

Paper Session V Wednesday, March 9<sup>th</sup>, 2016 3:45 pm-5:45 pm Grand Ballroom C  
Faults & Protection

Chair: *Bhuvana Ramachandran (University of West Florida, USA)*

Co-chair: *Insu Kim (Alabama A&M University)*

3:45-4:05: Field Experience With Detecting an Arcing Ground Fault on a Generator Neutral Point  
*Nathan Klingerman (Duke Energy, USA), Larry Wright (Schweitzer Engineering Laboratories, USA)*

4:05- 4:25: Advancements and Practical Guidelines in the Application of 64S 100 Percent Stator  
Ground Fault Protection Using Sub-Harmonic Voltage Injection  
*Steve Turner (Beckwith Electric Company, USA)*

4:25-4:45: Fault Location in Distribution Feeders with Distributed Generation  
*Laiz Souto, Giovanni Manassero Junior, Silvio Giuseppe Di Santo (University of Sao Paulo, Brazil)*

4:45-5:05: A Study on the Effect of Distributed Generation on Short-Circuit Current  
*Insu Kim (Alabama A&M University, USA), Ronald G. Harley (Georgia Institute of Technology, USA)*

5:05-5:25: Performance Analysis of Parallel-Type Resonance Fault Current Limiters  
*Morteza Rezaee, Ronald G. Harley (Georgia Institute of Technology, USA)*

5:25-5:45: Dissolved Gas Analysis to Identify Faults and Improve Reliability in Transformers Using  
Support Vector Machines  
*Fernanda Rabelo Souza, Bhuvana Ramachandran (University of West Florida, USA)*