

Short Bio: Prof. William Devenport

William Devenport is a Professor of Aerospace and Ocean Engineering at Virginia Tech. He serves as Director of the Virginia Tech Stability Wind Tunnel and Director of the Center for Renewable Energy and Aerodynamic Technology. His research is in experimental aerodynamics and flow acoustics, with contributions in areas such as roughness noise and control, turbulence ingestion noise, rotor aeroacoustics, leading and trailing edge noise and control, tip vortex and tip leakage vortex wakes and high Reynolds number rough wall boundary layers. In particular, he spearheaded the invention of the hybrid aeroacoustic wind tunnel, an innovation that has been adopted at facilities in the US, Japan, China, and Denmark. He leads an active and diverse research group (currently including 4 undergraduate researchers, 5 PhD students and 3 research faculty). His over 200 refereed publications include articles in the Journal of Fluid Mechanics, AIAA Journal, Journal of Sound and Vibration, Annual Reviews of Fluid Mechanics as well as a textbook on aeroacoustics, co-authored with Stewart Glegg.