

Next Generation Network (NGN) Webinars



Operation and Maintenance of Grid-Scale Battery Energy Storage Systems - Technologies and Practices

Summary

In recent years, multi-megawatt battery energy storage systems (BESS) have been deployed globally at unprecedented scales and speeds. BESSs are now crucial for resource adequacy and grid support, enhancing reliability and resiliency while increasing reliance on renewable and clean energy sources such as wind and solar power. Additionally, BESSs play a vital role in maintaining grid stability amidst the unpredictable impacts of large industrial loads, including data centers and indoor farming.

This webinar will explore the latest advancements in BESS technology and development for Macro-grids and Microgrid applications with focus on safety in operation and maintenance. It will aim to discuss best practices in technology selection, engineering, and deployment to streamline operation and maintenance, in a cost-effective manner. The discussion will cover both stationary and mobile/relocatable BESS, highlighting the recent focus on these technologies.

Topics to cover are:

- Recap of Battery-based Energy Storage (BESS) Technologies (Lithium and Beyond)
- Stationary and Mobile/Relocatable BESS
- Safety in Design and Operation
- Reliability Centered Maintenance

Speaker

Farid Katiraei, P.Eng, Ph.D. is President of Innoversa Mobile Solutions – an innovative company with focus on development of modular and transportable energy storage solutions for reliability and resiliency enhancement in power systems. Prior to Innoversa, Farid was the Vice President of Advanced Technology Integration business area for Quanta Technology. He has more than 25 years of professional experience in the areas of Energy Storage, Microgrids, and applications of power electronics in power systems for non-wires alternatives. Farid is the chair of Industry Connections activities on High power EV chargers and portable/transportable energy storage systems. Farid has received his PhD from University of Toronto. He is a Senior Member of IEEE, and a registered professional engineer in the provinces of Ontario, Canada.

Links & Information

Thursday, February 20, 2025
12 pm CST | 1 pm EST

Duration: 1 hour

[Register Here](#)



Farid Katiraei (Ph.D, P.Eng)

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