

Energy and Power Group

Weekly Seminar Series

Friday, November 15th, 2019, 9:10 a.m. – 10:10 a.m., ETB 1020

Leading solutions for modern grid challenges



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Abstract

The Texas electric grid is in the midst of an exciting period of change. Technological advancements, a rapid increase in wind and solar generation, and a deregulated market have both transformed the way the grid operates and brought new engineering challenges. As the organization responsible for the reliable and economic operation of the Texas grid, the Electric Reliability Council of Texas (ERCOT) is a leader in finding solutions to these cutting edge problems. This talk will discuss some of the current challenges facing the grid, including a changing fuel mix, distributed energy resources, system inertia, and situational awareness.

Biography

Agee Springer is the supervisor of the simulation development team in the Operations Training department at ERCOT. His past experience includes developing situational awareness displays for the ERCOT control room, providing real-time engineering support for ERCOT system operators, performing analyses of ERCOT operational and market data, and supervising ERCOT's Engineer Development Program. Agee holds a BS in Physics from Duke University and a MSEE from The University of Texas at Austin.