Program Track 1

1. Power Systems (Rooms A2 &A3)

1-1. Advanced Power System Operation and Control Chair: Hiroyuki Mori

1-1-1. (9:45-10:15) -Invited

Enabler of Distributed Generation Integration - A Future Power Delivery System -

Koichi Nara

Ibaraki University, Japan

1-1-2 (10:15-10:45) -Invited

An Economic Evaluation for Strategic Integration of Distributed Energy Resources

N. Yorino[a], Y. Zoka[a], A. Sugimoto[b]

a) Hiroshima University, Japan b)Tokyo Electric Power Co., Japan

1-1-3. (10:45-11:15) -Invited

Nonlinear Stabilizing Control for Electric Power System Based on Pursuit-Escape Particle Swarm Optimization

Atsushi Ishigame

Osaka Prefecture University, Japan

1-2. Power Generation Chair; Teruhisa Kumano

1-2-1. (14:00-14:30) -Invited

Excitation Control System Designs of High Response Excitation Type Superconducting Generator for Stability Improvement

Worawut Sae-Kok

ABB, Japan

1-2-2 (14:30-15:00) -Invited

Demonstrative Research on Clustered PV systems

Katsumi Akanuma, Hiroyuki Sugihara

Kandenko Co., Japan

1-2-3. (15:00-15:30)

Technical Issues on Power Grid Interconnection of Wind Power Generators

Teruhisa Kumano

Meiji University, Japan

1-3. Power Systems under New Environment 1 Chair: Hiroyuki Mori

1-3-1. (15:45-16:15) –Invited

Distribution System Studies with Photovoltaic (PHV) Generation

Andrew Golder, Karen Miu

Drexel University, USA

1-3-2. (16:15-16:45) -Invited

Study of Wind Generator System Introduce Wind Collection Equipment and Maximum Power Point Tracker System

Yuuya Otagiri, Kazuto Yukita, Tadashi Hosoe, Yasuyuki Goto, Katsuhiro Ichiyanagi

Aichi Institute of Technology, Japan

1-3-3. (16:45-17:15) –Invited

Survey of Forecasting Techniques for Deregulated Electricity Market Prices

T. Niimura

Trans National Computing Systems Inc.,Canada

1-4. Power Systems under New Environment 2 Chair: Hiroyuki Mori

1-4-1. (17:30-18:00) -Invited

Roles of Advanced Information Technology for Restructured Electric Power Industry

T. Niimura[a], K. Ozawa[b]

a) Trans National Computing Systems Inc., Canada b) Hosei University, Japan

1-4-2. (18 :00-18 :20)

Feature Extraction of Meteorological Data Using Regression Tree for Wind Power Generation

Hiroyuki Mori, Akira Awata

Meiji University, Japan

1-4-3. (18 :20-18 :40)

Application of Gaussian Process to Wind Speed Forecasting for Wind Power Generation

Hiroyuki Mori , Eitaro Kurata
Meiji University, Japan

1-p. Poster Session (11:30-13:00) Room A5

1-p-1. **Impacts of the Integration of Wind Energy on Power Systems**
Mehdi Eghbal, Naoto Yorino, Yoshifumi Zoka
Hiroshima University, Japan

1-p-2. **A Multi-agent Based Bulk Power System Restoration**
Takeshi Nagata, Daisuke Kunisa
Hiroshima Institute of Technology, Japan

1-p-3. **Internet-based Campus Electric Power Energy Monitoring System**
Takeshi Nagata, Toshihisa Kai
Hiroshima Institute of Technology, Japan

1-p-4. **Estimation Method for DG Output Using Independent Component Analysis**
Masaomi Yanagida, Atsushi Ishigame
Osaka Prefecture University, Japan

1-p-5. **Proposal of a New PSO with Pursuit and Escape Behavior**
Mitsuharu Higashitani, Atsushi Ishigame
Osaka Prefecture University, Japan

1-p-6. **An Agent-based Simulation of Power Market**
Teruhisa Kumano, Hiroyuki Mori
Meiji University, Japan

1-p-7. **Voltage Evaluation of Power Systems with Wind Power Plants**
Naoki Hosaka, Teruhisa Kumano
Meiji University, Japan

1-p-8 **A TS-EPSO based Method for Optimal Allocation of SVC in Distribution System**s
Hiroyuki Mori, Yukihiro Maeda
Meiji University, Japan

1-p-9. **Application of Controlled NSGA-II to Multi-objective Distribution Network Planning**
Hiroyuki Mori, Yoshinori Yamada
Meiji University

1-p-10. **Optimal Capacitor Allocation in Three-phase Unbalanced Distribution Systems**
Hiroyuki Mori, Kojiro Shimomugi
Meiji University

1-p-11. **Distribution Network Restoration Using Hierarchical Optimization and OO-PTS**
Hiroyuki Mori, Atsuhiro Furuta
Meiji University

1-p-12. **Application of Parallel Meta-heuristics to Network Reconfiguration and Capacitor Control for Loss Reduction in Distribution Systems**
Hiroyuki Mori, Yubun Komatsu
Meiji University

1-p-13. **A Bootstarp Method for Pricing Weather Derivative**
Hiroyuki Mori, Daisuke Iwashita
Meiji University