

Paper Session W – A I: Power System Control: Wednesday, September 5th, 2018

When: 4:00 pm-5:40 pm

Where: Ballroom B

Chair: S. K. Joshi, Maharaja Sayajirao University of Baroda, India

Co-Chair: Qun Zhou, University of Central Florida

- [1] 4.00 pm – 4.20 pm: Frequency Control of Power System with Wind Power Penetration with Optimized Energy Storage**
Jignesh Patel, S. K. Joshi (Maharaja Sayajirao University of Baroda, India)
- [2] 4.20 pm – 4.40 pm: Design of H infinity Controller for Wind Turbine in the Cold Weather Conditions**
Tahere Pourseif, Majid Taheri Andani, Hamed Pourgharibshahi, Tamaraebi Atuwwo, Kamran Yousefpour, Zahra Ramezani, Sirous Alizadeh Doniqi (Shahid Beheshti University, Tehran University, Graduate University of Advanced Technology, Feiz University of Technology, Iran, Lamar University, Mississippi State University, USA)
- [3] 4.40 pm – 5.00 pm: Real-time Singular Value Decomposition based Load Frequency Control of Multi-area Power System**
Irfan Ahmad Khan; Soumya Kar; Yinliang Xu (Carnegie Mellon University, USA, Tsinghua-Berkeley Shenzhen Institute, China)
- [4] 5.00 pm – 5.20 pm: Wide-Area Situational Awareness based Power System Stabilizer Tuning with Utility Scale PV Integration**
Paranietharan Arunagirinathan, Yawei Wei, Ali Arzani, Ganesh K. Venayagamoorthy (Clemson University, USA)
- [5] 5.20 pm – 5.40 pm: A Sliding Mode Pitch Control for Multi-Megawatt Offshore Wind Turbines**
Carlos Larrea-Leon, Sridhar Seshagiri (Universidad Publica de Navarra, Spain, San Diego State University, USA)