



TEXAS TECH UNIVERSITY

Wind Science and Engineering Research Center™

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

SWiFT Project Making Progress...

Progress is taking place in the preparation for the commissioning of the SWiFT facility, a new research project involving TTU with collaborative partners from Sandia National Laboratories, Vestas, and Group NIRE.

The SWiFT facility will allow participating partners to investigate turbine-to-turbine interactions and innovative rotor technologies. Other areas for research include aero-acoustics, and structural health monitoring of turbines using embedded sensors.

The site will start with two V27 turbines deployed by Sandia National Laboratories, and a third belong to Vestas, a leading wind manufacturer.



(Above) - Turbine blades await ready for the research hanger to be completed.

(L and below) - Turbine parts are being delivered to Reese's SWiFT facility in readiness for further research.



WiSE Wednesday Lecture Series Continues



The Fall 2012 WiSE Wednesday Lecture Series is ongoing with a long list of researchers presenting their work, both as faculty and students. One of the latest presentations was from ATMO Assistant Professor and WiSE affiliate faculty Dr. Brian Ancell (pictured left) who presented an update on his research.

Associate Director of WiSE, Anna Thomas Young, also presented an update on the SWiFT project that is underway preparing for commission later this year. (For more info on SWiFT, please check the article on the front page and ongoing updates on both the TTU WiSE website and Facebook.)

Mesonet System Adds New Addition...



The West Texas Mesonet has finished construction of its 69th station located 11 miles west-northwest of Bootleg in the Texas Panhandle (far western Deaf Smith County).

Special thanks to the National Weather Service (NWS) in both Amarillo and Lubbock for helping to build the station. Real-time data are available on the Mesonet webpage and various government and university feeds.

(L-R): Andrew Moulton (NWS Amarillo), Todd Lindley (NWS Amarillo), Wes Burgett (WiSE), and Charles Aldrich (NWS Lubbock). Taking the picture was John Lipe (NWS Lubbock).

WiSE Research in the Spotlight



Karen Tarara (above), a graduate interdisciplinary degree student studying under WiSE faculty affiliate Dr. Darryl James, spent time demonstrating the VORTECH facility to a local ad agency's creative team as part of an ongoing effort to promote Lubbock and the region.

Thanks to everyone who was involved for making this a success.

Community Class Visits WiSE



WiSE recently hosted a detailed tour of its research facilities for a group from TTU's Osher Life-Long Learning Institute.

The extensive tour included a trip out to the field site where participants were informed about the numerous projects that are ongoing with WiSE and its hard-working researchers and students.

Many thanks to all who were involved with this tour.

