental Breakfast

8:00 AM –12 PM Composite Certification Tutorial

Larry Ilcewicz & Cindy Ashforth,
FAA Composites Certification

NOTE: This is an abbreviated version of the certification tutorial offered at CMH-17 PMC meetings, based on Volume 3, Chapter 3 of the handbook. The intended audience is anyone involved in composite aviation applications, including material suppliers, academia, parts suppliers, and airframe manufacturers who are interested in influencing FAA composite research and AMTAS direction. No charge to attend.

8:00–8:45 AM Certification 101

8:45–9:15 AM Technical Challenges

9:15–10:00 AM Material and Process Control

10:00 –10:15 AM Coffee Break

10:15–11:15 AM Structural Substantiation

11:15 AM –12 PM Other Topics (Maintenance, Flutter, Crashworthiness, Fire Protection, and Lightning Protection)

12:00–1:00 PM Lunch

1:00–4:00 PM Future Research Planning

This session is an opportunity for all attendees to discuss industry and FAA research priorities, propose future projects, develop program management processes (including coordination with other JAMS research parties), scope budget, and identify funding mechanisms.

4:00–4:10 PM Wrap-up and closure