

AGENDA

Atmospheric Modeling at LES Scales Workshop

Physics Building 203, Conference room D120

September 4-5, 2013

Day 1: Wednesday, September 4

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| 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. | <u>Clouds Breakout / Wind Energy Breakout</u> |

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 <u>Clouds Breakout / Wind Energy Breakout</u>
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