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NORTH AMERICAN WIND ENERGY ACADEMY

Session Speaker

Eric Paterson, Virginia Tech

Understanding the Aerodynamics and Aeroacoustics of Wind Turbine Blades



Dr. Eric G. Paterson is professor and department head of Aerospace and Ocean Engineering at Virginia Polytechnic Institute and State University. Previous to joining Virginia Tech, he held positions at Penn State as Senior Scientist at the Applied Research Laboratory and Professor of Mechanical Engineering. As an expert in computational fluid dynamics (CFD), Paterson has conducted research in the broad fields of ship hydrodynamics, wind and marine energy, conventional hydropower, bio-inspired trace detection, and hemodynamics of cardio-vascular assist devices. He has secured more than \$18 million in external funding as principal investigator or co-principal investigator from federal agencies and from industry, and he has published over 130 peer-reviewed journal papers, reports, and conference papers. Paterson received his bachelor's, master's, and doctoral degrees from The University of Iowa.