This is to inform you that there will be an EPG seminar tomorrow, **October 4th,** as follows.

Seminar - Fall 2019
Friday, October 4, 2019
9:10am - 10:10am, ETB 1020

Scenario Development for Synthetic Electric Grids

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Abstract

Scenarios analysis is critical for the operation and planning in power systems. The knowledge of the system's limit and expected response under specific operating conditions ensures that the gird can be operated in an effective and reliable manner. In power industry, steady-state working groups and regional modeling groups of entities like Western Electricity Coordinating Council and Independent System Operators often manage the development and maintenance of scenario cases.

Since real transmission system topologies and scenarios are considered as critical energy infrastructure information, they are often hard to obtain and are restricted from sharing. This seminar will share the experience of creating realistic steady-state scenarios, using synthetic network and time series developed in Texas A&M University.

Biography

Hanyue Li received the B.S. degree in electrical engineering from Illinois Institute of Technology, Chicago, IL, USA, in 2016, and the M.S. degree in electrical and computer engineering in Carnegie Mellon University, Pittsburgh, PA, USA, in 2017. She is currently working toward the Ph.D. degree in electrical engineering at Texas A\&M University, College Station, TX, USA. She is with the TAMU IEEE-PES-IAS-PELS student chapter, where she served as the co-director of the 2019 IEEE Texas Power and Energy Conference (TPEC2019). Her research interests include the power system modeling and simulation, as well as synthetic network development.