



ITAR RESTRICTED

AT&T Education and Conference Center
 The University of Texas at Austin
 1900 University Avenue
 Austin, TX 78705

Agenda Day 1
 Wednesday, March 24, 2010

Time	Topic	Speaker
0700-0800	Registration	
Introduction and Context		
0800-0810	Welcome	Robin Beck NASA Ames Research Center
0810-0835	HARP/NHFRP Status Update	John Schmisser AFOSR
0835-0900	SNL Perspective on MRV Issues	David Kuntz Sandia National Laboratories
0900-0925	Ablators: Future NASA Missions and Needs	Ethiraj Venkatapathy NASA Ames Research Center
Ablator Modeling Updates		
0925-1005	PECOS Overview	Robert Moser University of Texas at Austin
1005-1015	BREAK	
1015-1035	Issues Testing Ablators in Shear	David Driver NASA Ames Research Center
1040-1100	3D Material Response Modeling	Nagi Mansour NASA Ames Research Center
1105-1125	Fully Coupled Model for High Temperature Ablation with Surf Roughness	Alexander Povitsky Univ of Akron
1125-1225	LUNCH	
Ablative Materials Advancements		
1230-1300	Lockheed Martin Ablative Materials Advancements	Bill Willcockson Lockheed Martin
1300-1330	NASA ARC Ablative Materials Advancements	Mairead Stackpoole Eloret Corp. NASA Ames Anthony Calomino NASA GRC
1330-1400	Ablative TPS Manufacturing Technology Including Dual-Layer Systems	William Congdon Applied Research Associates, Inc.
1400-1430	Boeing Ablative Materials Advancements	Ed Curry The Boeing Company

Additional Context Presentation (Presenter's Schedule Issue)		
1430-1455	Navy Railgun Ablation Issues	Eric Wuchina ONR
1455-1505	BREAK	
Experimental Validation Techniques		
1505-1525	Overview of ASME V&V 20-2009, Standard for Verification and Validation in Computational Fluid Dynamics and Heat Transfer	Ben Blackwell Blackwell Consulting
1530-1550	Comparison of Materials Response (test to flight) Stardust	Mairead Stackpoole Eloret Corp., NASA Ames Frank Milos NASA Ames Research Center
1555-1615	New Facilities and Techniques for Testing Ablation	Douglas Fletcher University of Vermont
1620-1640	Low Temp Ablator Tests on Camphor	Steven Beresh/Justin Smith Sandia National Laboratories
1645-1705	Low Temp Ablator Tests on Dry Ice	Ryan Gosse AFRL Mark Reeder AFIT
1710-1730	Hymets Facility Capabilities	Scott Splinter NASA Langley Research Center
Poster Session in Classroom 103		
1745-1900	POSTER SESSION	
	Jim Arnold	Dual Layer Ablation Test Results
	Adam Beerman	Gas/Surface Interactions
	Nick Parziale	Preliminary Test Results from T5
	John Dec	3D Ablation Modeling
	Richard French	Arc Jet Data Base
	Ben Kirk	Coupling FIN-S Research Code and Chaleur
	Joe Marschall	Simultaneous Characterization of Mass Loss and Pyrolysis Gas Composition
		Gas-Surface Reaction Modeling for Hypersonic Flow Simulations
	Nathan Mullinex	A Tightly Coupled Solver for the Ablation of Graphite
	Charles Powars	Turbulent Flow Roughness Development and Effects
	Jose Santos	Sensors and Instrumentation of Ablative
	PECOS student posters	3 Presentations: ➤ Reed Anzalone ➤ Morgan Burns
1900	MEETING AJOURNED FOR THE DAY	

Agenda Day 2 Thursday, March 25, 2010		
Time	Topic	Speaker
0745-0815	Registration	
Low Cost Flight Test Options		
0815-0845	Air Force	John Schmisser AFOSR
0845-0915	Sandia Flight Tests	Walt Rutledge Sandia National Laboratories
0915-0945	Small Probe Reentry Investigation for TPS Engineering (SPRITE)	Ethiraj Venkatapathy NASA Ames Research Center
0945-0955	BREAK	
Canonical Problem Working Groups (Parallel) (90 min)		
1000-1130	Low Temperature Ablator (Camphor)	Dave Kuntz/Steve Beresh Sandia National Laboratories
1000-1130	Graphite	Bernard Laub NASA Ames Research Center
1000-1130	Analog Ablator (non ITAR)	Anthony Calomino NASA Glenn Research Center
1130-1230	LUNCH	
Discussion of Working Groups (serial presentations and discussions)		
1230-1300	Low Temperature Ablator (Camphor)	Dave Kuntz/Steve Beresh Sandia National Laboratories
1300-1330	Graphite	Bernard Laub NASA Ames Research Center
1330-1400	Analog Ablator (non ITAR)	Anthony Calomino NASA Glenn Research Center
1400-1430	Closing Remarks/Adjourn	Robin Beck NASA Ames Research Center
1430	MEETING ADJOURN	