

***SEMINAR ANNOUNCEMENT***

**Thomas Coffey, PhD  
General Electric, Nela Park**

# **Saving the World 1 Watt at a Time**

**Thursday, April 17**

**12 noon, SI 117**

**Abstract:** As globalization grows the world's economies more and more energy will be consumed. The US Department of energy estimates that 25% of the commercial energy consumption and 12% of residential energy consumption is used for lighting in the US.

GE is committed to finding higher efficient lighting sources. An important type of lighting product are ceramic metal halide lamps (CMH), which are a type of high intensity discharge (HID) lamp. The underlying science of HID lamps is a complex and mature field that continues to elude complete understanding. Because modeling efforts for CMH lamps can only give an incomplete picture, CMH lamp design is largely an experimental science. Design of Experiment methodologies are employed to develop new products. An example of one experiment will be shown.

**Pizza and Refreshments provided at 12noon.**

***Undergraduate students are encouraged to attend***

Host: Ulrich Zurcher, x2429, u.zurcher@csuohio.edu