



# NAWEA 2013 Symposium Boulder, CO

NORTH AMERICAN WIND ENERGY ACADEMY

## Session Speaker

Lance Manuel, University of Texas

*Analysis of the Evolving Environment and Loads on an Offshore Wind Turbine during a Simulated Hurricane*



Lance Manuel is a Professor and the Fluor Centennial Teaching Fellow in Engineering at the University of Texas at Austin, where he has served on the faculty since 1999. He has a bachelor's degree from IIT Bombay and a Ph.D. from Stanford University. His research group's work on wind turbine inflow characterization and loads simulation has been recognized with four Best Paper awards in 2001, 2006, 2008, and 2011 from ASME's Journal of Solar Energy Engineering and Journal of Offshore Mechanics and Arctic Engineering. His research has been supported by the U.S. DOE, the Texas Higher Education Coordinating Board, and NSF (including a CAREER award). He has served on two important National Research Council studies—one concerned with the environmental impacts of wind energy projects and the other with issues surrounding the structural integrity of offshore wind turbines. He has published more 30 journal articles and 90 refereed conference papers.