

## **CE 890 Graduate Seminar**

**SPEAKER:** Emily Asnicar, Dr. Sunanda Dissanayake's Distance M.S. graduate student

**TOPIC:** "Design Experience Working at Burns & McDonnell"

**DATE:** April 20, 2011

**TIME:** 4:00 p.m. (refreshments at 3:45 p.m.)

**PLACE:** 2144 Fiedler Hall

### **ABSTRACT**

One of the global practices of Burns & McDonnell is the Energy Division, which does design for many types of power plants, including coal-fired, combined cycle, nuclear, wind, and solar. A civil engineer working in the energy division can be expected to do site layout, site grading, hydrology, railroads, landfills, 316(b) compliance, pavement design, road layouts, road signs, pavement striping, and permitting. This presentation will describe two Burns & McDonnell Energy projects and go into detail about the civil design required for them. Then, two problems that that arose on these projects will be discussed along with how they were solved. Lastly, it will be shown how principals learned in class could be applied and used at Burns & McDonnell.