

January SAMPE, ASM, and ASME Meeting

Thursday, January 29

PLACE: Chef Jim White's Café, 4801 Alameda N.E. (NW Corner of Alameda & Jefferson) Albuquerque, N.M. 87113; Phone: 250-7192

TIME: 6:00 pm social time, 6:30 pm dinner, 7:30 pm speaker

Title: Wind Energy 2009 and Beyond: Commercial Power Production & Technology Research at Sandia National Laboratories



SPEAKER: Tom Ashwill is a Registered Professional Engineer in the State of New Mexico and a Distinguished Member of the Technical Staff at Sandia National Laboratories (SNL). He received his Master's in Civil Engineering from UNM in 1976. Tom has worked at SNL for over 27 years, 24 of which have been in the Wind Energy Technology Department. Research areas include Vertical Axis Wind Turbines, composite materials, blade manufacturing, structural dynamics, aeroelastic tailoring, and fatigue. He currently serves as a Project Manager for several projects that are developing innovations to produce lighter and stronger blades for very large turbines.

Abstract: Wind power as a source of utility grade power has grown exponentially over the past several years. Over 1 percent of the U.S. power requirements are now supplied by wind energy and DOE has laid out a future scenario to increase this to 20% by 2030. One of DOE's missions is to help meet America's increasing energy needs while protecting the Nation's energy security and environment. To support this mission, Sandia Labs conducts applied wind energy research aimed at increasing the viability of wind technology by improving turbine performance and reliability and reducing the cost of energy. Tom will provide an overview of the current state of the wind industry and give examples of recent research results.

COST: Cost is \$20 per person

MENU: Chips and Salsa, Ice Tea and Lemonade followed by a Dinner Buffet, Caesar Salad, Garlic Bread, Vegetarian Lasagna, Sausage Lasagna, Cinnamon Bun Bread Pudding, Coffee and Ice Tea; no alcohol beverages will be available.

Please contact Merry Tidwell at (505) 845-1376 (voice mail) or mtidwel@sandia.gov to make your reservations. Reservations must be made no later than 10 am on Tuesday, January 27. We look forward to seeing you there.