

Paper Session W – A III: Energy Storage: Wednesday, September 5th, 2018

When: 4:00 pm-6:00 pm

Where: Ballroom C2

Chair: Edward Allen, ChargeNexus LLC, USA

Co-Chair: Nitish Sharma, Black & Veatch, USA

- [1] 4.00 pm – 4.20 pm: A Low Cost Hybrid Equalizer for Lithium Ion BESS**
Ngalula Sandrine Mubenga, Thomas Stuart (University of Toledo, USA)
- [2] 4.20 pm – 4.40 pm: IOT Enabled Smart Grid Shared Distributed Energy Storage System**
Edward Allen (ChargeNexus LLC, USA)
- [3] 4.40 pm – 5.00 pm: Modeling and Control of Battery Energy Storage System for Providing Grid Support Services**
Nitish Sharma, S. Sankar (Black & Veatch, USA)
- [4] 5.00 pm – 5.20 pm: An Energy Storage Cost Comparison: Li-ion Batteries vs Distributed Load Control**
Neil Cammardella, Robert Moye, Yue Chen, Sean Meyn (University of Florida, National Renewable Energy Laboratory, USA)
- [5] 5.20 pm – 5.40 pm: Cost Optimization of an Off-grid Hybrid Renewable Energy System with Battery Storage for Rural Electrification in Pakistan**
Rizwan Kamal, Muhammad Younas, Muhammad Shoaib Khalid, Affaq Qamar (University of Engineering and Technology Peshawar, Pakistan)
- [6] 5.40 pm – 6.00 pm: Design and Evaluation of a Micro-hydro Power Scheme for Evboro II Community in Edo State, Nigeria**
K. O. Lawal, U. O. Aliyu, G. A. Bakare, A. O. Gbadegesin, C. D. Nna (Abubakar Tafawa Balewa University, University of Lagos, Nigeria, University of Johannesburg, South Africa)