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TOPIC TUTORIAL on Distribution Energy Resources (DER) Interconnection, a basic training

SPEAKERS Mark Siira ,ComRent Consultants
Charlie Vartanian, P.E. PNNL



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LOCATION SCE Montebello Service Center: 1000 Potrero Grande Drive Monterey Park.

DATE & TIME Friday, January 18, 2019; 9:00 a.m. – 4:00 p.m.

RESERVATION **Membership is required.** You are welcomed to bring your spouse/companion as a guest. Please include your guest's name and email with your reservation. Please email your reservation request with your IEEE number to: e.miranda@ieee.org; and cc ahmed.douik@caltech.edu

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ABOUT THIS MEETING This is a **free** tutorial cosponsored by SCE. the presentation is designed to provide the basic training for DER interconnections. A pdf file will be emailed to all attendees after they check in at the meeting.

ABOUT THE SPEAKERS



Mark Siira is the Director of Utility Compliance and Solutions for ComRent International, a leader in load testing solutions for critical facilities and utility-scale systems. Mark is responsible for technology strategy, external communication content. Mark is a senior member of IEEE and currently active as a leader in several standards making organizations; Chair of IEEE Standards Coordinating Committee 21. In this role, he leads the development of all interconnection and interoperability standards for Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage. Concurrently, he is Vice-Chair for IEEE1547 Interconnection

Standard Revision (new test requirements) and is sub-group chair of IEEE1547.1 commissioning. Mark has a Bachelor of Mechanical Engineering Degree from GMI Engineering and Management Institute (now Kettering University), and an MBA from Harvard Business School.



Charlie Vartanian is a Sr. Technical Advisor – Storage Reliability and Integration, within PNNL's Electrochemical Materials and Systems Group. His focus is the advancement of reliability and integration of grid connected energy storage systems.

Charlie has over 25 years of power industry experience deploying advanced grid technologies, performing electric system studies, and contributing to technical standards development. He has worked previously for Mitsubishi Electric, UET, DNV KEMA, A123 Systems, Enron, the California Energy Commission, and **Southern California Edison**. **During his 15 years at Southern California Edison**, Charlie's activities spanned traditional T&D planning through R&D. He is a currently Secretary of the IEEE 1547.9 Guide for DER Energy Storage Interconnection working group, and Co-Chair of the IEEE Energy Storage Task Force. Charlie received his BSEE from Cal Poly Pomona, and his MSEE from USC. Charlie is a licensed professional Electrical Engineer.