



**THE INSTITUTE OF ELECTRICAL AND ELECTRONIC
ENGINEERS, INC.**

INDUSTRY APPLICATION SOCIETY

Industrial and Commercial Power Systems Department

TUESDAY, MAY 6, 2008

	Session 1. Power Systems Engineering-M.O.S. Organizer: Dr. Peter Sutherland Chair: t.b.d.	Session 2. Power Systems Protection Organizer: Rasheek Rifaat Chair: t.b.d.
0800 – 0810	Introduction & Announcements	Introduction & Announcements
0810 – 0855	ICPS-08-1 Understanding NFPA 70E Electrical Safety Requirements <i>Dennis Neitzel</i>	ICPS-08-5 Grounding and Ground Fault Protection of Medium Voltage Industrial Generator, An IEEE/IAS Working Group Report #2 <i>David Shipp</i>
0900 – 0945	ICPS-08-2 Designing out Flash Hazard <i>Bill Anderson</i>	ICPS-08-6 Coordination of Generator Protection with Generator Excitation Control and Generator Capability <i>Chuck Mozina</i>
0945 – 1005	Break	
1010 – 1055	ICPS-08-3 Risk Category 3 or 4? <i>Bill Anderson</i>	ICPS-08-7 Consideration in the Protection of 72 kV Mining and Industrial System with Resistance Grounded Neutral <i>Dr. Rasheek Rifaat</i>
1100 – 1145	ICPS-08-4 Basic Elements of Electro-Forensic Engineering <i>Mr. Nabours</i>	ICPS-08-8 An Introduction to IEEE Std 1458™-2005 "Recommended Practice for the Selection, Field Testing, and Life Expectancy of Molded Case Circuit Breakers for Industry Applications" <i>Gary Donner & Clive Kimblin</i>
	Lunch Break	
	Session 3. Power Systems Engineering-Power Quality Organizer: Dr. Peter Sutherland Chair: t.b.d.	Session 4. Energy Systems Organizer: Dr. Wei-Jen Lee Chair: t.b.d.
1300 – 1305	Introduction & Announcements	Introduction & Announcements
1305 – 1350	ICPS-08-9 Monitoring Classifier for Power Quality Discrimination Using Wavelet-Grey Relational Analysis <i>Dr. Lin</i>	ICPS-08-12 The Application of Droop-Control in Distributed Energy Resources to Extend the Voltage Collapse Margin <i>Shawn Henry, D. Tom Rizy, Thomas L. Baldwin, John D. Kueck, and Fangxing Li</i>
1355 – 1440	ICPS-08-10 Investigation of Non-Linear Devices Modeled as a Harmonic Current Source <i>Xiaodong Liang and William Jackson</i>	ICPS-08-13 Voltage Profile Estimation and Control of the Distribution Feeder <i>David Chessmore, Wei-Jen Lee, William E. Muston, Alan Bern, Larry Kohrmann, Tom Anthony, and Frank Daniel</i>
1440 – 1500	Break	
1500 – 1545	ICPS-08-11 Harmonic Filter Design for Mixed Single-Phase Three-Phase Load <i>Dr. Peter Sutherland</i>	ICPS-08-14 Multi-Region Load Forecasting for System with Large Geographical Area <i>Shu Fan, Kittipong Methaprayoon, and Wei-Jen Lee</i>
1550 – 1635	OPEN	ICPS-08-15 Short-term Load Forecasting Using Comprehensive Combination based on Multi- Meteorological Information <i>Shu Fan, Luonan Chen, and Wei-Jen Lee</i>



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WEDNESDAY, MAY 7, 2008

	Session 5. Power Systems Engineering-Reliability Organizer: Peter Sutherland Chair: t.b.d.	Session 6. Power Systems Protection Organizer: Rasheek Rifaat Chair: t.b.d.
0800 – 0810	Introduction & Announcements	Introduction & Announcements
0810 – 0855	ICPS-08-16 Reliability and Cost Comparison of Power Distribution Configurations Van Wagner	ICPS-08-20 A New Approach to Low-Voltage Circuit Breaker Short-Circuit Selective Coordination Ed Larsen
0900 – 0945	ICPS-08-17 Reliability Evaluation of a Wind-Diesel-Battery Hybrid Power System Dr. Don Koval	ICPS-08-21 Selective Coordination in Low-Voltage Power Distribution Systems: Is the Level Important? Ed Larsen and Jim Degnan
0945 – 1005	Break	
1010 – 1055	ICPS-08-18 Reliability Analysis of Utility Supplies Dr. Don Koval	ICPS-08-22 Ground Fault Protection in Low Voltage Solidly Grounded Wye Systems, Need for Protection and the Need for Reliability Marcelo Valdes
1100 – 1145	ICPS-08-19 Electric Motor Standards, Ecodesign and Global Market Transformation Dr. Anibal T. de Almeida, Fernando J. T. E. Ferreira, João Fong, and Conrad U. Brunner	ICPS-08-23 Zone Based Protection for Low Voltage Systems; Zone Selective Interlocking, Bus Differential and the Single processor concept Marcelo Valdes
	Awards Banquet	
	Session 7. Power Systems Engineering-Analysis Organizer: Peter Sutherland Chair: t.b.d.	Session 8. Energy Systems Organizer: Dr. Wei-Jen Lee Chair: t.b.d.
1400 – 1405	Introduction & Announcements	Introduction & Announcements
1405 – 1450	ICPS-08-24 An Effective Method for Evaluating the Accuracy of Power Hardware-in-the-Loop Simulations Dr. Wei Ren, M. Steurer, and Thomas L. Baldwin	ICPS-08-26 Implementation and Analysis of an Improved Series-Loaded Resonant DC-DC Converter Operating Above Resonance for Battery Chargers Ying-Chun Chuang, Yu-Lung Ke, Hung-Shiang Chuang, and Hung-Kun Chen
1455 – 1540	ICPS-08-25 On Modeling Utility Substations Equivalent Source Dr. Massimo Mitolo and David G. Fredericks	ICPS-08-27 Implementation of a PV Powered Battery Energy Storage System Driving an Electronic Ballast Ying-Chun Chuang, Yu-Lung Ke, and Mu-Lin Chou
1540 – 1600	Break	
1600 – 1645	OPEN	OPEN