

Program

Wednesday, December 9, 2009

Opening Ceremony

Time: 10:00-10:10

Venue: Academy Common 2F Rooms A2 &A3

Plenary Talk 1

Time: 10:10-11:10

Venue: Academy Common 2F Rooms A2 &A3

Chair: Hiroyuki Mori, Meiji University, Japan

Reliability Issues in Power System Planning and Operations with Renewable Energy Sources

Chanan Singh, Texas A&M University, USA

Break (11:10-11:30)

Plenary Talk 2

Time: 11:30-12:30

Venue: Academy Common 2F Rooms A2 &A3

Chair: Hiroyuki Mori, Meiji University, Japan

Advances in Training Intelligent Systems with Entropy Concepts: Wind Power Prediction and Other Applications

Vladimiro Miranda, INSEC, Portugal

Lunch Break (12:30-13:50)

Plenary Talk 3

Time: 13:50-14:50

Venue: Academy Common 2F Rooms A2 &A3

Chair: Hiroyuki Mori, Meiji University, Japan

Sustainable Delivery of Electricity

Felix F. Wu, Hong Kong University, Hong Kong

Break (14:50-15:10)

Plenary Talk 4

Time: 15:10-16:10

Venue: Academy Common 2F Rooms A2 & A3

Chair: Teruhisa Kumano Meiji University, Japan

Study on Various Forms of Sustainable Energy

Li Wang, National Cheng Kung University, Taiwan

Break (16:10-16:30)

Poster Session ^{*1}

Time: 16:30-18:30

Venue: Academy Common 2F Rooms A4, A5 & A6

Chair: Hiroyuki Mori, Meiji University, Japan

Note) ^{*1} Complementary hors d'oeuvre and drinks are available.

P1 An MCMC-Based Probabilistic Load Flow with DAEM Algorithm

Wenjun Jiang, Meiji University, Japan

Hiroyuki Mori, Meiji University, Japan

P2 Probabilistic Ts for Distribution System Service Restoration Algorithm

Takayuki Muroi, Meiji University, Japan

Hiroyuki Mori, Meiji University, Japan

P3 An Efficient Multi-objective Meta-heuristics for Optimal Allocation of SVRs in Distribution Networks

Takafumi Yoshida, Meiji University, Japan

Hiroyuki Mori, Meiji University, Japan

P4 MOPSO for Multi-objective Economic Load Dispatching with CO₂ Emission Generation System and Evaluation of the Economy and Environment

Kenta Okawa, Meiji University, Japan

Hiroyuki Mori, Meiji University, Japan

P5 Estimating Load Margin for Voltage Stability Contingency Screening with Hybrid Intelligent System

Naoto Ishibashi, Meiji University, Japan
Hiroyuki Mori, Meiji University, Japan

P6 Application of Preconditioned Gaussian Processes to Maximum Temperature Forecasting for Short-term Load Forecasting

Akira Takahashi, Meiji University, Japan
Hiroyuki Mori, Meiji University, Japan

P7 Multi-objective Meta-heuristics for Probabilistic Transmission Network Expansion Planning with Controlled NSGA-II

Hiroki Kakuta, Meiji University, Japan
Hiroyuki Mori, Meiji University, Japan

P8 An Efficient Design Method for Weather Derivatives between Energy Utilities

Hajime Fujita, Meiji University, Japan
Hiroyuki Mori, Meiji University, Japan

P9 A Study on Frequency Deviation and Electric Power Flow Change on Intersystem Tieline by Photovoltaic Generation

Kazuyuki Yamashiro, Meiji University, Japan
Teruhisa Kumano, Meiji University, Japan

P10 Local System Voltage Stabilization by Power Electronics for Wind Power Generation

Naoki Kojima, Meiji University, Japan
Teruhisa Kumano, Meiji University, Japan

P11 Implementation of Maximum Flow Problem Solver on FPGA

Tetsuo Araki, Meiji University, Japan
Teruhisa Kumano, Meiji University, Japan

P12 A Fundamental Study on the Voltage Collapse by Reverse Control Action of OLTC

Yasunobu Kikuchi, Meiji University, Japan
Teruhisa Kumano, Meiji University, Japan

P13 A Study on a Spherical Superconducting Fly Wheel

K. Mitsueda, Meiji University, Japan

Teruhisa Kumano, Meiji University, Japan

P14 Consideration of the Regional Correlation of the Illumination for Feed Forward Stabilizing Control of the Photovoltaic Power Generation

