Welcome!

JAMS/AMTAS Fall 2019 Meeting

University of Washington
Center for Urban Horticultural

5 November 2019
Welcome!

- This is the 23rd AMTAS Meeting held since 2004
- The meeting agenda, list of attendees, and a summary of WiFi connection info are all available at the registration desk:
  - **Agenda**: A two-day meeting involving twenty-two authors/coauthors representing 5 universities, the Boeing company, and the FAA
    - Day 1: Reports on progress in existing AMTAS studies
    - Day 2: (a) Tutorial: issues related to composite certification  
    (b) Future research planning
  - **Attendees**: 71 persons have pre-registered for the meeting
Background and Status
The FAA Center of Excellence Program

- FAA CoE program was initiated in 1990

- Administered by Ms. Karen Davis of the W. J. Hughes Research Center (Atlantic City, New Jersey)

- Twelve CoEs have been established since 1990 (six are active)

- Additional information: [www.faa.gov/go/coe](http://www.faa.gov/go/coe)
The FAA Joint Advanced Materials and Structures (JAMS) Center of Excellence was formed in 2004 and consists of two university teams:

- AMTAS (‘A’dvanced ‘M’aterials in ‘T’ransport ‘A’ircraft ‘S’tructures)
- CECAM (‘Ce’nter for ‘C’omposites and ‘A’dvanced ‘M’aterials)

JAMS has received a 5-year extension (to 2024?)
AMTAS (Advanced Materials for Transport Aircraft Structures)
- University of Washington, Lead
- Washington State University
- Oregon State University
- Edmonds Community College
- Florida International University
- University of Utah

CECAM (Center for Composites and Advanced Materials)
- Wichita State University, Lead
- Northwestern University
- Purdue University
- Tuskegee University
- University of Delaware
- University of California at Los Angeles
• Annual JAMS meetings
  • Held during spring (~ March-June)
  • Speakers from all 12 JAMS universities
  • The two lead universities (UW and WiSU) alternate as hosts
  • 2019 JAMS Meeting was hosted by WiSU, held in conjunction with SAMPE Mtg, 20-23 May, Charlotte, NC
  • 2020 JAMS Meeting will be hosted by UW, to held in conjunction with SAMPE Mtg, 4-7 May, Seattle, WA

• Annual AMTAS meetings
  • Held during autumn (~ Oct-Nov) in the Pacific Northwest
  • Speakers drawn from AMTAS universities, industry, FAA
  • 71 registrants for today’s meeting
JAMS/AMTAS Administration
FAA personnel

- Karen Davis, CoE Grants Officer
  Kathleen Voss, Pre-Award
  Alan Teyssier, Post-Award
  Ahmet Oztekin, JAMS Program Manager

  W. J. Hughes Research Center, Atlantic City NJ

- Larry Ilcewicz, FAA CSTA Advanced Composites,
  Cindy Ashforth, FAA Senior Technical Specialist, Advanced Composites

  Airplane Transport Directorate Field Office
  Des Moines, WA
Prof. Mark Tuttle, AMTAS Director
Ms. Ellen Barker, Assistant to the Director
JAMS/AMTAS Meetings

• Agendas and presentations from all past JAMS-AMTAS meetings are available from the AMTAS website:

  http://depts.washington.edu/amtas/

  (follow link to “Events”)

• Summary and presentations from the meeting today will be posted sometime next week (Ellen will send e-mail when site is updated)
Special thanks to:

- The Boeing Company
- Our many additional industrial partners, particularly
  - Hexcel Corporation
  - Cytec
  - Toray
  - Bell Helicopters
  - 3M
Special thanks to..

- The University of Washington:
  - Provost Office (Vice Provost Mary Lidstrom)
  - College of Engineering (Dean Nancy Allbritton, Vice Dean Greg Miller)
  - Department of Aeronautics and Astronautics (Chair Kristi Morgansen)
  - Department of Materials Science and Engineering (Chair Jihui Yang)
  - Department of Mechanical Engineering (Chair Per Reinhall)
• Please participate in the discussion throughout the day!!!
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• Comments or Questions before we begin?
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Thanks for attending!