

Day 1: Wednesday, March 2nd, Los Alamos Research Park, Rooms 203A&B

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| 7:30am | Registration/Badging |
| 8:00am | <p>Welcome and Introduction Terry Wallace, Principal Associate Director for Science, Technology & Engineering, LANL</p> <p>Keynote Address Invited Speaker: Mark Higgins, DOE Wind & Water Power Program “An Overview of the DOE Wind Program and Our R&D Research Priorities”</p> |
| 8:45am | <p>LANL Intelligent Wind Turbine Project Overview Curtt Ammerman, Applied Engineering & Technology Division, LANL</p> <p>Dynamically Coupled Turbine-Wind Simulations Using HPC Rod Linn, Earth and Environmental Sciences Division, LANL</p> <p>Blade FE and Coupled Plant Scale Aeroelastodynamic Modeling Gretchen Ellis, Applied Engineering & Technology Division, LANL DJ Luscher, Theoretical Division, LANL</p> |
| 10:15am | Break |
| 10:30am | <p>Multiscale Sensing and Structural Health Monitoring Kevin Farinholt, Applied Engineering & Technology Division, LANL</p> <p>Experimental Wind Turbine Aerodynamics Research BJ Balakumar, Physics Division, LANL</p> <p>Modeling Development Activities Curtt Ammerman, Applied Engineering & Technology Division, LANL</p> |
| 12:00pm | <p>Buffet Lunch Invited Speaker: John Dabiri, California Institute of Technology “Vertical-Axis Wind Turbines Revisited”</p> |
| 1:00pm | <p>Aerodynamic Modeling Overview Julie Lundquist, University of Colorado at Boulder</p> |
| 1:45pm | <p>Aerodynamic Validation Overview Case van Dam, University of California, Davis</p> |
| 2:30pm | Break |
| 2:45pm | <p>Structural Modeling Overview Brian Resor, Sandia National Labs</p> |
| 3:30pm | <p>Structural Validation Overview Mark Rumsey and Jon White, Sandia National Labs</p> |
| 4:15pm | <p>Overview of Tomorrow’s Breakout Sessions</p> |
| 4:30pm | Adjourn |
| 6:30pm | <p>Group Dinner – Location: Los Alamos Hilltop House Hotel Dining Room Invited Speaker: Peter Lissaman, Da Vinci Ventures “Wind, Wings, Creativity and the Gossamer Condor”</p> |

Day 2: Thursday, March 3rd, Los Alamos Research Park, Rooms 203A&B

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| 8:00am | Session Goals & Guidelines | |
| 8:15am | Aero Modeling and Validation 1 (203A) <i>Experiments and Simulations on Full-Scale Wind Turbines</i> | Structural Modeling and Validation 1 (203B) <i>Measuring and Modeling Real World Turbine Response</i> |
| 10:00am | Break | |
| 10:15am | Aero Modeling and Validation 2 (203A) <i>Turbulence and Scale-Model Wind Turbine Research – Relevance for Siting and Fatigue Loading Problems</i> | Structural Modeling and Validation 2 (203B) <i>Measuring and Modeling Damage and its Influence</i> |
| 12:00pm | Buffet Lunch Invited Speaker: Rebecca Barthelmie, Indiana University “Large Wind Farm Wakes” | |
| 1:00pm | Aero Modeling and Validation 3 (203A) <i>Path Forward for Future Experiments, Simulations, and Diagnostics</i> | Structural Modeling and Validation 3 (203B) <i>Path Forward for Future Experiments, Simulations, and Diagnostics</i> |
| 3:00pm | Break | |
| 3:15pm | Summary of Breakout Sessions | |
| 4:30pm | Wrap Up and Future Actions | |
| 5:00pm | Adjourn | |