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IEEE PES Subcommittee on Big Data & Analytics for Power Systems
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IEEE BDA Webinar Series: Big Data & Analytics for Power Systems

Visualization and Analytics for high penetration of Distributed Energy Resources (VADER)

Sila Kiliccote

Staff Scientist and Managing Director,
SLAC National Accelerator Laboratory and Stanford University

1:30pm-2:30pm, Friday, EST, July 6
(12:30pm-1:30pm, CST) (11:30am-12:30pm, MST) (10:30am-11:30am, PST)

Abstract: Distribution grid is going through a transformation. This transformation is driven partly due to adoption of DERs at the grid's edge, increasing load flexibility and active control devices, and partly the growing availability of data from smart meters. In this webinar, we will discuss a new data analytics platform and open source analytics for better planning the distribution grid. The talk will cover the growing need for integrated platforms, the software architecture implemented for VADER, explain the choices that were made, and the top analytics developed and under deployment.

Bio: Sila Kiliccote is the managing director of grid innovations at the Stanford and the leader of the Grid Integration, Systems and Mobility research at SLAC National Accelerator Laboratory. She has worked as a demand response expert at Google and spent over 10 years at Lawrence Berkeley National Laboratory (LBNL) as a deputy of the Demand Response Research Center leading the grid integration initiatives. At LBNL, she worked with a team to develop OpenADR. Kiliccote holds an Electrical Engineering degree from University of New Hampshire and a Master of Building Science degree from Carnegie Mellon University.

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