

## 2018 ECCE Presentations and Posters

Author 1	Author 2	PI	Presentation or Poster	Paper	Title
Anup Anurag	Sayan Acharya	Bhattacharya	Tue, 2:45, B111	19402	Mobile Utility Support Equipment based Solid State Transformer (MUSE-SST) for MV Grid
Samir Hazra		Bhattacharya	P1704	19668	Minimizing Reactive Current of a High Gain Dual Active Bridge Converter for Supercapacitor
Adrian Wiemer	Vishnu Iyer	Bhattacharya	P2101	19066	Small-Signal Modeling and Controller Design Considerations for Dyna-C AC-DC Converter
Sarif Islam	Rajib Mikail	Husain	P2301	19331	Method to Minimize Space Harmonics of Fractional Slot Concentrated Windings in AC Machines
Adeeb Ahmed		Husain	P2302	19646	Accurate Joule Loss Estimation for Rotating Machines
Ashish Kumar	Sanket Parashar	Bhattacharya	P3308	19691	Continuous Heat Run Test of Latest Generation Power Modules for 10kV 4H-SiC MOSFETs
Hao Tu	Yuhua Du	Lukic	Tue, 8:30, B117	18547	A Hardware-in-the-Loop Real-Time Testbed for Microgrid Hierarchical Control
Yuhua Du	Hao Tu	Lukic	Tue, 8:55, B117	18568	Distributed Microgrid Synchronization Strategy Using a Novel Information Architecture Platform
Byeong-Heon Kim	Heonyoung Kim	Bhattacharya	P5703	19423	Discrete Diagonal State Estimator based Current Control for Grid Connected PWM Converter
Ritwik Chattopadhyay	Viju Nair	Bhattacharya	P7307	19240	Integrating Renewable Energy Source and Energy Storage for Cascaded Inverter
Li Yang	Yukun Luo	Husain	P8101	19162	Design and Test of a Planarized High Power Density 100 kW SiC Traction Inverter with 1kV DC-Link
Suyash Shah		Bhattacharya	P8907	19661	Reliability Oriented Design of Dual Active Bridge Converter for Power Supply on Heavy-Vehicles
Kibok Lee	Sara Ahmed	Lukic	P10105	18541	Restart Strategy for Synchronous Reluctance Machine Driving a High Inertia Load
Siddharth Mehta	Md Ashfanoor Kabir	Husain	P10115	19635	Extended Speed Current Profiling Algorithm for Low Torque Ripple SRM using Model Predictive Control
Yukun Luo	Li Yang	Husain	P10305	18358	A Variable Power Factor High Power Testbed for Traction Inverter Using Back-to-Back Connection
Shoeib Heydari	Poria Fajri	Husain	Wed, 8:30, C120	18565	Regenerative Braking Performance of Different EV Configurations
MA Awal	Hui Yu	Husain	Wed, 9:45, B116	18614	Decentralized Synchronization of AC-Stacked Voltage Source Converters
Faris Alfaris	Nima Yousefpoor	Bhattacharya	Wed, 4:25, A107	19504	Modular Static Distribution Controller for Distributed Energy Resource Generation Applications
Faris Alfaris		Bhattacharya	Thu, 9:45, B117	19636	Current-Fed Quasi Z-Source Inverter based PV Distributed Generation Controller
Srinivas Guler	Vishnu Iyer	Bhattacharya	Thu, 8:30, C121	19564	Improved Common Mode Noise Models For Three Level T-Type Neutral Point Clamped Converters
Suyash Shah	Utkarsh Raheja	Bhattacharya	Thu, 11:45 A108	19571	Input Impedance Analyses of Charge Controlled and Frequency Controlled LLC Resonant Converter
Siyuan Chen	Zibo Chen	Wensong Yu	P5713	19521	Multiple PR Current Regulator-based Dead-time Effects Compensation for Grid-forming Inverter
Chi Zhang	Srdjan Srdic	Lukic	P8103	19375	SiC-Based 100kW High-Power-Density (34 kW/L) Electric Vehicle Traction Inverter
Viju Nair	Ritwik Chattopadhyay	Bhattacharya	Thu, 11:45, B117	19667	Cascaded Active Neutral Point Clamped and Flying Capacitor Inverter for Induction Motor Drives
Landon Mackey	Chang Peng	Husain	Thu, 3:00, B111	19404	Progressive Switching of Hybrid DC Circuit Breakers for Faster Fault Isolation