



TEXAS TECH UNIVERSITY

Wind Science and Engineering Research Center™

Bi-Weekly Newsletter: Faculty, Staff, and Ph.D. Student Updates

TTU Hosts International Wind Farm Performance Symposium



(Above) - WiSE was well represented at the symposium. Left to right: Dr. John Schroeder, WiSE Director, Jerry Guynes, WiSE Research Associate, Dr. Brian Hirth, WiSE Research Associate, ATMO Ph.D. student Scott Gunter and WiSE Ph.D. student, Rich Krupar III.

Texas Tech recently hosted an international symposium focused on improving wind farm performance and developing collaborations between industry, academia, and national laboratories.

More than 120 people attended the symposium. “We are thankful to the participants who took time from their busy schedules to attend this important event,” said Dr. John Schroeder, WiSE Director. “We look forward to growing collaborations across the wind energy community to meet the challenges.”

Attendees represented a wide variety of industry, academia, and the national laboratories including NREL, Sandia National Labs, Alstom, NCAR, GE Energy, Group NIRE and numerous academic institutions from across the globe.

The symposium was presented by the National Wind Resource Center (NWRC), WiSE and the National Institute for Renewable Energy (Group NIRE).

Thanks to all who were involved.

ATMO and WiSE Faculty Affiliate Awarded NSF CAREER Grant

Dr. Brian Ancell, Assistant Professor in ATMO and WiSE faculty affiliate, will be the recipient of a 5-year NSF CAREER grant entitled “CAREER: Quantifying Inadvertent Weather Modification and Education Through Museum Programs.”

The project will focus on examining the effects that human activities (such as urban development, agricultural practices, and wind/solar power development) have on high-impact weather events on a variety of scales. Estimating how these effects are anticipated to evolve over the next century is also a goal of this work.

The project includes a major education component in collaboration with the Museum of Texas Tech University that will employ a museum exhibit, travelling educational trunks for local schools, and summer science camps.



(Above) - Dr. Brian Ancell, Asst. Professor in ATMO

Congratulations!

WiSE Ph.D. Students Travel to NREL Software Tools Workshop



(Above) WiSE Ph.D. student Rachit Mathur poses by the entrance to the NREL campus in Colorado recently.

WiSE was well represented at the recent National Renewable Energy Laboratory (NREL) workshop for computer-aided engineering (CAE) software tools at Golden, Colorado.

This one-day workshop focused on the three NREL software tools and was an opportunity for WiSE students to network with both NREL and other professionals.

There were only 50 registrations available worldwide, and WiSE had three students in attendance: Anant Jain, Rachit Mathur and Everett Perry.

Good job!



WiSE faculty affiliates made their television appearances on the national show, NOVA, which is shown on PBS stations nationwide. The program looked at the 2011 tornado season, the worst in decades and which killed 550 people. In this NOVA special, viewers met the scientists striving to understand the basic forces at work behind this high wind events. Experts included Dr. Darryl James, Professor in ME and WiSE Faculty affiliate), Mr. Larry Tanner (WiSE Research Associate), Dr. Chris Weiss of ATMO, and others.

NOVA has built a fairly extensive website about this program and the topic of tornadoes, so check it out: <http://www.pbs.org/wgbh/nova/earth/deadliest-tornadoes.html>

Save the Date: McDonald-Mehta Lecture Series #3: Dr. William Devenport

Dr. William Devenport

Professor and Director of the Stability
Wind Tunnel, Dept. of Aerospace and
Ocean Engineering at Virginia Tech

**Wednesday, April 21st
3:30pm**

**Electrical Engineering Room 217
TTU Lubbock campus**

*Title: Wind Tunnel Testing of Wind
Turbine Blade Sections.*



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