Monday - April 17, 2006

6:00pm-7:30pm Early Registration

Tuesday - April 18, 2006

7:30am	Registration & Continental Breakfast
Overviews	20年 18日本後世界中代共享開発公司
8:15am	Tom Ashwill (SNL) –Recent Trends & Activities in Turbines and Blades
8:40am	Daniel Laird (SNL) - Blade Research at SNL
9:00am	Maureen Hand (NREL) — Cost Prediction Tool for Onshore and Offshore Turbines

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9:15am Dennis Roach (SNL) - Health Monitoring Techniques -

Experience in Aviation

9:45am **Break

Effects of Aerodynamics on Blade Design

10:05am	Helge Aagaard Madsen (Risce) - An Investigation of Inboard Rotor/blade Aerodynamics and Its Influence on Blade Design
10:35am	Stefan Herr (GE) - Aerodynamic Study
11:05am	Scott Schreck (NREL) – Turbine Flow Fields and Implications for Aerodynamic Control

Active Devices, Flow Control and Blade Sensing

11:35am	Jose Zayas (SNL) – Active Control Devices for Wind Turbine Blades
12:05pm	**J_unch
1:00pm	Case Van Dam (UC Davis) – Approaches for Performance Predictions of Blades with Embedded Actuators Using CFD
1:30pm	Lou Cattafesta (University of Florida) – Potential for Flow Control in Wind Turbines

2:00pm Jason Kiddy (SPA) – Application of Fiber Optics to a Research

Blade

2:30pm Peter Bjoern Andersen (Risæ) - Load Alleviation on Wind Turbine Blades Using Trailing Edge Flaps

3:00pm **Break

Blade Developments from the SBIR Program

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3:20pm	Mansour Mohamed (3Tex) $-$ 3D Woven Spar Cap and 9m Blade Development	
3:50pm	Dayton Griffin (GEC) – Demonstration of an Infused Carbon Fiber Spar in MW-Scale Blade	
4:20pm	Kyle Wetzel (Wetzel Engineering, Inc.) – Fabrication and Testing of 3m Carbon Blades	

Offshore

4:50pm Walt Musial (NREL) - Offshore Blade Technology Issues

5:20pm Announcements and Adjournment

Dinner on Your Own

Wednesday - April 19, 2006

7:30am	Late Registration & Continental Breakfast
Commerci	al Blade Developments
8:00am	Gary Kanaby (Knight & Carver) - Swept 28-m Blade Design and Fabrication
8:30am	Mark West (GE) – Blade Manufacturing at GE
9:00am	Claus Burchardt (SWP) — Blade Manufacturing at Siemens Wind Power A/S
9:30am	Derek Berry (IPI) – Blade Manufacturing and Materials Developments
10:00am	**Break
Concept E	Valuation Using Subscale Blades
10:20am	Josh Paquette (SNL) – Lab Testing of SNL Subscale 9m Blades
Materials :	and Manufacturing Research
10:50am	John Mandell (MSU) – Materials Testing: Thickness Tapering

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11.20am	David Hartman (Owens Corning) Advances in Material

11:20am	David Hartman (Owens-Corning) - Advances in Ma Technology	
11:50am	**Lunch	
1:00 pm	Doug Cairns (MSU) - Carbon Fiber Manufacturing Review	

1:30pm	Cliff Eberle (ORNL) – Research to Lower the Cost of Carbon Fibers
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and Current Status

2:00pm	Paul Veers (SNL) - General Discussion including 'Future	
	Research Needs"	

Visit to AANC (Airworthiness Assurance NDI Validation Center) for Those Who Are Interested		
2:30pm	Drive to AANC Facility (Map in Packet)	

3:00pm	Tour AANC Facility
4:00pm	Adjourn Workshop