

Paper Session XIII Friday, March 11th, 2016 8:00 am-9:40 am Seminar Room I
Power System Stability

Chair: *Dr. G. Kumar Venayagamoorthy Clemson University*

Co-chair: *Dr. Innocent Davidson (University of KwaZulu-Natal, South Africa)*

8:00-8:20: μ -synthesis for Power System Damping Controller Design
Ke Tang, G. Kumar Venayagamoorthy (Clemson University, USA)

8:20-8:40: Transient Stability Performance Quantification Method for Power System Applications
*Shengen Chen, Amamike Onwuachumba, Mohamad Musavi (University of Maine, USA),
Paul Lerley (RLC Engineering Inc, USA)*

8:40-9:00: Voltage Stability Improvement of a Multi-Machine System using HVDC
*Oluwafemi E. Oni, Innocent Davidson, Kamati N. I. Mbangula (University of KwaZulu-Natal,
South Africa)*

9:00-9:20: On Stability of Low-Inertia Micro-Grids
Oben Dag, Behrooz Mirafzal (Kansas State University, USA)

9:20- 9:40: Real Time Digital Simulation of Voltage-Based Controller for Electric Vehicle Charging
*Samy Faddel, Ali T. Al-Awami, M. A. Abido (King Fahd University of Petroleum & Minerals, Saudi
Arabia)*