



USE OF BESS FOR SYSTEM STABILITY SERVICES IN FUTURE POWER SYSTEM

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OVERVIEW

The presentation will provide an overview of how BESS could be used as a stabilization source. Further, nuances associated with provision of system services from IBRs would be covered.

BIO

Dr. Deepak Ramasubramanian is a Senior Technical Leader at the Electric Power Research Institute (EPRI). Deepak joined EPRI in 2017 where his work is in the area of modeling, control and stability analysis of the bulk power system with focus on the impacts of large-scale integration of inverter interfaced generation and load. He received his Ph.D. degree in Electrical Engineering from the Arizona State University, Tempe, USA in 2017. Through his work at EPRI, he engages with various utilities and transmission system operators around the world to study the impact of increase in inverter-based resources in their system. He is a recipient of an IEEE PES Chapter Outstanding Engineer Award, Energy Systems Integration Group (ESIG) Excellence Award, North American SynchroPhasor Initiative (NASPI) Outstanding Graduate Student Award, and the Power System Operation Corporation (POSOCO) Power System Award.

