



TEXAS A&M UNIVERSITY

Department of Electrical
& Computer Engineering

Friday, Nov. 12, 2021 | 12:00 – 12:30 p.m. Central

Meeting Location: ETB 1020

Research Activities at the TAMU/CIR Control Room Lab

Abstract

The TAMU/CIR Electric Grid Control Room Lab combines the features of a modern educational and research environment to afford students, academia and industry members a peek into the future power systems control center. It presents opportunities for research in large-scale power systems and operations, grid situational awareness, and the high impact of low frequency weather events. Located in the Center for Infrastructure Renewal Building (CIR) building, Rellis campus, the center has been configured to provide deep insights into performance of the entire electric system, from the retail customer interface to the operation of the three main interconnections in North America. The Center has three main missions – 1) support research into electric system planning, operations and performance, 2) serve as an education platform to support university courses and industry short courses, and 3) provide a comprehensive platform for the industry to perform commissioned studies and analysis. This presentation will provide high-level description of systems and equipment at the Center, capabilities and a functional integration of how they support on-going research activities in the Lab.

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Research Engineer

Iyke Idehen received the B.Eng degree in electrical engineering from University of Benin, Nigeria, M.S. in electrical and computer engineering from Tuskegee University and Ph.D. in electrical and computer engineering from Texas A&M University, TX, USA. He is currently a research engineer and manages the Control Room Lab at the CIR, TAMU Rellis campus.