



# NAWEA 2013 Symposium Boulder, CO

NORTH AMERICAN WIND ENERGY ACADEMY

## Session Speaker

Eric Simley, University of Colorado Boulder

*Design and Evaluation of a Wind Speed Estimator for Hub Height and Shear Components*



Eric Simley is a doctoral candidate in the Electrical, Computer, and Energy Engineering Department of the University of Colorado Boulder studying under the supervision of Prof. Lucy Pao. He earned his B.S. and M.S. degrees in Electrical Engineering in 2010, also from the University of Colorado Boulder. Eric's research focus is on feedforward control of wind turbines for load reduction using Light Detection and Ranging (lidar) preview measurements of wind speed. Specifically, he is studying how accurately lidar can measure the wind that will interact with a turbine. For his Master's research, he developed an acoustic array for locating aeroacoustic noise sources on wind turbine blades in cooperation with NREL. Beginning in September, Eric will spend 10 months working on lidar research at DTU Wind Energy in Denmark as a Fulbright fellow. In his free time, Eric can be found hiking or skiing in the mountains of Colorado..