

TECHNICAL SESSIONS

Technical Session 1

Energy and Power Engineering 1

Wednesday, 5 November 2014; 11:00-12:30

Session Chair: I N. S. Kumara

Saraswati

1. ID 14 **Elimination of Sympathetic Inrush Currents in Transformers Connected in Parallel**
Kartik P Basu, Naeem M Hanoon
Faculty of Engineering, Multimedia University, 63100 Cyberjaya, Malaysia
2. ID 18 **Investigation and Modelling of Sympathetic Inrush Due to Transformer Energization**
H. Abdull Halim, B.T. Phung, J. Fletcher
School of Electrical Engineering and Telecommunications, The University of New South Wales, Australia
3. ID 63 **Modeling and Detection of High Impedance Faults**
Huwei Wu, B.T. Phung, Daming Zhang, Jichao Chen
School of Electrical Engineering and Telecommunications, University of New South Wales, Sydney, Australia
4. ID 12 **Design of Snubber Circuit and PI Control to Achieve Load Independent Output Voltage in Micro Smart Home System**
Didi Istardi, Andy Triwinarko
Electrical Engineering Department, Batam Polytechnics, Batam, Indonesia

Technical Session 2

Software Engineering and Information Systems

Wednesday, 5 November 2014; 13:30 – 15:00

Session Chair: Linawati

Saraswati

1. ID 78 **Demand and Thermal Aware Approach for Greener IaaS-Cloud Data-Centers**
Nazi Tabatabaei Yazdi, Chan Huah Yong
School of Computer Science Universiti Sains Malaysia, Pulau Pinang, Malaysia
2. ID 20 **The Design of Web Based Academic Information System in Universitas Sains dan Teknologi Jayapura**
Marla S.S. Pieter, Evanita V. Manullang
Information Technology Science and Technology, University of Jayapura, Jayapura, Indonesia
3. ID 42 **Visualization of Indonesian Translation of Quran Index**
Suwanto Raharjo, Khabib Mustofa
Informatics Engineering, Faculty of Industrial Technology, Institute of Science & Technology AKPRIND



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4. ID 22 **Website Content Management Analysis of eGovernment in Bali Province According to the Ministry of Communications and Information Guide (KOMINFO)**
Gerson Feoh, Linawati, Ni Made Ary Esta Dewi Wirastuti
Department of Information Engineering, University of Dhyana Pura Bali, Indonesia
5. ID 23 **Server Log Monitoring Based On Running Services**
Dandy Pramana Hostiadi, Made Sudarma
STMIK STIKOM Bali, Indonesia

Technical Session 3

Multimedia Telecommunication

Saraswati

Wednesday, 5 November 2014; 15:30 – 17:00

Session Chair: N. M. A. E. Dewi Wirastuti

1. ID 21 **Implementation Dedicated Sensing Receiver (DSR) in 3G - WiFi Offload**
Setiyo Budiyanto, Muhammad Asvial, Dadang Gunawan
Department of Electrical Engineering, University of Indonesia, Depok 16424, Indonesia
2. ID 35 **Study on Feasible Solution of Power Control in Cognitive Radio Networks**
Norma Amalia, I Wayan Mustika, and Selo
Department of Electrical Engineering and Information Technology, Universitas Gadjah Mada
3. ID 31 **Performance Analysis of Packet Scheduling Algorithm for Video Service in Downlink LTE**
Ida Nurcahyani, I Wayan Mustika, and Selo
Department of Electrical Engineering and Information Technology, Universitas Gadjah Mada
4. ID 62 **Unidirectional Motion Estimation Technique With Full Search Algorithm For Frame Rate Up-Conversion Video**
Widya Yuniari, Oka Widyantara, Linawati
Department of Electrical Engineering, Udayana University

Technical Session 4

Energy and Power Engineering 2

Saraswati

Thursday, 6 November 2014; 09:00-10:30

Session Chair: B. T. Phung

1. ID 61 **Comparison between RC Detector and High Frequency Current Transformer in Measuring Partial Discharge in Liquid Insulation**
Suwarno, Aulia
School of Electrical Engineering and Informatics, Institute Teknologi Bandung
2. ID 75 **Effect of the Distance of Partial Discharge Sensor to Partial Discharge Source on the Attenuation of Partial Discharge induced Electromagnetic Wave in Gas Insulated Switchgear**
Umar Khayam, Zahrina Hafizhah
School of Electrical Engineering and Informatics, Institut Teknologi Bandung, Bandung, Indonesia



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3. ID 77 **New Designed Bowtie Antenna with Middle Sliced Modification as UHF Sensor for Partial Discharge Measurement**
Asep Andi Suryandi, Umar Khayam
School of Electrical Engineering and Informatics, Institut Teknologi Bandung, Bandung, Indonesia
4. ID 44 **Modelling and Numerical Simulation of Multiple One Way Gears Wave Energy Converter to Generate Electricity**
Masjono, Salama Manjang, Zahir Zainuddin, Arsyad Taha
Department of Civil Engineering, Hasanuddin University, Makassar
5. ID 86 **Microhydro Powerplant for Rural Area in Bali to Generate Green and Sustainable Electricity**
Satya Kumara, D.P.D. Suparyawan, W.G Ariastina, W. Sukerayasa, I.A.D Giriantari
Department of Electrical Engineering, Udayana University

Technical Session 5

Joint Track

Saraswati

Thursday, 6 November 2014; 11:00-12:30

Session Chair: Yoga Divayana

1. ID 19 **Load Flow and Supply Security Analysis of Power System in Tiga Nusa; Before and After the Application of 20kV Submarine Cable**
Dayu Giriantari, I W. Sukerayasa, Y.M.A. Prawira
Department of Electrical Engineering Udayana University, Bali, Indonesia
2. ID 13 **Economic Cost Study of Photovoltaic Solar System for Hotel in Nusa Lembongan**
I.A.D. Giriantari, I.N.S. Kumara, D.A. Santiari
Department of Electrical Engineering, Udayana University, Bali, Indonesia
3. ID 85 **DC Motor Speed Control with Pulse Width Modulation (PWM) Method of Infrared Remote Control Base on Microcontroller ATmega16**
Putu Raka Agung, Syamsul Huda, I Wayan Arta Wijaya
Department of Electrical Engineering, University of Udayana, Bukit Jimbaran, Bali, Indonesia.
4. ID 43 **A Review : Identification of Avian Influenza Environmental Risk Factor using Remote Sensing Image and GIS**
M. A. Padmasari, Linawati, NMAED Wirastuti
Department of Electrical Engineering Udayana University, Bali, Indonesia



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