



NAWEA 2013 Symposium Boulder, CO

NORTH AMERICAN WIND ENERGY ACADEMY

Session Speaker

Jacob Aho, University of Colorado Boulder

Controlling Wind Turbines for Ancillary Services: An Analysis of Capabilities and Trade-offs



Jacob Aho is a doctoral student in the Electrical, Computer, and Energy Engineering Department of the University of Colorado Boulder under the guidance of Professor Lucy Pao. He earned his B.S. and M.S. degrees in Electrical Engineering at the University of New Hampshire. Jacob's research focus is on control systems and wind energy, particularly control systems for providing active power control and reducing damaging loads on turbine components. The goal of his research is to analyze the optimal participation of wind energy in regulating grid frequency. In the future, Jacob is interested in continuing to learn more about the intersection of energy technology, policy, and business in efforts to perform research that considers relevant factors from each of these aspects.

Jacob was born and raised in New Hampshire and enjoys many outdoor activities, such as hiking, camping, and hunting. Jacob also enjoys many sports, riding his motorcycle, and photography.