

Paper Session II Wednesday, March 9th, 2016 10:20 am-12:00 pm Grand Ballroom C
Demand Response

Chair: Dr. *Visvakumar Aravinthan (Wichita State University, USA)*
Co-chair: Dr. *G. Kumar Venayagamoorthy (Clemson University, USA)*

10:20-10:40: Allocation of Fixed Costs Considering Distributed Generation and Distinct Approaches of Demand Response Remuneration in Distribution Networks
Fabio Pereira, Joao Soares, Pedro Faria, Zita Vale (Polytechnic Institute of Porto, Portugal)

10:40-11:00: Impacts of Demand-Control Time Period on Distribution System and Consumer Comfort
Muhammad-Usman Khan, Visvakumar Aravinthan (Wichita State University, USA)

11:00-11:20: An Artificial Neural Network-Based Peak Demand and System Loss Forecasting System and its Effect on Demand Response Programs
Saurav MS Basnet, Haneen Aburub, Ward Jewell (Wichita State University, USA)

11:20-11:40: An Artificial Neural Network-Based Peak Demand and System Loss Forecasting System and its Effect on Demand Response Programs
Saurav MS Basnet, Haneen Aburub, Ward Jewell (Wichita State University, USA)

11:40-12:00: Optimal Demand Response Bidding and Pricing Mechanism with Fuzzy Optimization: Application for a Virtual Power Plant
Nemer Amleh, Ali T. Al Awami (King Fahd University of Petroleum and Minerals)