

Detailed Agenda for FAA Bonded Structures Workshop

Presentation Topics, Speakers and Technical Leaders for Breakout Sessions

Wednesday, June 16th 2004

FAA Welcome & Overview:

- 1:00-1:15 "Introductions" - Curt Davies, FAA
- 1:15-2:00 "Safety & Certification Initiatives for Bonded Structures" - Larry Ilcewicz, FAA
- 2:00-3:00 "FAA Bonded Structure Survey" - John Tomblin, WSU; Curt Davies, FAA
- 3:00-3:15 *Break*
- Session 1: Applications and Service Experiences
- 3:15-4:15 "Best Practices in Adhesive Bonding" - Max Davis, Australian DGTA-AMB
- 4:15-4:45 "Cessna Bonding Experience" - Andrew Kasowski, Cessna
- 4:45-5:05 "Propeller Continued Airworthiness & Service Issues" - Jay Turnberg, FAA
- 5:05-5:45 "Critical Factors Controlling Durability of Bonded Composite Joints --- Surface Preparation and Pre-Bond Issues" - John Hart-Smith, Boeing

Thursday, June 17th 2004

Session 2: Technical Breakout Sessions

- 8:00-12:00 *Parallel sessions run 55 minutes each/Break 9:50-10:10*
- M&P Qualification and Control**
Jim Krone, Cessna; John Tomblin, WSU; Jim Mazza, USAF
- Design Development and Structural Substantiation**
D.M. Hoyt, NSE; Steve Ward, SW Composites; Hyonny Kim, Purdue
- Manufacturing Implementation & Experience**
Brian Coxon, Intec; Steve Forness, DER; Anoush Poursartip & Goran Fernlund, UBC
- Repair Implementation & Experience**
Peter Smith, retired Boeing; Gary Oakes, Boeing; Jim Epperson, Nordam
- 12:00-1:15 *Lunch*
- Session 3: Material & Process Qualification and Control
- 1:15-2:00 "Critical Materials & Processes Bonded Joint Issues"
Peter Van Voast & Kay Blohowiak, Boeing
- 2:00-2:30 "Adhesive Bonding Surface Prep Qualification Considerations"
Jim Mazza, USAF
- 2:30-2:50 "The Effect of Environmental Moisture on the Performance and Certification of Adhesively Bonded Joints" - David Bond, UMIST UK
- 2:50-3:10 "Structural Adhesives at Lancair" - Dieter Koehler, Lancair
- 3:10-3:30 "Adhesive Processing Considerations" - Mark Chris, Bell Helicopters Textron
- 3:30-3:45 *Break*

Thursday Cont ...

- Session 4: Design Development and Structural Substantiation
- 3:45-4:25 "Bonded Joints Analysis, Data, and Substantiation - Industry Practice and Technical Issues"
D.M. Hoyt, NSE Composites & Steve Ward, SW Composites
- 4:25-4:55 "Adhesive Bonding Experience at Cirrus Design" - Paul Brey, Cirrus Design
- 4:55-5:15 "Cobonding Primary Structure, Processing Issues and Related Tests" - Al Fawcett, Boeing
- 5:15-5:35 "Certifying Bonded Structure - A New Company's Approach" - Pierre Harter, Adam Aircraft
- 5:35-5:45 *Closure*

Friday, June 18th 2004

- Session 5: Manufacturing Implementation & Experience
- 8:00-8:30 "Structural Metal Bonding at Cessna Aircraft" - Jim Krone, Cessna
- 8:30-8:50 "Bonding from a Honeycomb Core Perspective" - Hal Loken, Dupont
- 8:50-9:10 "Perspectives on Bonded Structures" - Steve Forness, DER
- 9:10-9:30 *Break*
- Session 6: Repair Implementation & Experience
- 9:30-10:00 "Repair and Maintenance Implementation: Airline Experiences"
Eric Chesmar, UAL & CACRC
- 10:00-10:30 "Certification of Adhesive Bonded Repairs for Environmental Durability"
Andrew Rider, DSTO
- Session 7: Summary
- 10:30-10:40 "M&P Qualification and Control: Breakout Summary" - John Tomblin, WSU
- 10:40-10:50 "Design Development and Structural Substantiation: Breakout Summary"
D.M. Hoyt, NSE Composites
- 10:50-11:00 "Manufacturing Implementation & Experience: Breakout Summary" - Brian Coxon, Intec
- 11:00-11:10 "Repair Implementation & Experience: Breakout Summary" - Peter Smith, retired Boeing
- 11:10-11:25 "Workshop Review" - Ric Abbot, retired Raytheon
- 11:25-11:40 *Recap/Actions/Closure* - Larry Ilcewicz & Curt Davies, FAA