

Agenda

8:30-8:40	Welcome and Introductions	Mark Tuttle, Univ Washington Tomonaga Okabe, Tohoku University Ken Yoshioka, Toray Composites (America)
Session 1 (each at 25 mins + 5 min Q/A)		
8:40-9:10	AMTAS: A University-Industry-Government Collaboration	Mark Tuttle, University of Washington
9:10-9:40	The Innovation Imperative: Commercial Airplanes	Dave Trop, The Boeing Company
9:40-9:50	Break	
Session 2 (each at 15 mins + 5 min Q/A)		
9:50-10:10	Optical Fiber Based Process and Structural Health Monitoring of Aerospace Composite Structures	Nobuo Takeda, The University of Tokyo
10:10-10:30	Accelerated Testing Methodology for Long-Term Durability of CFRP Laminates and Structures	Yasushi Miyano, Kanazawa Inst of Technology
10:30-10:50	Jet engine production and technology development in Japan/IHI	Kuniyuki Imanari, IHI Corporation
Session 3 (student presentations from UW and Tohoku Univ, each @ 10 mins + 5 min Q&A)		
10:50-11:05	Unsteady Flow Calculation Using Implicit Method on a Moving Grid	Hiomasa Hayashi, Tohoku University
11:05-11:20	A Study of Strain Gradients in Notched Composite Panels	Mahdi Ashrafi, University of Washington
11:20-11:35	Development of hybrid flight simulator with multi-degree-of-freedom robot	Kohei Kakizaki, Tohoku University
11:35-11:50	Detection of Incipient Thermal Damage of CFRP Using Fluorescent Thermal Damage Probe	Tucker Howie, University of Washington
11:50-12:05	Tohoku University's Electric Car for Student Formula Japan	Shigenori Hashida, Tohoku University
12:05-12:20	Stress Analysis of a Novel Composite Pressure Vessel	James Cross, University of Washington
12:20-1:00	Informal Box Lunch	
Session 4		
1:00-1:30	A Path to Cost-Effective Design of High Performance Composite Structures	Ramesh Talreja, Texas A&M
1:30-2:00	Delamination/Disbond Arrest Fasteners in Aircraft Composite Structures	Kuen Lin, University of Washington
2:00-2:30	Nano-Alloy Technology for High Performance CFRP	Takayuki Fujiwara, Toray Industries, Inc.
2:30-2:50	Multi-Objective Design Exploration (mode) Applied to a Regional Jet Design	Shigeru Obayashi, Tohoku University
2:50-3:10	Unsteady Pressure-Sensitive Paint Techniques for Dynamic Wind-Tunnel Testing	Keisuke Asai, Tohoku University
3:10-3:30	Numerical Study of Wing Deformation Effect in Wind-Tunnel Testing	Keisuke Sawada, Tohoku University
3:30-3:45	Concluding Comments	Mark Tuttle, Univ Washington Tomonaga Okabe, Tohoku University Ken Yoshioka, Toray Composites (America)