

Technical Program
Tuesday, May 5, 2009
Morning Session 1 - Stephen Room A&B

Energy Systems Committee
Session Organizer: Wei-Jen Lee
Session Chair: Wei-Jen Lee

<u>Time</u>	<u>Paper Title & Author(s)</u>
8:00am	Introduction and Announcements
8:05am	“Design of PLC based identifier to support transformer load management in Taipower”, C. S. Chen , <i>T. T. Ku, C.H. Lin</i> [2008-ESC-247]
8:55am	“Electronic Ballasts Driven by Hybrid Source Using Microprocessor-Controlled Digital Switching Technique”, Ying-Chun Chuang , <i>Hung-Shiang Chuang, Yu-Lung Ke, Mu-Lin Chou</i> [2008-ESC-248]
9:40am - 10:00am: BREAK	
10:00am	“Implementation of High Efficiency Battery Charger with Zero-Voltage-Transition Pulse-Width-Modulated Boost Converter”, Yu-Lung Ke , <i>Ying-Chun Chuang, Mu-Shi Chen</i> [2008-ESC-249]
10:50am	“Impact of Building Automation, Controls and Building Management on Energy Performance of Lighting Systems”, Giuseppe Parise , <i>Luigi Martirano</i> [2008-ESC-250]
11:45am - 1:00pm LUNCH BREAK	

Afternoon Session 3 – Stephen Room A&B

Energy Systems Committee
Session Organizer: Wei-Jen Lee
Session Chair: Joseph Weber

<u>Time</u>	<u>Paper Title & Author(s)</u>
1:00pm	Introduction and Announcements
1:05pm	“Minimization of Energy Storage Requirements for a Mixed Renewable System with Demand-Side Management”, Anibal T. de Almeida , <i>Pedro Moura</i> [2008-ESC-251]
1:55pm	“Analysis of a Commercial Wind Farm in Taiwan Part I: Measurement Results and Simulations”, Li Wang , <i>Tai-Her Yeh, Wei-Jen Lee, Zhe Chen</i> [2008-ESC-252]
2:40pm - 3:00pm: BREAK	
3:00pm	“Analysis of a Commercial Wind Farm in Taiwan Part II: Effects of Variable Current-Limit Reactors and Load Tap Changers”, Li Wang , <i>Tai-Her Yeh, Wei-Jen Lee</i> [2008-ESC-253]
3:50pm	“Multi-Region Short-term Load Forecasting in Consideration of Heat Index and Load/Weather Diversity”, Wen-Chen Chu , <i>Yi-Ping Chen, Zheng-Wei Xu, Wei-Jen Lee</i> [2008-ESC-254]
4: 35 pm : Get Ready to board the bus for the Social Evening	

Technical Program
Tuesday, May 5, 2009
Morning Session 2 – Doll/Herald Rooms

Power System Protection Committee

Session Organizer: Rasheek Rifaat

Session Chair: Rob Hoerauf

Paper Title & Author(s)

- 8:00am Introduction and Announcements
- 8:05am “Lessons Learned from Generator Tripping Events at Industrial Facilities”,
Charles Mozina [2008-PSPC-245]
- 8:55am “Power Systems Protection in an Oil Field Distribution System”, **Xiaodong Liang, Jeffrey Lim** [2008-PSPC-228]

9:40am - 10:00am: BREAK

- 10:00am “Selectivity Analysis in Power Distribution Systems with Fuses and Circuit Breakers”, **Marcelo Valdes** Cindy Cline, Steve Hansen, Tom Papallo [2008-PSPC-224]
- 10:50am “Method for Determining Selective Capability of Current-Limiting Overcurrent Devices Using Peak-Let-Through Current”, **Marcelo Valdes**, Andrew Crabtree, Tom Papallo [2008-PSPC-225]

11:45am – 1:00pm LUNCH BREAK

Afternoon Session 4 – Doll/Herald Rooms

Power System Engineering Committee

Session Organizer: Andrew Hernandez

Session Chair: JJ Dai

Paper Title & Author(s)

- 1:00pm Introduction and Announcements
- 1:05pm “Stability Analysis of High-Power DC Grids”,
Florian Mura Christophe Meyer, Rik De Doncker [2008-PSEC-268]
- 1:55pm “Generator Capability Study for Offshore Oil Platform”,
Peter Sutherland [2008-PSEC-269]

