

# Dustin D Brisset

3230 Bishop St. Apt. 1  
Cincinnati OH, 45220  
440.520.5305  
brisredd@mail.uc.edu

## EDUCATION

**MS** • Mechanical Engineering • 3.4  
University of Cincinnati: Cincinnati, Ohio • 2012

**BS** • Mechanical Engineering • 3.3  
University of Cincinnati: Cincinnati, Ohio • 2011

## EXPERIENCE

**Reliability Engineer Co-op** • Duke Energy Renewables • 2009-2012  
Condition based monitoring for wind, solar and cogeneration assets.  
Performance assessment, vibration monitoring, thermography, root cause analysis, data-mining, and early O&M budget development.

**Manufacturing Engineer Co-op** • Ariel Corporation • 2008-2009  
Implemented a new manufacturing process.  
Mechanical design; sourcing and purchasing; writing safety, work instruction, and ISO documentation; operator training; and other process improvements.

**Researcher** • NSF I/UCRC for Intelligent Maintenance Systems • 2010-2012  
Wind Turbine Performance Assessment and Degradation Monitoring.

## PUBLICATIONS

Lapira E., **Brisset, D.**, Davari, H., Siegel, D. and Lee, J. "Wind turbine performance assessment using multi-regime modeling approach," the International Journal of Renewable Energy, vol. 45, pp. 86-95, 2012

Lapira, E., Siegel, D., Zhao, W., **Brisset, D.**, Su, J., Wang, C., Abuali, M. and Lee, J., "A Systematic Framework for Wind Turbine Health Assessment under Dynamic Operating Conditions," 24th International Congress on Condition Monitoring and Diagnostics Engineering Management (COMADEM), 2011

## CERTIFICATIONS AND AWARDS

**Registered Engineer Intern** • State of Ohio Professional Engineers and Surveyors Board • 2011

**Rising Star Award** • ASHRAE Student Design Competition • 2011

## PROFESSIONAL ASSOCIATIONS

American Society of Heating Refrigerating & Air Conditioning Engineers • 2011  
Tau Kappa Epsilon • Vice President and Treasurer • 2006-2011  
American Society of Mechanical Engineers • 2006-2012