

# Session 4: Role and Use Cases of Real Time Simulators (RTS) Towards Advancing and Deploying Synchrophasor Based Wide Area Monitoring Protection and Control (WAMPAC) Systems

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# Panel Topic

- Phasor Measurement Units (PMUs) providing synchrophasor measurements & Wide Area Monitoring, Protection and Control (WAMPAC) systems are being widely deployed in power systems worldwide
- Valuable to observe the power system dynamics in the control room and provide advanced situational awareness and dynamic security assessment
- Utilities and research organizations are establishing advanced laboratory facilities to create, model and test new technologies for power systems including WAMPAC systems
- Real time simulators (RTS) are a critical component of these facilities and are expected to benefit and accelerate the advancement and deployment of WAMPAC systems
- Vendors are advancing the capabilities and features of RTS

**The panel will discuss the role of RTS in advancing and deployment of WAMPAC systems, and will provide example use cases from representative vendors and utilities**

# Panelists



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