

*Duke Energy invites you to...*

## Motor Management and Drives Workshop

September 19, 2017 - Cincinnati, OH

### Overview

Electric motors consume over 50% of all electricity generated in the United States. Reducing energy cost while improving process reliability can be simple with improved motor management practices. Our educational workshops and training classes are tailored to your needs, combining classroom instruction and hands-on activities. In this class we will cover motor applications and demonstrate, variable frequency drives, motor protection, and the economics of the most critical equipment employed by businesses today.

#### Ohio Center for Industrial Energy Efficiency



Our one-day workshop is tailored for a variety of audiences interested in achieving energy savings and reliability improvements with motor driven systems. Our audiences include motor end-users, trade associations, utility account representatives and a host of individuals all along the motor supply chain.

### Instructor

**Dr. Emmanuel Agamloh**

As the Principal Consultant and Technical Lead for the Motor and Drives Team, Emmanuel Agamloh Ph.D., focuses on developing and performing consulting services for original equipment manufacturer clients, utilities, manufacturers, inventors and industrial clients. Dr. Agamloh presents technical papers on various topics relating to motor efficiency and reliability and serves on technical committees that develop standards relating to motor application, testing and energy efficiency regulations.

## Agenda

Time	Topic
8:30 – 9:00 am	Registration and Complimentary Breakfast
9:00 – 9:15	Introductions, Agenda Review
9:15 – 10:15	Basic Motor Principles and Applications <ul style="list-style-type: none"><li>• Motor basics</li><li>• Motor applications</li></ul>
10:15 – 10:30	Break
10:30 – 12:00	Basic Drive Principles and Applications <ul style="list-style-type: none"><li>• Variable Frequency Drive applications</li><li>• Practical Demonstration: Fan law</li></ul>
12:00 – 1:00pm	Lunch
1:00 – 2:00pm	Motor Protection <ul style="list-style-type: none"><li>• Single Phase Protection</li><li>• Practical Demonstration: Single Phase Protection</li></ul>
2:00 – 4:00	Motor Management and Economics <ul style="list-style-type: none"><li>• Motor management</li><li>• Motor economics Tools</li><li>• Motor Survey</li></ul>
4:00 pm	Pass out Surveys for PDH credits and Adjourn

## Location

TechSolve  
6705 Steger Drive  
Cincinnati, OH 45237

## Registration and Additional Information

Registration is restricted to those companies that have “opted-in” to Duke Energy’s Energy Efficiency Rider Program. Check with your Account Executive for registration information.