

**The 15<sup>th</sup> International Workshop on Electric Power Control Centers  
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**Advanced Energy Management System (AEMS)**

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**Abstract**

GE will present its advanced EMS (AEMS). This combines the traditional model based EMS with WAMS applications utilizing dynamic measurements taken from PMUs plus renewable forecasting applications and advanced big data analytics for performance analysis and complex model creation. GE believes this approach is critical in an evolving grid where traditional generation is being replaced by Distributed Energy Resources leading to a change in grid resilience. GE's AEMS has delivered this approach to Transmission Operators providing an advanced control solution with enhanced situational awareness allowing the early identification of dynamic issues. By delivering the AEMS alongside a fully representative training environment, operators have the ability to understand the impact of all information flowing into the control room, allowing them to develop effective strategies for maintaining grid stability in a simulated environment. The presentation will include various use cases as well as highlighting the main function areas.

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Please send the Abstract to [dsobajic@gridengineering.com](mailto:dsobajic@gridengineering.com) by April 12