



The Westin Arlington Gateway
 801 N Glebe Road | F. Scott Fitzgerald A/B Rooms
 Arlington, VA 22203

Time		Topic	Speaker
7:30		Registration	
8:00-8:30		Project Overview	Ivett Leyva/ Brian Argrow
8:30-9:00	Scientific Motivation	Hypersonic Boundary Layer Transition: From Disturbances to Turbulent Motion	Graham Candler
9:00-9:30		Atmospheric Dynamics Accounting for Stratospheric Turbulence	Dave Fritts
9:30-10:00		Optical Propagation through the Atmosphere: Concepts, Applications and Research Needs	Andreas Muschinski
10:00-10:15		BREAK	
10:15-10:45	Modelling Capabilities	Modeling Sources, Evolutions, and Statistics of Stratospheric Turbulence	Dave Fritts
10:45-11:15		Modeling Optical Propagation through the Atmosphere: First Principles, Assumptions, Approximations, and Algorithms	Andreas Muschinski
11:15-11:45		Atmospheric Disturbances and Boundary Layer Receptivity	Graham Candler
11:45-1:00		LUNCH	
1:00-1:30	Measurements Capabilities	High-Altitude Balloon Measurements of Atmospheric Particulates	Graham Candler
1:30-2:00		Stratospheric Kinetic Turbulence Measurement	Dale Lawrence
2:00-2:30		Balloon Bus Design and Telemetry	Aroh Barjatya
2:30-3:00		Optical Propagation through the Atmosphere: Observational Techniques and Measurement Needs	Andreas Muschinski /Greg Rieker
3:00-3:15		BREAK	
3:15-4:30		Discussion	
4:30-5:00		Wrap-up	