<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>12:15</td>
<td>Registration: Kane Hall 220</td>
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<tr>
<td>1:00</td>
<td>Welcome and Opening Remarks (Curtis Davies, FAA and Mark Tuttle, AMTAS Director, University of Washington)</td>
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<tr>
<td>1:10</td>
<td>Welcome (Dan Schwartz, Acting Associate Dean for New Initiatives, University of Washington College of Engineering)</td>
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<tr>
<td>1:15</td>
<td>Introduction to FAA Research (Curtis Davies, FAA)</td>
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<td>1:45</td>
<td>Industry Presentation: Jim Brown, Toray Composites (America), Inc.</td>
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<td>2:00</td>
<td>Industry Presentation: Shreeram Raj, Cytec Engineered Materials</td>
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<td>2:15</td>
<td>Industry Presentation: Jason Scharf, C&amp;D Zodiac</td>
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<td>2:30</td>
<td>&quot;Composite Education in the UK&quot; (Andrew Walker, University of Manchester)</td>
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<td>2:45</td>
<td>Break</td>
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<td>3:00</td>
<td>Course Development: Maintenance of Composite Aircraft Structures (Larry Ilcewicz, FAA)</td>
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<td>3:40</td>
<td>Crashworthiness Certification by Analysis: Numerical Model Preparation and Analysis Guidelines (Gerardo Olives, Wichita State University)</td>
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<td>4:20</td>
<td>Damage Tolerance and Durability of Adhesively Bonded Composite Structures (Hyonny Kim, Purdue University)</td>
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<td>5:00</td>
<td>Adjourn</td>
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**Wednesday, June 21, 2006**

**AM**

8:00  VARTM Variability and Substantiation  (Dirk Heider, University of Delaware)

8:40  Development of Reliability-Based Damage Tolerant Structural Design Methodology  (Kuen Y. Lin, University of Washington)

9:20  Structural Health Monitoring for Life Management of Aircraft  
     (Sridhar Krishnaswamy, Northwestern University)

10:00 Break

10:20 Full-Scale Damage Tolerance of Sandwich Structures  (Suresh (Raju) Keshavanarayana, Wichita State University)

11:00 Damage Tolerance and Durability of Fiber Metal Laminates for Aircraft Structures  (J.M. Yang, UCLA)

11:40 Lunch — sponsored by ABAQUS, Inc.  
     Presentation by Kyle Indermuehle, “Simulating Composite Damage from Tool-drop Accidents with ABAQUS”

**PM**

12:45 Combined Global/Local Variability and Uncertainty in Integrated Aeroservoelasticity of Composite Aircraft  (Eli Livne, University of Washington)

1:25  Quantifying Methods for the Evaluation of the Fitness of Fiber Reinforced Composite Surfaces for Subsequent Adhesive Bonding  (Bill Stevenson, Wichita State University)

2:05  Improving Adhesive Bonding of Composites through Surface Characterization  
     (Brian Flinn, University of Washington)

2:45 Break

3:00  The Effect of Surface Treatment on the Degradation of Composite Adhesives  
     (Prashanthi Pothakamuri, Washington State University)

3:40  Identification and Validation of Analytical Chemistry Methods for Detecting Composite Surface Contamination and Moisture  (Xiangyang Zhou, Florida International University)

4:20  Effects of Repair Procedures Applied to Composite Airframe Structures  
     (Lamia Salah, Wichita State University)

5:00  Adjourn

6:00–9:00 Barbecue & Water Activities — sponsored by Toray Composites (America), Inc., University of Washington Waterfront Activities Center
Thursday, June 22, 2006

AM

8:00  Production Control Effect on Composite Material Quality and Stability
      (Yeow Ng, Wichita State University)

8:40  Aging Effects Evaluation of a Beechcraft Starship and a Decommissioned
      Boeing CRFP 737-200 Horizontal Stabilizer  (Lamia Salah, Wichita State
      University)

9:20  Crashworthiness of Composite Fuselage Structures—Material Dynamic
      Properties  (Suresh (Raju) Keshavanarayana, Wichita State University)

10:00  Break

10:15  Evaluation of Friction Stir Weld Process and Properties for Aerospace
      Application  (Christian Widener, Wichita State University)

10:55  Industry Feedback: Andy Thomas, Bell Helicopter Textron

11:20  Industry Feedback: George Miller, Spirit AeroSystems

11:45  Industry Feedback: Jim Krone, Cessna Aircraft Company

12:05  Industry Feedback: John Quinlivan, The Boeing Company

12:30  Concluding Comments and Wrap-up

12:45  Adjourn

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