Asia-Pacific Conference on Electrical Installation (APEI)
(The 10th International Workshop)
Program
August 22, 2012  10:00 ~ 15:50
Nagoya University (Liberal Arts & Sciences Main Building 2F S2X)

**Moderator:** Chairman of IEIEJ International Committee
Takehiko Takahashi (Kanto Gakuin University)

**Chairman:** Isao Ito (Kandenko Co., Ltd.)

Oral presentation

**APEI-1 (10:10 ~ 10:30)**
The Influence to the Harmonics Voltages in the branch distribution system by the Static Capacitors in HV Consumers
○ Mutsumi Aoki, Shinya Sekizaki, Tsukasa Honda, Hiroyuki Ukai
Nagoya Institute of Technology

**APEI-2 (10:30 ~ 10:50)**
A study of over current protection in the High Voltage Direct Current (HVDC) distribution system
○ Masatoshi Noritake, Tomohito Ushirokawa, Keiichi Hirose
NTT Facilities, Inc.

**APEI-3 (10:50 ~ 11:10)**
The Characteristics of Frequency Spectrum from the Radiated Electromagnetic Waves according to Surface Discharge of Different solid dielectrics
○ Eun-Hyeok Choi*, Dong-Young Lim*, Cheol-Ho Park**, Ju-Bok Kim***, Ki-Chai Kim*, Kwang-Sik Lee*
  * Yeungnam University
  ** Hyeong-Jin Co.LTD
  *** Korea Electric Company

**APEI-4 (11:10 ~ 11:30)**
Operational control using parallel processing method in micro grid
○ Tomohito Ushirokawa*, Keiichi Hirose*, Kazuto Yukita**, Katsuhiro ICHIYANAGI**, Yoshiaki Okui***
  * NTT Facilities, Inc
  ** Aichi Institute of Technology
  *** SANYO DENKI Co. LTD

**APEI-5 (11:30 ~ 11:50)**
Electric Vehicle Consumer Survey and Verification of Transformer Capacity for the Electric Vehicle Battery Charging in Rental Apartments
○ Kihong Lee*, Wanhee Byun**, Hoyoung Kee**, Myeong soo Kim***
  * Construction Technology Dept, Land & Housing Institute
  ** Urban Planning & Architecture Dept, Land & Housing Institute
  *** Korea Land & Housing Corporation
APEI-6  (13:00 ~ 13:20)
Demand Side Management Using a Battery-Equipped Quick Charger for Electric Vehicles
   * R&D Headquarters, NTT Facilities, Inc.
   ** Energy Business Headquarters, NTT Facilities, Inc.

APEI-7  (13:20 ~ 13:40)
The application of pulse waveform identification on partial discharge location for cast-resin transformer
   * Power Diagnostic Service Co., Ltd.
   ** Industrial Technology Research Institute

APEI-8  (13:40 ~ 14:00)
Assess Breakdown Characteristics of Surface Discharge according to the Different solid dielectrics in Dry-Air
○ Eun-Hyeok Choi, Sang-Wook Lee, Sung-Gyu Park, Kwang-Sik Lee
Yeungnam University

APEI-9  (14:00 ~ 14:20)
Induced lightning effects for controller of overhead line re-closer in MV distribution power system
○ Young Sung Kim*, Tae-Hoon Jeong*, Sung-Pill Nam*, Jae-Chul Kim**
   * Korea Electrotechnology Research Institute
   ** Soongsil University

APEI-10  (14:30 ~ 14:50)
Transient Circuit Analysis of Lightning Surge Propagation in Household Wiring
○ Shinji Yasui, Taisuke Okumura
Nagoya Institute of Technology

APEI-11  (14:50 ~ 15:10)
Effects of Potential Interferences between Ground Electrodes on the Resultant Ground Impedance
○ Hee-Kyung Shin, Sung-Chul Cho, Gun-Jin Shin, Hee-Yeoul Park, Gwan-Young Bae, Chang-Hoon Seong, Bok-Hee Lee
Inha University

APEI-12  (15:10 ~ 15:30)
A Study on Suppressing Common-mode Currents from Inverters
○ Takashi TSUCHIDA
KANDENKOCo.,Ltd

APEI-13  (15:30 ~ 15:50)
The World’s Smallest 60-Ton Crane Used for the Largest Cyclotron
○ Tadashi FUJINAWA, Kenichi SHIRAISHI
RIKEN RI Beam Factory