

ASME South Texas Meeting

Thursday, May 16th, 2019

Program: "Data Analysis & Predictive Maintenance for Wind Turbines"

Speaker: Simon Bao, Fleet Analysis Regional Lead at E.ON Climate & Renewables

This presentation will be an overview of the Renewable Energy Industry with emphasis on wind turbines. After looking at wind turbines from a high level, the presentation will focus on data analysis of the turbines and the methods of monitoring and performance evaluation. Simon will then discuss predictive maintenance of wind turbines and how the data would dictate the schedule.

Simon Bao holds M.Sc. of Manufacturing Engineering from Missouri University of Science and Technology and B.S. of Mechanical Engineering/Business Administration from Tianjin University at China. He has been working in oil & gas and renewable energy industry, focused on mechanical engineering design and analysis. As a certified vibration analyst (CAT IV), Simon had led projects of conducting advanced fault/condition analysis and solving chronic mechanical problems both on-site and remotely. Simon is leading a team to conduct condition monitoring/predictive maintenance and evaluate performance of wind turbines through data analysis.

Reservations: <https://www.brownpapertickets.com/event/4226764>

Location: [The Forest Club 9950 Memorial Drive](#) (near Chimney Rock)

Directions: From I-10, exit at Wirt / Chimney Rock turning south onto Chimney Rock. The first stop light is the intersection with Memorial. Turn left and travel two blocks east to the picket fences on the left. Turn left onto Saddlebrook and the Forest Club will be on your right.

Times: 5:30 p.m. to 6:15 p.m. Social Hour
6:15 p.m. to 8:30 p.m. Dinner Buffet and Program

Cost: \$35 Regular Reservation
\$50 at the door
Students Only \$15

ASME meetings are open to all. Membership is encouraged but not required to attend. Professional Development Hour (PDH) certificates will be available to participants at the conclusion of the event.