



UAA College of Engineering
UNIVERSITY of ALASKA ANCHORAGE



UAA Professional Development Seminar Series

Reliability Assessment of Power Distribution Networks

Presented by Mohammad Heidari,
Assistant Professor

Electric power distribution is the final stage in the delivery of electric power; about 80% of power interruptions result from power distribution system failure. Therefore, assessing the reliability of power distribution networks is of great interest. The twenty-first century power system is witnessing major transformation. Higher penetration of renewable resources, along with integration of electrical vehicles and smart appliances, requires the grid to be smarter to meet the demand with higher efficiency and reliability. Dr. Heidari will present his continuing research on planning of reliable power distribution networks. This presentation will introduce the potential benefits of automation and electrical vehicles on the reliability of power systems.

Mohammad Heidari is an Assistant Professor in the Electrical Engineering Department at UAA. He received his Ph.D. degree in Electrical Engineering and Computer Science from Wichita State University in 2018. His research interests include reliability, resiliency, and data analytics for interdependent networks. He is an active member of the IEEE PES Taskforce on Reliability Consideration in Emerging Cyber-Physical Energy Systems under Reliability, Risk and Probability Application Subcommittee.

Friday, October 5, 2018

11:45 am-12:45 pm

UAA College of Engineering, EIB 211