Monday - April 17, 2006

6:00pm-7:30pm Early Registration

Tuesday - April 18, 2006

7:30am	Registration & Continental Breakfast
Overviews	· · · · · · · · · · · · · · · · · · ·
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

Inspection

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

Experience in Aviation

and Offshore Turbines

9:45am Break

Effects of Aerodynamics on Blade Design

Helge Aagaard Madsen (Risce) - An Investigation of Inboard 10:05am Rotor/blade Aerodynamics and Its Influence on Blade Design

*Stefan Herr (GE) - Aerodynamic Study 10:35am

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

*Case Van Dam (UC Davis) - Approaches for Performance 1:00pm Predictions of Blades with Embedded Actuators Using CFD

*Lou Cattafesta (University of Florida) – Potential for Flow 1:30pm

Control in Wind Turbines

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

Blade

*Peter Bjoern Andersen (Risæ) - Load Alleviation on Wind 2:30pm

Turbine Blades Using Trailing Edge Flaps

3:00pm Break

Blade Developments from the SBIR Program

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

Kyle Wetzel (Wetzel Engineering, Inc.) - Fabrication and 4:20pm

Testing of 3m Carbon Blades

Offshore

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

5:20pm Announcements and Adjournment

Dinner on Your Own

Wednesday - April 19, 2006

Late Registration & Continental Breakfast 7:30am

Commercial Blade Developments

Gary Kanaby (Knight & Carver) - Swept 28-m Blade Design 8:00am

and Fabrication

Mark West (GE) - Blade Manufacturing at GE 8:30am

*Claus Burchardt (SWP) – Blade Manufacturing at Siemens 9:00am

Wind Power A/S

*Derek Berry (TPI) – Blade Manufacturing and Materials 9:30am

Developments

10:00am Break

Concept Evaluation Using Subscale Blades

* Josh Paquette (SNL) - Lab Testing of SNL Subscale 9m 10:20am

Materials and Manufacturing Research

10:50am John Mandell (MSU) - Materials Testing: Thickness Tapering

and Transitions

*David Hartman (Owens-Corning) - Advances in Material 11:20am

Technology

11:50am Lunch

1:00 pm Doug Cairns (MSU) - Carbon Fiber Manufacturing Review

and Current Status

Cliff Eberle (ORNL) - Research to Lower the Cost of Carbon 1:30pm

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

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

* Presentations Also Available with Embeded Video

Stefan Herr (2,955KB)

Case van Dam (49,077KB)

Lou Cattafesta (10,321KB)

Peter Bjoern Andersen (148,633KB)

Kyle Wetzel (12,864KB)

Mark West (2,572KB)

Claus Burchardt (25,588KB)

Derek Berry (6,291KB)

Josh Paquette (52,669KB)

David Hartman (14,850KB)