



	Session 1 - Energy Systems Organizer: Wei-Jen Lee Chair: Wei-Jen Lee (Angus Shaw Room)	Session 2 - Power Systems Protection Organizer: Rasheek Rifaat Chair: Rasheek Rifaat (William Tomison Room)
0800 - 0805	Introduction & Announcements	Introduction & Announcements
0805 - 0850	ICPS-07-01 “A Fuzzy-based Maximum Power Point Tracker for Body Mounted Solar Panels in LEO Satellites”, Mohsen Taherbaneh , Mohammad B.Menhaj	ICPS-07-05 “Power System Blackouts - Minimizing Their Impact at Industrial Co-generation Facilities”, Charles Mozina
0855 - 0940	ICPS-07-02 “Design Optimization of Wind Power Planning for a Country with Low-Medium Wind Speed Profile”, Chai Chompoo-inwai , Chow Chompoo-inwai, S. Banjongjit, M. Leelajindakraierk, P. Faungfoo, W. J. Lee	ICPS-07-06 “Optimizing Motor Thermal Models”, Stanley Zocholl
0940 - 1000	Break	
1000 - 1045	ICPS-07-03 “Design of Under Voltage Relay for an Industrial Plant with Cogeneration Units to Enhance Power Quality of Critical Loads”, C. S. Chen , Y. D. Lee, C. T. Hsu, D. S. Ting, C. C. Shen	ICPS-07-07 “Deterministic High -Impedance Fault Detection and Phase Selection on Ungrounded Distribution Systems”, Daqing Hou , Normann Fischer
1050 - 1135	ICPS-07-04 “The Competitive Model Based on the Demand Response in the Off-peak Load Period for Taipower System”, Wen-Chen Chu , Yi-Ping Chen, Tzu-Hao Lin	ICPS-07-08 “Fault Detection Techniques for Power Transformers”. N. Yadaiah , Nagireddy Ravi
	Lunch Break	
	Session 3 - Energy Systems Organizer: Wei-Jen Lee Chair: Wei-Jen Lee (Angus Shaw Room)	Session 4 - Power Systems Engineering Organizer: Bill Braun Chair: Bill Braun (William Tomison Room)
1300 - 1305	Introduction & Announcements	Introduction & Announcements
1305 - 1350	ICPS-07-09 “PCA-based Least Squares Support Vector Machines in Week-Ahead Load Forecasting”, Mohammadreza Afshin , Alireza Sadeghian	ICPS-07-13 “Determining System and Subsystem Availability Requirements: Resource Planning and Evaluation”, Christopher C. Thompson , Peyton S. Hale, Jr., Robert G. Arno
1355 - 1440	ICPS-07-10 “PEA Guidelines of Impact Study and Operation of DG for Islanding Operation”, Pradit Fuangfoo , Narong Tantichayakorn, Payomsarit Sripattananon, Wei-Jen Lee	ICPS-07-14 “Special Protection Systems Reliability Assessment”, Tsun-Yu Hsiao , Chan-Nan Lu
1440 - 1500	Break	
1500 - 1545	ICPS-07-11 “Role and Value of Pumped Storage Units in an Ancillary Services Market for Isolated Power Systems – Simulation in the Taiwan Power System”, Chin-Chung Wu , Wei-Jen Lee, Ching-Lung Cheng, Hong-Wei Lan	ICPS-07-15 “Decision Making Process for Selecting Reliable and Efficient Substations for Industrial Customers”, Drassimir Kutlev , Ulf Andersson, Robert Reymers, Le Tang
1550 - 1635	ICPS-07-12 “Application of Buck Zero-Current-Switching Pulse-Width-Modulated Converter in Battery Chargers”, Yu-Lung Ke , Ying-Chun Chuang, Shao-Wei Huang	ICPS-07-16 “Co-Generation Reliability Models for Use in Generation Adequacy Assessment”, Ali Chowdhury, Don Koval



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INDUSTRY APPLICATION SOCIETY

