



**“Designing for Yesterday, Today, and Tomorrow: A Practical Approach to the Intelligent Substation and Smart Grid Technologies”**

**Presentation by**

**Mr. Andrew Mattei, P.E.**

**Brazos Electric Power Cooperative - Waco, TX**

**Tuesday, April 30, 2013, 12:30 - 1:30, Rogers 210**

Brazos Electric Power Cooperative is a Generation and Transmission (G&T) electric co-op that provides power generation and transmission services to its sixteen member-owned distribution cooperatives. Brazos Electric’s mission is to generate, procure, and transmit reliable power at the lowest possible cost. Brazos Electric was created in 1941, and today is the largest G&T cooperative in Texas.

While bleeding edge Smart Grid applications grab headlines, the average electric utility must still answer to its most basic calling – “reliable power at the lowest possible cost.” Andrew is a Project Engineer in the Electrical Engineering Design group at Brazos Electric. His press for technological advancement frequently encounters resistance via legacy equipment, restrained budgets, and technophobia. Yet, the firm edge of technology of substation intelligence is allowing “smart grid” advancements to be installed, even without the knowledge of the accountants. In this presentation, Andrew will discuss the advancing intelligent electronics side of the electric utility industry – protective relaying, SCADA, communications, and energy management systems - and how today’s intelligent devices will feed information as tomorrow’s smart grid appliances.

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