2:40pm - 3:00pm: BREAK

- 3:00pm “Genetic Code of Electrical Operational Procedures: lockout Systems, Simulators and Training”
Giuseppe Parise, Erling Hesla, Rasheek Rifaat [2008-PSEC-271]
- 3:50pm “Closer look at shore-to-ship power supply grounding”,
Dev Paul, B. Chavdarian [2008-PSEC-275]

4: 35 pm : Get Ready to board the bus for the Social Evening

Technical Program
Wednesday, May 6, 2009
Morning Session 5 - Stephen Room A&B

Power System Protection Committee

Session Organizer: Rasheek Rifaat

Session Chair: Chuck Mozina

<u>Time</u>	<u>Paper Title & Author(s)</u>
8:00am	Introduction and Announcements
8:05am	“Experience with 100% Stator Ground Fault Protection Schemes”, Chuck Mozina [2008-PSPC-246]
8:55am	“Design of a High-Speed Motor Bus Transfer System”, Murty Yalla [2008-PSPC-227]

9:40am - 10:00am: BREAK

10:00am	“Add Trip Security to Arc Flash Detection for Safety and Reliability”, Mark Zeller , Gary Scheer [2008-PSPC-241]
10:50am	“The 2008 Revision of IEEE C37.2 Standard for Electrical Power System Device Function Numbers, Acronyms, and Contact Designations”, John T. Tengdin [2009-PSPC-027]

11:45am - 2:00pm AWARDS LUNCHEON

Afternoon Session 7 - Stephen Room A&B

Energy Systems Committee

Session Organizer: Joseph Weber

Session Chair: Wei-Jen Lee

<u>Time</u>	<u>Paper Title & Author(s)</u>
2:00pm	Introduction and Announcements
2:05pm	“Mexican Refineries Upgrading of the Electrical Power System” L.I. Ruiz , J. Garcia, A. Garcia, G. Taboada [2008-PSEC-276]

2:50pm – 3:10pm BREAK

3:10pm	“Enabling Customer Demand and Budget Management in the Real-Time Pricing Environment”, <i>Supun Tiptipakorn</i> , Wei-Jen Lee, Li Wang [2008-ESC-255]
4:00pm	“Analysis of commutation torque ripple using different PWM modes in BLDC Motor”, H.S. Chuang , Yu-Lung Ke, Ying-Chun Chuang, [2008-ESC-256]

Technical Program
Wednesday, May 6, 2009
Morning Session 6 – Doll/Herald Room A/B

Power System Engineering Committee

Session Organizer: Andrew Hernandez

Session Chair: Bill Braun

Paper Title & Author(s)

- 8:00am Introduction and Announcements
- 8:05am “Safe Working Practices near Overhead Lines”, ***Erling Hesla*** [2008-PSEC-270]
- 8:55am “Assessment of transmission line common mode, station originated and fault types forced outage rates”, ***Don Koval***, A.A. Chowdhury [2008-PSEC-273]

9:40am - 10:00am: BREAK

- 10:00am “Quantitative/ adequacy assessment of transmission systems”, A.A. Chowdhury, ***Don Koval*** [2008-PSEC-274]
- 10:50am “Sub-sea Cables Application in Electrical Submersible Pump Systems”, ***Xiaodong Liang***, S.O. Faried [2008-PSEC-272]

11:45am - 2:00pm AWARDS LUNCHEON

Afternoon Session 8 – Doll/Herald Room A/B

Codes and Standards Committee

Session Organizer: Bill Anderson

Session Chair: Bill Anderson

Paper Title & Author(s)

- 2:00pm Introduction and Announcements
- 2:05pm Standards for Super-Premium Efficiency Class for Electric Motors”
Anibal T. de Almeida [2009-CSC-035]

2:50pm – 3:10pm BREAK

Panel Session – Doll/Herald Room A/B

Power Systems Engineering

Session Organizer: Thomas Baldwin

Session Chair: Saad Malik

- 3:10pm Grounding Practices Panel Discussion “Concrete Encapsulated Electrodes”
part 1 *Thomas Baldwin, Saad Malik, Rasheek Rifaat, George Morlidge*
- 4:00pm Grounding Practices Panel Discussion “Concrete Encapsulated Electrodes”
part 2 *Thomas Baldwin, Saad Malik, Rasheek Rifaat, George Morlidge*