Takahiro Osaku, Meiji University, Japan

N. Hasegawa , Meiji University, Japan

T. Yamaguchi, Meiji University, Japan

Teruhisa Kumano, Meiji University, Japan

P15 A Study on the Application of Sliding Mode Control to PMSG Wind Power Generator

Teruhisa Kumano, Meiji University, Japan

Tsuyoshi Kawakami , Meiji University, Japan

P16 A Study on the Energy Management of PV Based Railway Transportation System

Teruhisa Kumano, Meiji University, Japan

Kohei Kawabata , Meiji University, Japan

P17 Voltage Control by Transformer Tap Ratio in Power System with Large-Scale Penetration of Photovoltaic Generation

Shinya Okuda, Meiji University, Japan

Teruhisa Kumano, Meiji University, Japan

P18 Multi-objective Power System Planning by Artificial Life Simulation using Genetic Programming

H. Yamashita, Meiji University, Japan

Teruhisa Kumano, Meiji University, Japan

P19 Integrated Supply Reliability Evaluation for a Distribution Substation By Using Monte Carlo Method

I. Kitajima, Waseda University, Japan

H. Tanaka, Waseda University, Japan

R. Yokoyama, Waseda University, Japan

P20 Study of Load Frequency Control Model for Independent Grid System of Micro Grid

Tadatsune Sato, Waseda University, Japan

Kaoru Koyanagi, Waseda University, Japan

Ryuichi Yokoyama, Waseda University, Japan

P21 Multi-Objective Tradeoff Analysis between CO₂ and Cost for Unit Commitment Problem

D. Yamashita, Waseda University, Japan

H. Tanaka, Waseda University, Japan

T. Niimura, Waseda University, Japan

R. Yokoyama, Waseda University, Japan

P22 Solar Radiation, Direction and Tilt Angle of PV Panels for Optimal Use of PV Generation

N. Saito, Waseda University, Japan

T. Ito, Waseda University, Japan

T. Tsoumada, Waseda University, Japan

K. Koyanagi, Waseda University, Japan

T. Niimura, Waseda University, Japan

R. Yokoyama, Waseda University, Japan

P23 Efficient Operation Scheme of Fuel Cell Complex Housings Based on Quadratic Programming

Y. Chiba, Waseda University, Japan

R. Yokoyama, Waseda University, Japan

G. Fujita, Shibaura Institute of Technology, Japan

P24 Analysis of Power Supply System Using Dispersed Power System in A University

Y. Casaba, Waseda University, Japan

R. Yokoyama, Waseda University, Japan

K. Koyanagi, Waseda University, Japan

G. Fujita, Shibaura Institute of Technology, Japan

P25 Damping Inter-Area Oscillation by Control of NAS (Sodium Sulfur) Battery System

K. Hasegawa, Waseda University, Japan

K. Koyanagi, Waseda University, Japan

R. Yokoyama, Waseda University, Japan

P26 Measurement and Analysis of Wind Speed for Wind Power Generation

K. Fujii, Waseda University, Japan
K. Koyanagi, Waseda University, Japan
R. Yokoyama, Waseda University, Japan

P27 Optimal Location of SVCs based on Tabu Search against Voltage Variations Caused by Sustainable Energy Generations

Yuta Sano, Waseda University, Japan
Ryuichi Yokoyama, Waseda University, Japan
Kazuyuki Sato, Tokyo Metropolitan University, Japan
Masao Taki, Tokyo Metropolitan University, Japan

P28 High Ratio DC-DC Converter for Distributed Generation Application

Arwinda Rizqiawan, Shibaura Institute of Technology, Japan
Kadek F. Sutrisna, Shibaura Institute of Technology, Japan
Pekik A. Dahono, Shibaura Institute of Technology, Japan
Goro Fujita, Shibaura Institute of Technology, Japan

P29 Discrete Passive Compensator for Load Balancing

Nguyen Xuan Tung, Shibaura Institute of Technology, Japan
Goro Fujita, Shibaura Institute of Technology, Japan
Kazuhiro Horikoshi, Shibaura Institute of Technology, Japan

P30 Evaluate Detection Methods for Anti-Islanding of Dispersed Generation

N.D. Tuyen, Shibaura Institute of Technology, Japan
G. Fujita, Shibaura Institute of Technology, Japan
K. Koyanagi, Waseda University, Japan
T. Funabashi, Meidensya Corporation, Japan
M. Nomura, Meidensya Corporation, Japan