

## AGENDA

### Atmospheric Modeling at LES Scales Workshop

Physics Building 203, Conference room D120

September 4-5, 2013

#### Day 1: Wednesday, September 4

- 8:45 a.m.            **Arrival**  
Arrive at conference center by bus
- 9:00 a.m.            **Welcome**  
Dr. Mark Peters, Argonne Deputy Laboratory Director for Programs
- 9:10 a.m.            **Logistics and Information**
- 9:20 a.m.            **Motivation and Vision of the Workshop**  
Dr. Ramesh Balakrishnan (Argonne)
- 9:40 a.m.            **Challenges and State of the Art in Wind Energy High Performance Computing**  
Prof. James Brasseur (Penn State Univ.)
- 10:10 a.m.           **Challenges and State of the Art in Cloud Modeling**  
Prof. Steven Krueger (Univ. of Utah)
- 10:40 a.m.           **Coffee**
- 11:00 a.m.           **Inter-comparison of Turbulence Closure Models**  
Dr. David Randall (Colorado State Univ.)
- 11:20 a.m.           **Giga-LES of Deep Convection and its Applications**  
Dr. Chin-Hoh Moeng (NCAR/MMM)
- 11:40 a.m.           **Industry Perspective on Fine Scale Modeling**  
Drs. Dominic Von Terzi (GE Global Research) and Gregory S. Oxley (Vestas)
- 12:10 p.m.           **Task for the Working Groups (State of the Art in LES and DNS, Grand Challenge Problems and Capability Gaps)**  
Drs. Scott Collis and Yan Feng (Argonne)
- 12:20 p.m.           **Group Photo**
- 12:30 p.m.           **Lunch**
- 1:30 p.m.            **Clouds Breakout / Wind Energy Breakout**

3:00 p.m.           **Coffee**

3:30 p.m.           **Overview of Findings of the Breakout Session and Round Table Discussions**

5:00 p.m.           **Depart**  
Bus back to hotel

5:30-7:00 p.m.     **Dinner at hotel**

7:00-9:00 p.m.     **Breakout summaries and merged group discussion (Conference room in Marriott)**

**Day 2: Thursday, September 5**

8:30 a.m.           **Arrival**  
Arrive at conference center/Refresher

8:50 a.m.           **Task for the Breakout Groups**  
Vision for Short Term Achievable Objectives and Long-term Transformative Science

**Clouds Breakout / Wind Energy Breakout**

10:20 a.m.          **Coffee**

10:50 a.m.          **What Now?**  
Vision for the Path Forward Open Discussion

11:30 a.m.          **Closing Remarks**

12:00 p.m.          **Adjourn**  
Bus back to hotel