Industrial and Commercial Power Systems Department

WEDNESDAY, MAY 9TH 2007

	Session 5 - Power Systems Protection Organizer: Rasheek Rifaat Chair: Charles Mozina (Angus Shaw Room)	Session 6 - Power Systems Engineering Organizer: Jim Harvey Chair: Jim Harvey (William Tomison Room)
0800 - 0805	Introduction & Announcements	Introduction & Announcements
0805 - 0850	ICPS-07-17 "Shock Hazard in the Presence of Protective Residual Current Devices", Dr. Massimo Mitolo	ICPS-07-26 "Investigation of Input Harmonic Distortions of Variable Frequency Drives", Xiaodong Liang , Yilmaz Luy, Don O. Koval
0855 - 0940	ICPS-07-18 "Shall Masts and Metals Structures Supporting Antennae be Grounded", Dr. Massimo Mitolo	ICPS-07-28 "Transitions Maps for Integrity in Operational Procedures of Electrical Installations", Giuseppe Parise , Erling Hesla
0940 - 1000	Break	
1000 - 1045	ICPS-07-19 Level, Class and Prospected Safety Performance of a Lightning Protection System for a Complex of Structures (LPCS) Dr. Giuseppe Parise , Luigi Martirano, Mario Lucheroni	ICPS-07-23 The Modeling and Simulation of the Electromagnetic Interference in Substation Rong Zeng , Jinliang He, Bo Zhang
1050 - 1135	ICPS-07-20 "Electric Arc Behavior: Phase Angle φ -Orbits of I-V Evolution" Giuseppe Parise	ICPS-07-24 "Improve the Stability of Power Hardware-in-the-loop (PHIL) Simulation by Selecting Appropriate Interface Algorithm", W. Ren , M. Steurer, T. L. Baldwin
1135 - 1400	Awards Luncheon	
	Session 7 - Power Systems Engineering Organizer: Peter Sutherland Chair: Andrew Hernandez (Angus Shaw Room)	Session 8 - Codes & Standards Organizer: Daleep Mohla Chair: Bill Anderson (William Tomison Room)
1400 - 1405	Introduction & Announcements	Introduction & Announcements
1405 - 1450	ICPS-07-25 "The Electrical System as a Tandem Bicycle", Akshay S. Patwal	ICPS-07-29 "NFPA 70B Recommended Practice for Electrical Equipment Maintenance", Melvin Sanders , Richard Bingham, Evangelos (Angie) P. Stoyas, P.E. ICPS-07-30 "NFPA 780 Standard for the Installation of Lightning Protection Systems 2007 Edition" Mitchell Guthrie , Donald W. Zipse , Melvin K. Sanders
1450 - 1510	Break	
1510 - 1555	ICPS-07-27 "Direct Introduction of Semicon Layers in XLPE Cable Model", M. Hasheminezhad, M. Vakilian	Panel Session NFPA 70E- 2009 Schedule and panel actions on Key public proposals Daleep Mohla
1510 - 1645		



I&CPS – 2007 TUTORIALS
Tutorial #1
Monday , May 7, 2007 1:00 pm – 4:00 pm (William Tomison Room)
Dynamic Parameter Tuning Based upon System Transient Response
<i>Dr. Farrokh Shokooh, Dr. JJ Dai</i>
Tutorial #2
Thursday , May 10, 2007 8:00 am – 12 noon and 1:00 pm – 5:00 pm (William Tomison Room)
Comprehensive Design of Electrical Installations Integrating System Configuration and Operational Safety Aspects
<i>Erling Hesla, Giuseppe Parise, and Rasheek M. Rifaat</i>
Tutorial #3
Friday , May 11, 2007 8:00 am – 12 noon (William Tomison Room)
Electric Arc Hazard Committee - Electrical Safety and Arc Flash in the Industrial & Commercial Environment
<i>Daniel Roberts</i>
Tutorial #4
Friday, May 11, 2007 1:00 pm – 5:00 pm (William Tomison Room)
Application Guidelines on current Transformer (CT) and Potential Transformers (PT) for both Metering and Protection
<i>Dr. P.K. Sen</i>