



Join us for

IEEE Tech Talk

Protecting our National Grid

March 1, 2023, 4 pm PST

Live Stream from Seattle Washington

How do we protect our National Grid? Find out today on ways Utilities can protect the Transmission lines, distribution stations, Utility Yards, Insulators, wire and switch stations. Recently Home Land Security had announced potential attacks on local remote substations. We seen this recently in North Carolina, Graham Washington and Cowlitz County Oregon.

Join us for a session on how to protect the National Grid. How to prevent gun fire at the transformers, insulators, switch cabinets and transmission lines? What some of the penalties if caught? Are the CCTV cameras any deterrent from approaching the remote substations? What are local Utilities doing to prevent such occurrences? What is the response time for local police? Is Cybersecurity a deterrent?

Register at: <https://events.vtools.ieee.org/m/340093>

Presentation Description: Sarah will provide a brief high-level overview of the U.S. bulk grid, how it's designed, and its assets vulnerable to physical and cyber security threats



Sarah Davis

Bio: Sarah Davis is a Power Systems Engineer with 12+ years of experience in the Electricity Sector of the Energy Industry. Sarah started her career at Puget Sound Energy, where she gained experience as a System Protection Engineer, Energy Delivery Engineer, and a Transmission Planning engineer. She then went on to Pacific Northwest National Laboratory where she performed a variety of DOE funded research on bulk grid resilience, electrification, decarbonization, microgrids, and more. Today Sarah works at Apex Clean Energy, a renewable energy developer, as a Transmission Manager, leading transmission planning analytics in the Western Interconnect to guide placement and interconnection strategy for new large-scale wind, solar, and energy storage. Sarah is a licensed Professional Engineer, with a B.S. and M.S. in Electrical Engineering from the University of Washington.



Dr. Sayonsom Chanda

Grid & Energy Data Analytics

Bio: Sayonsom Chanda, is a simulation Engineer with the National Renewable Energy Laboratory. He works for Plexflo data analytics. He worked for the National Grid and Idaho National Laboratories as well as Schweitzer Engineering Laboratories. He graduated from Washington State University with a Ph D, Masters of Science in Electrical and Electronic Engineering. He has a BTech in Electrical Engineering.