2015 IEEE Green Energy and **Systems Conference** (IGESC 2015)

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Registration

Keynote Speech

Renovating the Power System

Morning Session (Track 1 and Track 2)

A Comprehensive Economic Optimization Plan for Microgrids Considering Grid Interconnection and Line Congestion

Somayeh Abbasi and Arash Jamehbozorg (California State University Los Angeles, USA) pp. 1-6

A multi-objective optimization approach for efficient energy management in smart grids

Ramesh Rajagopalan (University of Saint Thomas, USA) pp. 7-10

A Review of AC/DC Microgrid- Developments, Technologies, and Challenges Reza Sabzehgar (San Diego State University, USA)

n. 11-17

Power Flow Optimization Methods for Distribution Systems

Paula Quintana-Quiros (California State University, Long Beach, USA); Hen-Geul Yeh (California State University Long Beach, USA) pp. 18-23

Thermal Behavior of Aged Lithium-Ion Batteries: Calorimetric Observations

Jan Geder (TUM CREATE, Singapore); Raghavendra Arunachala (TUM CREATE LTD, Singapore); Shishir Jairam (TUM CREATE, Singapore); Andreas Jossen (Technische Universitaet Muenchen, Germany) pp. 24-29

Performance Analysis of Energy Storage Systems connected to a Double-Fed Induction Generator

Youngil Kim, Junda Zhao and Robert Harrington (The George Washington University, USA) pp. 30-34

Siting and Sizing Dispersed Energy Storage in Power Transmission Networks

Miguel Silva and Ricardo Pastor (R&D Nester, Portugal); Tao Shi (China Electrical Power Research Institute, Portugal); Liang Zhao and Jilei Ye (China Electrical Power Research Institute, P.R. China) pp. 35-40

Development of A Nonlinear Wind-turbine Simulator for LPV Control Design

Xiangming Xue, Yiming Bu and Bei Lu (CSU Long Beach, USA) pp. 41-48

Lunch and Poster Session

Sustainability Project of CSULB

Lunch Talk: The Electric Warship as a Microgrid

Afternoon Session

The optimal planning and dynamic operation of distributed generation method based on modified multi-objective optimization in power distribution system

Tairen Chen, Olga Lavrova and Jane Lehr (University of New Mexico, USA) pp. 49-54

A Distributed Framework for Frequency Regulation in Large-scale Prosumerbased Power Systems

Masoud Honarvar Nazari (Georgia Institute of Technology, USA) pp. 55-60

Defining Techniques For Developing an Energy Analysis Service on a Middleware For Technical Optimism of Green Buildings

Alan Redmond (Sigma-Orionis, France); Peno Pan (UC Irvine Extension, USA) pp. 61-66

Economics of Residential Energy Arbitrage in California using a PV system with directly connected Energy Storage

Richard Lam (California State University, Long Beach, USA); Duc Tran and Hen-Geul Yeh (California State University Long Beach, USA) pp. 67-70

Decision Tree-based Machine Learning Algorithm for In-node Vehicle Classification

Kyle Ying (California State University, Long Beach, USA); Alireza Ameri Daragheh, Ankit Trivedi, Dilip Ravindra, Darshan Patel and Mohammad M Mozumdar (CSU Long Beach, USA) pp. 71-76

Award for Student Poster Session and Closing Remark

Ice Cream Social Sponsored by IEEE Women in Engineering