

Paper Session W – A II: Power System Security: Wednesday, September 5th, 2018

When: 4:00 pm-5:40 pm

Where: Ballroom C1

Chair: Sarina Adhikari, EnerNex LLC, USA

Co-Chair: Aaron St. Leger, United States Military Academy, USA

[1] 4.00 pm – 4.20 pm: Security Considerations in Transmission Planning for Creating Large Synthetic Grids

Adam B. Birchfield, Hanyue Li, Thomas J. Overbye (Texas A&M University, USA)

[2] 4.20 pm – 4.40 pm: Emulation of Anomalies for Wide-Area Monitoring, Protection and Control System Development

Madison Stark, Caleb Clay, Aaron St. Leger, Nicholas Barry (United States Military Academy, USA)

[3] 4.40 pm – 5.00 pm: Effective Angle prediction algorithm for utilization of PMU data Toward Prevention of Wide Area Blackouts

Sarina Adhikari, Aaron Snyder, David Mueller, Robert Zavadil, George Smith, George Loehr, (EnerNex LLC, NYSRC, USA)

[4] 5.00 pm – 5.20 pm: Geographic Information Systems (GIS) Image Analysis for Prioritizing Power System Restoration

Rabeya Jamshad, Muhammad Umer Qureshi, Santiago Grijalva (Georgia Institute of Technology, USA)

[5] 5.20 pm – 5.40 pm: Bad Data Injection Attack Propagation in Cyber-Physical Power Delivery Systems

Victor Chukwuka, Yu-Cheng Chen, Santiago Grijalva, Vincent Mooney (Georgia Institute of Technology, USA)