

A. ISET/ISS 2016 Panel Session 3 December, 2016

Title: Engineering Education in Asia

Session chair: Prof. Naoto Nagaoka.....9:35-10:10

*Panelist: Prof. Anantawat Kunakorn, Prof. Kazuo Yamamoto, Prof. Koichi Yamabuki,
Prof. Peerawut Yutthagowith and Prof. Tran Huu Thang*

B. International Student Session (ISS) 3 December, 2016

ISS-I: chair: N. Triruttanapiruk, S. Nakatani, A. Tonomura.....10:30-12:00

- ISS-01 Several Factors Influencing on Grounding Characteristic of Wind Turbine Foundation
Yuki Kubo, Kazuo Yamamoto, Sinichi Sumi
- ISS-02 FDTD Calculation of Lightning Currents in a CFRP Panel
Teruo Umeda, Yoshihiro Baba, Naoto Nagaoka
- ISS-03 FDTD Computation of Errors in Magnetic Direction Finding of Lightning Due to the
Presence of Grounding Structure Near the Field Measuring Station
Shohei Araki, Yoshihiro Baba, Naoto Nagaoka
- ISS-04 FDTD Simulation of the Electric Field of a Zinc-Oxide Substation Arrester under a
Lightning Overvoltage
Ryo Murakami, Shunsuke Imato, Yoshihiro Baba, Naoto Nagaoka
- ISS-05 Compact Impulse Generator using a Cockcroft-Walton Circuit
Kotaro Masuda, Kazuo Yamamoto, Sinichi Sumi
- ISS-06 A Deterioration Diagnosis for Parallel-Connected Lithium-Ion Batteries Using Thermal
Factors
Shun Ito, Naoto Nagaoka
- ISS-07 A Feasibility Study of Using Low-temperature Energy in Supercritical CO₂ Rankine
Cycle
Chayadit Pumaneratkul, Haruhiko Yamasaki, Hiroshi Yamaguchi
- ISS-08 Intelligent Lighting System Automating the Toggling of the Occupancy Status Using a
BLE Beacon
Sota Nakahara, Mitsunori Miki, Shinya Dainaka, Katsuya Akinishi, Hiroto Aida
- ISS-09 Transaction-Cost Economics: The Governance of Contractual Relations
Daisuke Yamashita, Hiroto Aida, Atsuki Tonomura, Reo Umeda, Mitsunori Miki
- ISS-10 Speeding up the extraction of lighting close to the illuminance sensor In Intelligent
Lighting System
Kazuhiro Miwa, Mitsunori Miki, Sota Nakahara, Shinya Dainaka, Hiroto Aida

ISS-II: chair: B. Paophan, S. Ito, Y. Shinpaku.....13:00-14:30

- ISS-11 Experimental study and Suppression Methodologies about Overvoltage Between
Different Types of Groundings
Shohei Nimura, Kazuo Yamamoto, Shinichi Sumi
- ISS-12 A Battery Control Method of DC Smart House for Developing Countries
Shunsuke Nakatani, Naoto Nagaoka
- ISS-13 Comparison between Estimation Models for Solar Irradiance on Inclined Plane
Naotaka Oka, Yasuhito Takahashi, Koji Fujiwara, Kazuyuki Hidaka, Hiroshi Morita
- ISS-14 Earthing-Impedance Model of Wind-Tower Foundation Derived from FDTD Simulation
Result

- Shota Inoue, Hiroshi Morita, Naoto Nagaoka*
- ISS-15 A Battery Performance Measurement Circuit for Deterioration Diagnosis
Kazuki Toyooka, Naoto Nagaoka
- ISS-16 An Improvement of ARMA Modelling and Its Application to a Li-ion Battery
Kenta Ifuru, Naoto Nagaoka
- ISS-17 Proposal of Load Reduction Method of Construction and Control Computer of Cloud-Type Intelligent Lighting System
Shinya Dainaka, Mitsunori Miki, Sota Nakahara, Reo Umeda, Hiroto Aida
- ISS-18 A Proposal of Method to Estimate Illuminance on Desks for Lighting Control System
Atsuki Tonomura, Mitsunori Miki, Katsuya Akinishi, Daisuke Yamashita, Hiroto Aida
- ISS-19 Experimental Study of Data Transmission Method using Luminosity Control for WSN
Takuya Domen, Hiroto Aida, Sota Nakahara, Reo Umeda, Mitsunori Miki
- ISS-20 Estimate Natural Light Illuminance Distribution Using the Ceiling Illuminance Sensor
Katsuya Akinishi, Mitsunori Miki, Shinya Dainaka, Sota Nakahara, Hiroto Aida
- ISS-III: chair: C. Pumaneratkul, N. Oka, K. Miwa.....15:00-16:40
- ISS-21 Effects of Soil on Wave Propagation of a Single-phase Buried Conductor Covered with an Insulator
Hiroyuki Murakami, Naoto Nagaoka
- ISS-22 An Internal Impedance Estimation of a Li-ion Battery Using a Laplace Transform with a Logarithmic Time Segmentation
Tomohiro Ishii, Naoto Nagaoka
- ISS-23 Design of Two-Stage Cascade Surge Protective Devices for AC Low Voltage Systems
Nawakan Triruttanapiruk, Peerawut Triruttanapiruk, Kazuo Yamamoto
- ISS-24 An algorithm for Calculation of Corona Inception Voltages under Non-Uniform Electric fields
Busayapol Paophan, Anantawat Kunakorn
- ISS-25 Application of A Gauss-Newton Algorithm in Parameter Evaluation of Lightning Impulse Voltage
Piyapon Tuethong, Peerawut Triruttanapiruk
- ISS-26 Design and Initial Operation of a 2.45 GHz Microwave-induced Sheet Plasma Source
Arnold Rey Gines, Beverly Anne Suarez, Motoi Wada
- ISS-27 Transient Characteristic of On-site Fabricated and PHC Piles
Koki Takai, Kazuo Yamamoto, Shinichi Sumi, Naoyoshi Tsutsui, Yasuaki Kasai, Naoki Oguma
- ISS-28 Verification of Illuminance and Color Temperature Estimation Method Using by Camera of Mobile Device
Yasunori Shinpaku, Hiroto Aida, Atsuki Tonomura, Akinishi Katsuya, Shinya Dainaka
- ISS-29 Study of method of obtaining shape of surface from shadow data of objects
Shunhei Morimura, Hiroto Aida, Atsuki Tonomura, Daisuke Yamashita, Katsuya Akinishi
- ISS-30 Verification of Preferred Illuminance and Color Temperature of Task Light Which is Shared Office Workers
Ayaka Miyoshi, Mitsunori Miki, Katsuya Akinishi, Daisuke Yamashita, Hiroto Aida
- ISS-31 Verification of Indoor Location Estimation with Full Color LED
Reo Umeda, Hiroto Aida, Atsuki Tonomura, Daisuke Yamashita, Mitsunori Miki