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Education:

B.S. Biosystems and Agricultural Engineering, May 2005. University of Kentucky, Lexington, KY
M.S. Biosystems and Agricultural Engineering, August 2007. University of Kentucky, Lexington, KY
MBA. Gatton College of Business, May 2012, University of Kentucky, Lexington, KY

Work Experience:

2013 – Present. Assistant Director for Facilities and Operations, Center for Applied Energy Research
2011 – 2013. Engineer Associate Program Manager I, Center for Applied Energy Research
2007 – 2011. Engineer Associate II/Research, Center for Applied Energy Research
2005 – 2007. Graduate Research Assistant, University of Kentucky, Department of Biosystems and Agricultural Engineering

Research Interests/Experience:

Facilities management, program manager of over \$30M in construction projects including a LEED Gold laboratory facility, energy efficiency in new construction and existing buildings.

Awards and Distinctions:

New Face of Engineering, National Engineers Week, 2010; Alpha Epsilon; Gamma Sigma Delta; Beta Gamma Sigma

Publications/Presentations:

Ji, Y.; Easterling, V.; Fisk, C.; Crocker, M.; Choi, J.-S., "Effect of Aging on the NO_x Storage and Regeneration Characteristics of Fully Formulated Lean NO_x Trap Catalysts". 6th International Conference on Environmental Catalysis, September 12-15, Beijing, China, 2010

Ji, Y.; Easterling, V.; Fisk, C.; Crocker, M.; Choi, J.S., "Effect of ceria on the aging characteristics of fully formulated lean NO_x trap catalysts". Tri-State Catalysis Society Spring Symposium, April 26, Covington, KY, 2010

Ji, Y.; Easterling, V.; Fisk, C.; Graham, U.; Crocker, M.; Choi, J.-S., "Effect of Ceria on the Aging Characteristics of Fully Formulated Lean NO_x Trap Catalysts". 2010 DOE Crosscut Workshop on Lean Emissions Reduction Simulation, April 20-22, Dearborn, MI, 2010

Ji, Y.; Fisk, C.; Easterling, V.; Graham, U.; Poole, A.; Crocker, M.; Choi, J.-S.; Partridge, W.; Wilson, K., "NO_x storage-reduction characteristics of Ba-based lean NO_x trap catalysts subjected to simulated road aging". *Catalysis Today*, 151, 362-375, 2010

Morton, S.A.; Fisk, C.A., "A Techno-Economic Analysis of Carbon Dioxide Bio-mitigation Using Microalgae". 2010 Annual International Meeting for the American Society of Agricultural and Biological Engineers, June 20-23, Pittsburgh, PA, 2010

Wilson, M.; Fisk, C.A.; Groppo, J.; Morton, S.; Antonson, E.; Crocker, M.; Andrews, R.; Crofcheck, C.; Montross, M., "Development of an Algae-Based System for CO₂ Mitigation from Coal-Fired Power Plants". 2010 Annual International Meeting for the American Society of Agricultural and Biological Engineers, June 20-23, Pittsburgh, PA, 2010

Fisk, C.A.; Morgan, T.; Ji, Y.; Crocker, M.; Crofcheck, C.; Lewis, S.A. "Bio-oil upgrading over platinum catalysts using in situ generated hydrogen," *Applied Catalysis A: General*, 358, 150-156, 2009.

Fisk, C.A.; Morgan, T.; Crocker, M.; Crofcheck, C.; Lewis, S.A. "Bio-oil upgrading using platinum catalysts," 5th International Conference on Environmental Catalysis, Aug. 31 - Sept. 3, Belfast, Northern Ireland, 2008.

Fisk, C., C. Crofcheck, M. Crocker, J.M. Storey, S. Lewis. 2007 A Catalytic Approach to Bio-Oil Upgrading. Annual Institute of Biological Engineering Meeting in St. Louis, MO, March 2007.

Fisk, C., C. Crofcheck, M. Crocker, S. Lewis, J. Storey. 2006. Novel Catalytic Approaches for Bio-Oil Upgrading. ASABE Annual International Meeting in Portland, OR, July 2006. ASABE Paper No. 066035.

Fisk, C., C. Crofcheck, M. Crocker, S. Lewis, J. Storey. 2006. Novel Catalytic Approaches for Bio-Oil Upgrading. Annual Institute of Biological Engineering Meeting in Tucson, AZ, March 2006.

Fisk, C., C. Crofcheck, M. Crocker, S. Lewis, J. Storey. 2007. A Catalytic Approach to Bio-Oil Upgrading. ASABE Annual International Meeting in Minneapolis, MN July 2007. ASABE Paper No. 076144.

Professional Memberships:

American Society of Agricultural and Biological Engineers, Alpha Epsilon, Gamma Sigma Delta, Beta Gamma Sigma