

Next Generation Transport Aircraft Workshop 2014

8:50	Welcome and Introductions	Shigeru Obayashi, Tohoku University Tomonaga Okabe, Tohoku University
Boeing Higher Education Program Research Project Presentation 5min Q&A for each		
9:00	Model Experiment of Sonic Boom Signature Propagation through Turbulence in a Ballistic Range	Takahiro Ukai, Tohoku University
9:20	Unsteady Flow Calculation Using Implicit Method on a Moving Unstructured Grid	Yuta Sawaki, Tohoku University
9:40	Data Assimilation Method for CFD/EFD Integration	Chen Fang, Tohoku University
10:00-10:15 Refreshment Break		
Computational Aeroacoustics Invited Lectures		
10:15	Numerical Simulation of Noise Propagation around Aircraft Based on Cartesian Mesh Method	Yuma Fukushima, Tohoku University
10:45	From Technology to the Airplane: The Quiet Technology Demonstrators	Takao Suzuki, The Boeing Company
Next Generation Transport Aircraft Research Center Presentation 5min Q&A for each		
11:15	Opening remarks	Tomonaga Okabe, Tohoku University Mark Tuttle, University of Washington
11:20	Multi-scale Modeling of Fiber-reinforced Plastic Composites	Tomonaga Okabe, Tohoku University
11:50	Title TBD	Tia Benson Tolle, The Boeing Company
12:20-13:15 BHE Student's Poster & Presentation, Informal Lunch		
13:15	Indentation Response and Damage Monitoring of Foam-Core Sandwich Structures	Nobuo Takeda, The University of Tokyo
13:45	Thermal Analysis and its Applications in Aerospace Composite Materials	Joy Wu, Pinnacle Materials Laboratory
14:15	Strains Induced in a Pressurized Composite Dome with Complex Stacking Sequence	Mark Tuttle, University of Washington
14:45-15:00 Refreshment Break		
15:00	Application of the eXtended Finite Element Method to Virtual Testing of Composite	Toshio Nagashima, Sophia University
15:30	Delamination Arrest by Multiple Fasteners in Bonded Composite Structures	Kuen Lin/Luke Richard, University of Washington
16:00	Statistical Prediction of Tensile Creep Failure Time for Unidirectional CFRP	Yasushi Miyano, Kanazawa Inst. of Technology
16:30	Title TBD	Dave Swartz, FAA
17:00	Concluding Comments	Tomonaga Okabe, Tohoku University