

WindSTAR Industrial Advisory Board Meeting

Agenda

January 31, February 1, 2018

Naveen Jindal School of Management (JSOM) 1.517

Day 1: Wednesday, January 31

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|-------------------|---|
| 07:30AM | Registration (JSOM 11.301A) |
| 07:30AM - 08:30AM | Continental Breakfast & Networking (JSOM 11.305) |
| 08:30AM - 08:45AM | Welcome Remarks (JSOM 1.517)
Mario Rotea, WindSTAR Site Director, UT Dallas
Provost Inga Musselman, UT Dallas |
| 08:45AM - 09:15AM | NSF I/UCRC Presentation
Dr. Don Davis, NSF Center Evaluator |
| 09:15AM - 09:30AM | Meeting Goals, WindSTAR Center Capabilities and IAB Update
Dr. Christopher Niezrecki, WindSTAR Director
Dr. Mario Rotea, WindSTAR Site Director |
| 09:30AM – 09:55AM | Project Presentations, Discussion, L.I.F.E. Forms
(15 min. presentations, 5 min. discussion, 5 min. LIFE form)
A1-17: Curing of Thick Adhesive Joints |
| 09:55AM - 10:15AM | Break |
| 10:15AM - 11:30AM | Project Presentations, Discussion, L.I.F.E. Forms
(15 min. presentations, 5 min. discussion, 5 min. LIFE form)
A2-17: Mechanical Properties Enhancement Prediction for Matrix Materials
B1-17: Intelligent Damage Detection from Wind Turbine Blades Using Acoustic Excitation
B3-17: Low Cost Optical Fiber Strain Sensor Interrogator for Wind Turbine Blades |
| 11:30AM – 12:00PM | Lunch (JSOM 11.305) (30 min) |
| 12:00AM – 01:40PM | Project Presentations, Discussion, L.I.F.E. Forms
(15 min. presentations, 5 min. discussion, 5 min. LIFE form)
C1-17: Proactive Monitoring of Wind Farm Performance Through Wind LIDAR Data and a Reduced Order Model |

D1-17: Evaluation of Nested Extremum Seeking Wind Farm Control with SWIFT Facility

D2-17: NREL FAST Modeling for Blade Load Control with Plasma Actuators

A4-16: Effects of Manufacturing Induced Defects

- 01:40PM – 02:05PM **New Project Presentation**
(15 min. presentation, 5 min. discussion, 5 min. LIFE form)
C2-17: Uncertainty Quantification of Wind Farm Performance through High Fidelity Simulation and Wind LiDAR Measurements
- 02:05PM – 03:00PM **Other Presentations (Companies, Related Efforts)**
- 03:00PM – 03:20PM **Break**
- 03:20PM – 03:50PM **Discussion of WindSTAR Research Roadmap**
Dr. Christopher Niezrecki, WindSTAR Director
Dr. Mario Rotea, WindSTAR Site Director
- 03:50PM – 04:00PM **Recap & Evening Preview**
Dr. Mario Rotea, Review of Evening and Day 2 Activities
- 04:00PM – 04:30PM **Parallel Session: Center Operations Discussion (Members only)**
Mr. Patrick Drane, Assistant Director for Operations
Dr. Dario Solis, Assistant Director for Operations and Business Dev
NEW TOPICS, summer meeting dates
- 04:00PM – 04:30PM **Parallel Session: Information Session (JSOM 11.305)**
Dr. Christopher Niezrecki, WindSTAR Director
Dr. Mario Rotea, WindSTAR Site Director
Dr. Don Davis, NSF Center Evaluator
- 04:30PM – 05:00PM **Tour of New ME Building**
- 05:00PM – 06:00PM **UTD Wind Tunnel Tour, (WSTC 1.2)**
- 06:00PM – 06:30PM **Poster Session, Faculty Dining Room, Student Union (SU 2.905)**
- 06:30PM – 08:00PM **Dinner & Keynote Speech, Faculty Dining Room, Student Union**
Future of Offshore Wind Energy in the United States
Dr. Walt Musial, NREL

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Day 2: Thursday, February 1

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|-------------------|---|
| 07:30AM – 08:00AM | Arrival, Continental Breakfast, Networking (JSOM 11.305) |
| 08:00AM – 09:40AM | L.I.F.E. Form Review and Discussion |
| 09:40AM – 10:50AM | Closed Door IAB Meeting |
| 09:40AM – 10:50AM | WindSTAR Faculty meeting (JSOM 11.305) |
| 10:50AM – 11:10AM | Break |
| 11:10AM – 11:40AM | IAB Report Out, Discussion |
| 11:40AM – 11:50AM | Action Items and Plan for Summer Meeting |
| 11:50AM – 12:00PM | Summary and Closing Remarks |
| | Dr. Christopher Niezrecki, WindSTAR Director
Dr. Mario Rotea, WindSTAR Site Director |
| 12:00PM | Adjourn Meeting |