Next Generation Transport Aircraft Workshop 2015

5min Q&A for each

7:50	**Welcome and Introductions**	Shigeru Obayashi, Tohoku University Tomonaga Okabe, Tohoku University
Material Science & Engineering		
8:00	Life Cycle Monitoring and In-situ Quality Assurance of Aircraft Composite Structures	Nobuo Takeda, The University of Tokyo
8:30	A Novel Method of Composite Repair	Mark Tuttle, University of Washington
9:00	On the Prediction of Open Hole Compressive and Open Hole Tensile Strengths of Fiber Reinforced Laminates	Anthony Waas, University of Washington
9:30	Delamination Arrest Features in Aircraft Composite Structures	Kuen Lin and Luke Richard, University of Washington
10:00-10:15　　　Refreshment Break		
Panel Discussion		
10:15	Transport Airframe Technology Evolution: The Early Years, Autoclave and Prepreg Technology The B787 Benchmark Emerging Out-of-Autoclave Technology Considerations	John Halpin, JCH Consultants Inc. Larry Ilcewicz, FAA Al Miller, Retired Boeing Tia H Benson Tolle, Boeing
12:00-13:00　　　Informal Lunch at Atrium		
Boeing Higher Education Program		
13:00	Breakdown of Safety Myth in Mega-scale Systems; The Accident of Fukushima Daiichi Nuclear Power Plant: What we learned from the accident, and what we should have learned from aerospace and fast train safety systems.	Shigenao Maruyama, Tohoku University
	Poster Session	Tohoku University Students
Aerodynamics & Acoustics		
14:00	Feature Extraction from Design Space	Shigeru Obayashi, Tohoku University
14:30	Visualization of Buffet Phenomenon on a Transonic Swept Wing using Unsteady Pressure-Sensitive Paint	Keisuke Asai, Tohoku University
15:00-15:15　　　Refreshment Break		
15:15	A Numerical Attempt to Predict Transonic Buffet Onset using Unsteady Perturbed RANS Simulation	Keisuke Sawada, Tohoku University
15:45	Japanese Mars Airplane -Towards the World First Exploration using Airplane on Mars	Hiroki Nagai, Tohoku University
16:15	Concluding Comments	Tomonaga Okabe, Tohoku University