



“Reinventing & Transforming the Energy System”
Alder Commons Hall Auditorium
at the University of Washington
April 4-5, 2018

Speaker: Dan Morman, PE and Consulting Engineer, Substation Automation and Controls, Puget Sound Energy

Title: Building a Virtual Digital Fault Recorder & Synchrophasors

Abstract: This talk discusses leveraging smart relays, smart meters, communications, and software to develop a wide area disturbance monitoring system by using fault records, sequence of events records, and synchrophasors. The Virtual DFR system increases availability of the data and decreases the capital cost and maintenance cost compared to stand alone DFR units. This talk will benefit those that are working in Substation Design, System Operations, Protection, Compliance, SCADA and Communications. Hear how you can use existing equipment to lower costs and improve system monitoring performance.



Bio: Dan has been involved in the electric power industry for 25 years. He has a wide back ground in electric power and control as well has many years associated with substation integration, automation, and operational technology. He has been with PSE for three years and has previously worked for other companies including Schweitzer Engineering Laboratories and Black & Veatch.