

AGENDA

Tuesday, June 5, 2012		
Time (EST)	Time (PST)	Seedling Topic and PI
10:30 – 11:15	7:30 – 8:15	Deformation and Damage in Structurally Graded Nano-Crystalline Aluminum Alloys <i>Ed Glaessgen (LaRC)</i>
11:15 – 12:00	8:15 – 9:00	Novel Bonding Methodologies Toward the Attainment of Primary Bonded Aircraft Structure <i>John Connell (LaRC)</i>
Break		
13:00 – 13:45	10:00 – 10:45	Enhanced Dielectric-Barrier-Discharge Body-Force Generation using Nanofoam Materials with Infused Catalytic Layer <i>Mia Siochi (LaRC)</i>
13:45 – 14:30	10:45 – 11:30	Fluorescence-Doped Particles for Simultaneous Temperature and Velocity Imaging <i>Paul Danehy (LaRC)</i>
14:30 – 15:15	11:30 – 12:15	Nonlinear Aerodynamics Modeling using Fuzzy Logic <i>Jay Brandon (LaRC)</i>
Break		
16:15 – 17:00	13:15 – 14:00	Controller Performance Evaluation of Fly-by-Feel Technology <i>Marty Brenner (DFRC)</i>
17:00 – 17:45	14:00 – 14:45	Sensor-Only System Identification for Structural Health Monitoring of Advanced Aircraft <i>Sunil Kukreja (DFRC)</i>
Wednesday, June 6, 2012		
Time (EST)	Time (PST)	Seedling Topic and PI
10:30 – 11:15	7:30 – 8:15	High Temperature Lightweight Self-Healing Ceramic Composites for Aircraft Engine Applications <i>Sai Raj (GRC)</i>
11:15 – 12:00	8:15 – 9:00	Ultra High Temperature Silicon Carbide Fiber <i>Jim Di Carlo (GRC)</i>
Break		
13:00 – 13:45	10:00 – 10:45	Hybrid Boron Nitride Nanotubes – Carbon Nanostructures Supercapacitor with High Energy Density <i>Diana Santiago (GRC)</i>
13:45 – 14:30	10:45 – 11:30	Single Crystal High-Temperature Shape Memory Alloys <i>Glenn Bigelow (GRC)</i>
14:30 – 15:15	11:30 – 12:15	Three Dimensional Cellular Structures Enhanced By Shape Memory Alloys <i>Michael Nathal (GRC)</i>
Break		
16:15 – 17:00	13:15 – 14:00	Autonomous Optical Collision Detection to Enable Unmanned Aircraft Systems in the National Airspace System <i>Chad Frost (ARC)</i>
17:00 – 17:45	14:00 – 14:45	Reducing the Environmental Impact of Aviation: A Data Mining Approach to Instantaneous Estimation of Fuel Consumption <i>Ashok Srivastava (ARC)</i>

Thursday, June 7, 2012

Time (EST)	Time (PST)	Seedling Topic and PI
10:30 – 11:15	7:30 – 8:15	Nano-rod Piezoelectrics for Icephobic Surfaces <i>Fred Dynys (GRC)</i>
11:15 – 12:00	8:15 – 9:00	Design and Development of Aerogel-Based Antennas for Aerospace Applications <i>Mary Ann Meador (GRC)</i>
12:00 – 12:45	9:00 – 9:45	Luminescence-Based Temperature Mapping at Turbine Engine Temperatures Using Breakthrough Cr-Doped GdAlO ₃ <i>Jeff Eldridge (GRC)</i>
Break		
13:45 – 14:30	10:45 – 11:30	Integration and Control of Morphing Wing Structures for Fuel Efficiency/Performance <i>Corey Ippolito (ARC)</i>
14:30 – 15:15	11:30 – 12:15	Combined Electric Aircraft and Airspace Management Design for Metro-Regional Public Transportation <i>Dean Kontinos (ARC)</i>