

SciTech 2023 | Wind Energy

Additional Information

Wind Energy Best Paper Award

The Wind Energy Technical Committee will consider papers submitted to the Wind Energy Symposium for the Best Paper Award. The Best Paper Award will be selected based on the quality, originality, and relevance of the presentation and the written paper. Please address any questions to the Technical Chair.

Joint Sessions

The Wind Energy Technical Committee will be sponsoring three joint sessions with other related technical disciplines.

- A joint session with [Non-Deterministic Approaches \(NDA\)](#), entitled “Uncertainty Analysis Advancements for Wind Energy Applications,” will showcase recent progress in uncertainty quantification.
- A joint session with [Aerodynamic Measurement Technology \(AMT\)](#), entitled “Instrumentation and Measurement Techniques for Challenging Environments and Test Facilities”, will cover common instrumentation challenges for both surface and flow-field measurements among rotorcraft, turbomachinery, fixed wing, and wind energy applications. Papers addressing atmospheric/aerodynamic/structural instrumentation that overcomes such challenges are encouraged in this session.
- A joint session with [Applied Aerodynamics \(APA\)](#), entitled “Wind Turbine/Rotorcraft/Propeller Multi-Physics Modeling Approaches”, will highlight the related physics and modeling approaches between the rotorcraft, propeller, and wind energy research communities. Individuals with rotary-wing aerodynamics, aeroelasticity, and structural dynamics experience are strongly encouraged to submit to this session. Papers focused on laminar to turbulent transition modeling or experiments are also encouraged to apply to this session.
- A joint session with [Structural Dynamics \(SD\)](#), entitled “Aeroelastic Problems of Large Wind-turbines (Joint SD / WE)” to explore synergies between SD and WE communities.

Technical Chairs

Brent Houchens

brent.houchens@sandia.gov

Sandia National Laboratories

PJ Stanley

pj.stanley@nrel.gov

National Renewable Energy Laboratory