



TEXAS TECH UNIVERSITY™

The Wind Science and Engineering Research Center (WISE) at Texas Tech University has a 40-year history of multi-disciplinary research and education in wind science and wind engineering, and maintains a national and international reputation for expertise in wind-related research.

The WISE Center was established in 1970, following a tornado in Lubbock that caused 26 fatalities and more than \$100 million in damages.

Since that time, WISE has evolved into a center with 37 faculty affiliates from 10 different academic departments and employs thirteen professional staff with offices on the main campus and at the Reese Technology Center.

The WISE Center focuses on multidisciplinary research to mitigate the deleterious effects of windstorms on the built environment, people and their quality of life, and how to utilize the beneficial effects of the wind (e.g. wind energy).

The Center's educational focus includes the first Ph.D. program in Wind Science and Engineering in the nation, two Master's Certificates in Wind Energy, a Bachelor of Science degree in Wind Energy, and other development opportunities to produce a vibrant workforce for the wind industry now and for the future.

From here, it's possible.

P.O. Box 41023
Lubbock, Texas 79409-1023
www.wind.ttu.edu



TEXAS TECH UNIVERSITY
Wind Science and Engineering
Research Center



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The McDonald-Mehta Lecture Series 2012



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Texas Tech University
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The McDonald-Mehta Lecture Series is named after and funded with the endowment of Dr. Kishor C. Mehta and Dr. James R. McDonald, founding faculty members of the Wind Science and Engineering Research Center (WISE) at Texas Tech. The lecture series invites nationally-known scientists and experts in wind-related industries to speak about ongoing research around the world.

Dr. McDonald is a former Professor and Chairman of the department of Civil and Environmental Engineering at Texas Tech. He specialized in research related to tornado hazards, windborne debris, and the design of buildings and structures to resist extreme windstorms. He has conducted over 30 years worth of on-site damage documentation and more than a dozen on-site damage documentation studies with the late Dr. Ted Fujita.

Dr. Mehta is a P.W. Horn Professor of Civil and Environmental Engineering and the former Director of the WISE Center. He is a member of the National Academy of Engineers, and currently serves as Program Director of Hazard Mitigation and Structural Engineering for the National Science Foundation. He has served as Chairman of the ASCE 7 Task Committee on Wind Loads, past Chairman of the National Research Council Committee on Natural Disasters, and is a past-President of the International Association for Wind Engineering.



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The McDonald-Mehta Lecture Series:

February 29, 2012

Dr. Lance Manuel

Professor and
Flour Centennial Teaching
Fellow in Engineering,
The University of
Texas at Austin.



*Research Directions and
Design Practice in
Modeling Loads on
Wind Turbines*

March 21, 2012

Dr. Partha Sarkar

Professor and Director of
Wind Simulation and
Testing Laboratory,
Iowa State University.
President, AAWE.



*Simulation of Transient
Winds and Their Effects
on Civil Structures*

April 18, 2012

Dr. William Devenport

Professor and Assistant
Department Head for
Laboratory Facilities and
Director of the Stability
Wind Tunnel,
Virginia Tech.



*Wind Tunnel Testing of
Wind Turbine Blade
Sections*

All lectures take place at 3 :30 p.m. in room 217 of the Electrical Engineering building.