



**“Engineering Challenges of Operating the Electric Power Grid of Texas”
Presentation by Mr. Joel Koepke, P.E.
Electric Reliability Council of Texas (ERCOT)
Thursday, April 4, 12:30 - 1:30, Rogers 210**

ERCOT is commissioned by the State of Texas with the heavy responsibility of operating the electric power grid for most of Texas. Engineer Joel Koepke and two of his colleagues will be on campus next Thursday to give an overview of ERCOT. The presentation will explain how the power grid works, and discuss ERCOT’s main roles in managing Texas’ transmission system. Mr. Koepke will elaborate on the daily challenges of keeping the lights on, even in difficult situations like having days with 25-30% wind generation, followed by days with 2% wind generation. And, solar generation is on the horizon.

ERCOT has a keen interest in the engineering program at Baylor, and is hiring engineers. Mr. Koepke will highlight some of the engineering positions at ERCOT. He is Supervisor of ERCOT’s new Engineer Development Program (EDP). The EDP is a 12-18 month curriculum in which entry-level engineers are exposed to ERCOT’s 14 different engineering departments while learning essential power engineering skills. All entry-level engineers advance through the EDP prior to being placed into an engineering department. The EDP is regularly hiring BS and MS engineers with an interest in Power Systems.

[ERCOT Quick Facts](#)

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