

Paper Session F M I: Power System Analysis and Control

When: 8.30 am – 10.10 am Friday, March 13th, 2020

Where: Bellsouth Auditorium

Chair: Dr. Innocent Davidson, Durban University of Technology, South Africa

Co-Chair: Dr. Nobuyuki Yamaguchi, Tokyo University of Science, Japan

8:30 am – 8:55 am: An Innovative Deep Learning Approach Applied to Transient Stability Assessment of Power Systems

Hannah Wooten, Shephen Harris, Bhuvaneshwari Ramachandran (University of West Florida, USA)

8:55 am – 9:20 am: Online Voltage Optimization of the Power Distribution System

Hasala Dharmawardena, Kumar Venayagamoorthy (Clemson University, USA)

9:20 am – 9:45 am: Experiments of Power-Frequency Constant Estimation of Load-Frequency Control Using Reinforcement Learning

Shota Nishimura, Nobuyuki Yamaguchi (Tokyo University of Science, Japan)

9:45 am – 10:10 am: Short term Wind Variability Analysis and Modeling of Afe Babalola University

Oladimeji Ayamolowo, Elutunji Buraimoh, Innocent Davidson (AFE Babalola University, Durban University of Technology)