



## THE NORTH AMERICAN SYNCHROPHASOR INITIATIVE WEBINAR SERIES

Dan Dietmeyer, Charlie Cerezo

### Building a Resilient Distribution Grid



**Daniel Dietmeyer** serves as the Team Lead for the Transmission Protection and Automation team within System Protection and Control Engineering at San Diego Gas and Electric. Daniel joined the company in 2013 and has managed large projects including a Transmission Control Room Rebuild, as the lead

Project Engineer for the Falling Conductor Protection program focused on Wildfire Mitigation, and Transmission/Distribution SCADA expansion projects. Daniel is also a co-founder and co-chair of VALOR, SDG&E's D&I veterans' organization. He holds two FCC licenses and is a licensed Professional Engineer in the state of California.



**Charlie Cerezo** joined San Diego Gas & Electric in 2018 as an associate engineer and in 2019 took a position in the System Protection Automation & Control Engineering department. In his current role, Charlie is responsible for leading the Falling Conductor Protection commissioning efforts

and other distribution protection initiatives. Charlie graduated with a bachelor's degree in electrical engineering from California State Polytechnic University at Pomona and is a Licensed Professional Engineer in the state of California.

"Building a Resilient Distribution Grid: Real-time Situational Awareness and Enhanced Control". As the electric grid undergoes a major change, distribution system reliability and resilience are starting to play a key role. With the proliferation of distributed energy resources and possible bi-directional energy flow throughout the distribution grid, real-time measurements, protection systems, and control of the distribution system have to evolve to match the needed performance. Real-time situational awareness, monitoring, and control are key aspects in enabling a resilient and efficient operation of the distribution grid. In the past several years, a number of technologies, such as microgrids have been shown to be effective in achieving a more resilient distribution grid operation. The webinar will discuss the current state of the art in real-time distribution grid monitoring, analysis and control, tools and techniques used for real-time situational awareness, recent innovations, as well as gaps and challenges that we need to overcome to maintain and enhance reliability and resilience of the distribution grid.

To attend this free webinar, please register at <https://www.naspi.org/node/957>.

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**Wednesday, June 29, 2022**

**10:00 a.m. Pacific / 1:00 p.m. Eastern (1 hr.)**

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