



**Kathryn Johnson, National Wind Technology Center at National Renewable Energy Laboratory (NREL) and Associate Professor, Department of Electrical Engineering, Colorado School of Mines**

Kathryn Johnson is jointly appointed at the National Renewable Energy Laboratory's National Wind Technology Center and the Colorado School of Mines, where she is an Associate Professor in the Department of Electrical Engineering. She received the B.S. degree in electrical engineering from Clarkson University and the M.S. and Ph.D. degrees in electrical engineering from the University of Colorado. She completed a postdoctoral research assignment at the National Renewable Energy Laboratory's National Wind

Technology Center prior to joining the Colorado School of Mines.

Dr. Johnson conducts research in two areas: control systems and control applications, especially applied to wind energy, and engineering education. Some of her wind energy control projects include controlling the wake to increase the energy capture of wind farms using coordinated turbine control, control of a 50-MW segmented ultralight morphing rotor wind turbine, LIDAR-based feed forward control strategies for load reduction and energy capture improvements on wind turbines, and research in wind turbine fault detection and fault-tolerant control.