

Power and Energy Systems

PRESENTATION/ SESSION 1

May 13, 2015, Wednesday

11:00 AM-1:00 PM

Track 5

E3-06-14

Sivakumar Nadarajan

Stator Winding Turn-to-turn Short Circuit Fault Detection and Diagnosis in Wound Field Brushless Synchronous Generator Using Auxiliary Winding Voltage

Sindhu Santosh Shetty

Thermal Comfort Improvement and Energy Savings in Office Buildings using Occupant Feedback

Naga Brahmendra Yadav Gorla

A New Control Scheme for Grid Connected Voltage Source Converters for Supporting Reactive Power

Shiva Shankaranarayanan Muthuraj

Multiple Transformer Turns Ratio Based Dual Active Bridge Converter

Sivakumar Nadarajan

Improved Brushless Synchronous Generator Model to Study the Turn-to-Turn Short Circuit Fault

Dong Zibo

A Novel Hybrid Approach Based on Self-organizing Maps, Support Vector Regression and Particle Swarm Optimization to Forecast Solar Irradiance

PRESENTATION/ SESSION 2

May 13, 2015, Wednesday

02:00-04:00 PM

Track 5

E3-06-14

Debjani Chakraborty

Parasitics Assisted Soft-switching and Secondary-Clamped Current-fed Bidirectional Voltage Doubler for Fuel Cell Vehicles

Gnana Sambandam Kulothungan

Survey on Current Fed Multilevel Power Converters

Amarendra Edpuganti

Optimal Pulsewidth Modulation of Medium-Voltage Modular Multilevel Converter

Radha Sree Krishna Moorthy

Impulse Commutated Zero Current Switching Current-fed Three Phase DC/DC Converter: Analysis, Design and Experimental Results

Ravi Kiran Surapaneni

A Single Stage CCM Zeta Microinverter for Solar Photovoltaic AC Module

Satarupa Bal

A Naturally Commutated Three-Phase Current-fed Bidirectional DC-DC Converter for Micro-grid Application

Power and Energy Systems

PRESENTATION/ SESSION 3

May 14, 2015, Thursday

11:00 AM-1:00 PM

Track 5

E3-06-14

Anurag Sharma

A Decentralized Multi-Agent System Approach for Service Restoration Using DG Islanding in Uncertain Environment

Rahul Mehta

Integrating Plug-in Hybrid Electric Vehicle

Dhivya Sampath Kumar

Adaptive Algorithm for The Protection of Distribution Systems

Ali Kawsar

A Nine Switch Interleaved Three Phase AC-DC Single Stage Isolated Converter

Ce Shang

Coupled Demand and Generation Side Management for Multi-comfort Building Automation

Zhang Yuan

Rapid Junction Temperature Estimation for SiC Power MOSFET in DC Microgrid

Aloysius Wishnu Aryaputera

Very Short-tem Irradiance Forecasting at Unobserved Locations Using Spatio-temporal Kriging

POSTER/ SESSION 3

May 14, 2015, Thursday

LT2 Area

04:00-05:00 PM

Amit Kumar Singh

A High Power Density Three Phase AC-DC Rectifier for More Electric Aircraft (MEA)

Dhivya Sampath Kumar

Stability Analysis of Power System with High Penetration of Photovoltaic Generation

Anurag Sharma

A Decentralized Multi-Agent System Approach for Service Restoration Using DG Islanding

Ravi Kiran Surapaneni

A Novel Single-Stage Isolated PWM Half-Bridge Microinverter for PV Systems

Radha Sree Krishna Moorthy

Economic and Environmental Voyage of All-Electric Ships

Farshad Rassaei

Demand Response for Residential Electric Vehicles with Random Usage Patterns in Smart Grids

Jayantika Soni

Electric Springs for Voltage and Power Stability and Power Factor Correction

Shang Ce

Economic and Environmental Voyage of All-Electric Ships

Satarupa Bal

Modular Snubberless Bidirectional Soft-switching Current-fed Dual 6-Pack (CFD6P) DC/DC Converter