NWESS
Northwest Energy Systems Symposium

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

Speaker: Saad Malik, Director of Engineering, Peak Reliability

Title: Real-Time Grid Monitoring Tools and Applications

Abstract: This talk will provide an overview of the real-time grid monitoring tools and applications currently utilized by Peak Reliability. Peak Reliability, the Reliability Coordinator for western electric power grid utilizes various real-time grid monitoring tools and applications which provide system operators and engineers with situational awareness necessary for reliable operation of the power grid. In particular, the talk will focus on voltage stability monitoring and Peak Reliability's utilization of ROSE tool for real-time voltage stability monitoring for the western electric power grid.

Bio: Saad Malik has more than 18 years of experience in electrical engineering including power systems design, simulation and real-time power grid operations. For the past eight years, Mr. Malik has primarily been focused on real-time grid monitoring and operations for the western electric power grid at Peak Reliability.

Prior to joining Peak Reliability, Mr. Malik was with Jacobs Engineering in Calgary, Canada where he has been involved in industrial design projects primarily responsible for plant distribution system design, transmission line design, substation design, power equipment testing, power systems modeling, studies and simulation. Mr. Malik received his master's degree in Electrical Engineering from University of Regina (Regina, Canada) in 2002 and bachelor's degree in Electrical Engineering from University of Engineering & Technology, Peshawar, Pakistan in 1998. He is also an active participant in several industrial forums such as North American Transmission Forum and NERC standards/guidelines development. He is the author/co-author of several journal and conference publications. His main interests include real-time power grid monitoring and operations.
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