WindSTAR Industrial Advisory Board Meeting

Tentative Agenda

February 3 and 4, 2020
DGA 1.102B
800 West Campbell Rd., Richardson, TX 75080

Day 1: Monday, February 3

07:30AM  Registration (DGA 1.102B)

07:30AM - 08:30AM  Continental Breakfast & Networking (DGA 1.102B)

08:30AM - 08:45AM  Welcome Remarks (DGA 1.102C)
Mario Rotea, WindSTAR Site Director, 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)

09:55AM - 10:15AM  Break (DGA 1.102B)

10:15AM - 11:30AM  Project Presentations, Discussion, L.I.F.E. Forms
(15 min. presentations, 5 min. discussion, 5 min. LIFE form)
A2-19: Cure Cycle Optimization of Wind Turbine Blades Adhesive Bondlines
A3-19: Structural Wind Blade Repair Optimization
B1-19: Long-duration testing of the Acoustic Blade Monitoring System in a Wind Farm

11:30AM – 12:00PM  Lunch (30 min) (DGA 1.102B)

12:00AM – 02:30PM  Project Presentations, Discussion, L.I.F.E. Forms
(15 min. presentations, 5 min. discussion, 5 min. LIFE form)
C1-19: Data-driven Reduced Order Model based on LiDAR Measurements for Predictions of Wind-Farm Annual Energy Production
**C2-19**: Decision Support Using FAST Aero-elastic Models of Operating Wind Turbines

**C3-19**: Modeling of Power Losses due to Leading Edge Erosion

**D1-19**: Development of a Computational Tool to Maximize Wind Farm AEP by Yaw Angle Optimization

**X1-20**: Proposed Project 1

**X2-20**: Proposed Project 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>02:30PM – 03:30PM</td>
<td><strong>Member Company Presentations (TBD)</strong></td>
</tr>
<tr>
<td>03:30PM – 03:50PM</td>
<td><strong>Break</strong> (DGA 1.102B)</td>
</tr>
<tr>
<td>03:50PM – 04:20PM</td>
<td><strong>Discussion of WindSTAR Research Roadmap</strong></td>
</tr>
<tr>
<td></td>
<td>Dr. Christopher Niezrecki, WindSTAR Director</td>
</tr>
<tr>
<td></td>
<td>Dr. Mario Rotea, WindSTAR Site Director</td>
</tr>
<tr>
<td>04:20PM – 04:30PM</td>
<td><strong>Recap &amp; Evening Preview</strong></td>
</tr>
<tr>
<td></td>
<td>Dr. Mario Rotea, Review of Evening and Day 2 Activities</td>
</tr>
<tr>
<td>04:30PM – 05:00PM</td>
<td><strong>Parallel Session: Center Operations Discussion (Members only)</strong></td>
</tr>
<tr>
<td></td>
<td>Mr. Patrick Drane, Assistant Director for Operations</td>
</tr>
<tr>
<td></td>
<td><strong>NEW TOPICS</strong>, summer meeting dates</td>
</tr>
<tr>
<td>04:30PM – 05:00PM</td>
<td><strong>Parallel Session: IAB Information Session</strong></td>
</tr>
<tr>
<td></td>
<td>Dr. Christopher Niezrecki, WindSTAR Director</td>
</tr>
<tr>
<td></td>
<td>Dr. Mario Rotea, WindSTAR Site Director</td>
</tr>
<tr>
<td></td>
<td>Dr. Don Davis, NSF Program Office</td>
</tr>
<tr>
<td>05:30PM – 06:00PM</td>
<td><strong>Poster Session</strong> (DGA 1.102B)</td>
</tr>
<tr>
<td>06:00PM – 08:00PM</td>
<td><strong>Dinner &amp; Keynote Speaker, TBA</strong> (DGA 1.102B)</td>
</tr>
</tbody>
</table>
WindSTAR Industrial Advisory Board Meeting

Agenda

February 3 and 4, 2020

DGA 1.128

Day 2: Tuesday, February 4

07:30AM – 08:00AM  Arrival, Continental Breakfast, Networking (DGA 1.128)
08:00AM – 09:30AM  L.I.F.E. Form Review and Discussion
09:30AM – 10:45AM  Closed Door IAB Meeting
09:30AM – 10:45AM  WindSTAR Faculty meeting (Location TBD)
10:45AM – 11:00AM  Break
11:00AM – 11:30AM  IAB Report Out, Discussion
11:30AM – 11:45AM  Action Items and Plan for Summer Meeting
11:45AM – 12:00PM  Summary and Closing Remarks
                    Dr. Christopher Niezrecki, WindSTAR Director
                    Dr. Mario Rotea, WindSTAR Site Director
12:00PM            Adjourn Meeting (To Go Lunch Boxes)