

Paper Session I Wednesday, March 9th, 2016 10:20 am-12:00 pm Bellsouth Auditorium
Smart Grid

Chair: Dr. Zita Vale (*Polytechnic of Porto, Portugal*)
Co-Chair: Dr. Rajendra Singh (*Clemson University, USA*)

10:20-10:40: Power-Aware Communication Management for Reliable Remote Relay Protection
in Smart Grid

Jiapeng Zhang, Yingfei Dong (University of Hawaii, USA)

10:40- 11:00: Event based Reduction of Power Fluctuation using Cyber-Physical Control-
Communication Network in Smart Grids

Ahsan Shahid (University of Illinois at Chicago, USA)

11:00-11:20: Enhancing Communications Reliability in Prosumer-Based Smart Grid using MIMO
Techniques

*Victor Chukwuka, Santiago Grijalva (Georgia Institute of Technology, USA), Masoud Honarvar
Nazari (California State University, USA)*

11:20-11:40: Microgrid Demonstration Gateway for Players Communication and Load
Monitoring and Management

Luis Gomes, Jorge Silva, Pedro Faria, Zita Vale (Polytechnic of Porto, Portugal)

11:40-12:00: Review of Electric Spring: A New Smart Grid Device for Efficient Demand Dispatch
and Active and Reactive Power Control

*Mehul Dansinh Solanki (Shantilal Shah Engineering College, India), S. K. Joshi (Maharaja
Sayajirao University of Baroda, India)*