



Conference Initial Program

Industrial & Commercial Power Systems Technical Conference I&CPS 2016
Committee Meetings, Technical paper/Panel Sessions & Tutorials (Page 1 of 5)

Rev: P4 (Mar 06, 2016)

ARRIVAL OF ATTENDEES

Early Committee Meetings:

Time/Date/Location	May 1, 2016 (Sunday)		
	Cascade A	Cascade B	Skyline A
12:00Noon- 1:00PM			
01:00 – 2:30 PM			TBCC Committee Meeting
3:00 –4:30 PM		PSP Generator Grounding WG	TBCC First Principles WG
4:30-5:00PM			
6:00-8:00 PM	Welcome Reception at the Detroit Marriott at the Renaissance Center, at 42 Degrees North Meeting Room		

**Registration:
 Cascade Foyer
 Noon- 5PM**

Program Abbreviations:

- ESC: Energy Systems Committee
- PSEC: Power System Engineering Committee
- PSPC: Power System Protection Committee
- SC: Sub-Committee
- S {N}: Session Number {N}
- S Organizer: Session Organizer
- S Chair: Session Chair



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Time/Date/Location	May 2, 2016 (Monday)				Registration: Cascade Foyer 8:00AM – 5:00PM	Spouse : Board Room 8:00 AM- 4:00PM	Conference Admin Office: TBD
	Cascade A	Cascade B	Skyline A	Cascade C			
08:00 – 9:00AM	TBCC PS Design WG	TBCC Protection & Coordination WG	TBCC Reliability WG	TBCC Power System Analysis WG			
09:00 – 9:30AM		PSE Ports & Harbors SC					
9:30 – 10:00 AM	Coffee Break Cascade Foyer						
10:00 – 11:00 AM	PSE Forensics SC	PSE Emergency/Standby SubComm	PSE/ Education and Health Care Sub committee	TBCC Grounding WG			
11:00 – 11:30 AM	PSE Power System Analysis SubComm	PSP Surge Protection SubComm	PSE Safety, Operations SC	TBCC MOS WG			
11:30AM – 12:00 PM		PSP Communication WG	PSE Reliability SC	PSE Grounding SC			
12:00 – 1:00 PM			I&CPS Technical Program Com				
1:00 – 1:30 PM	PSE Power Quality SC	PSP Low Voltage SubComm	I&CPS Meetings Com				
1:30 – 2:00 PM		PSP MV SubComm	PSE Power System Design SC				
2:00 – 2:30 PM	Coffee Break Cascade Foyer						
2:30 – 3:30 PM	PSE Main Committee Meeting	PSP Main Committee Meeting					
3:30 – 4:30 PM	Energy Systems Committee Meeting	Codes & Standards Committee					
4:30 – 5:00 PM			TBCC Committee Meeting2				
5:00 – 6:00 PM			Department Operating Committee				
7:30-10:00 PM	Hospitality Suites						



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Time/Date	May 3, 2016 (Tuesday)		
07:00 – 8:00 AM	Welcome and Opening Remarks and Conference Attendees Breakfast Cascade C/D		
	Skyline A	Cascade A	Cascade B
Comm/Session	ESC- S1 – S. Organizer: J.Weber S. Chair	PSPC, S2- S.Organizer: R Hoerauf S. Chair Ed Larsen	PSEC, S3, S. Organizer: K. Saylor S. Chair M. Mitolo
8:00 – 8:40 AM	Overview on Energy Saving Opportunities in Electric Motor Driven Systems – Part 1: System Efficiency Improvement (Almeida) [ES72]	Developing and Testing a Digital Interconnection Protection for Grid-Connected WECSs (Meng)[PSP54]	Safety Against Burns from Hot Touchable Parts of Electrical Equipment (Mitolo) [PSE26]
8:40 – 9:20 AM	Overview on Energy Saving Opportunities in Electric Motor Driven Systems – Part 2: Regeneration and Output Power Reduction (Almeida)[ES71]	The Development and Testing of a Coordinated Anti-Islanding Protection for Collector Systems with Multiple Distributed Generation Units (Saleh) [PSP50]	Interactions between Cathodically Protected Pipelines and Grounding Systems (Mitolo) [PSE25]
9:20 – 10:00 AM	Gradient Descent Observer for On-Line Battery Parameter and State Coestimation (Kruger) [ES79]	Design of Special Protection System for an Offshore Island with High PV Penetration (Lin) [PSP48]	Discharge Characteristics of Trapped Charge in Power Lines with Underground Cable and Overhead Line Segments (Rahimi) [PSE21]
10:00–10:30 AM	Coffee Break Cascade Foyer		
10:30 – 11:10AM	Experimental Study and performance Evaluation of the Renewable Energy Conversion Systems under Realistic Grid Conditions Using RTDS(Muyeen)[ES80]	Vector and Directions of a Bolted Phase-Ground Fault Current in a High-Resistance Grounded (HRG) Power System (Dev) [PSP52]	Customized Electrical Systems: The Special Case Of The Colosseum (Parise) [PSE24]
11:10 – 11:50AM	Photovoltaic Powered Ventilation for Climate Control in Electric Vehicles (Kolhe)[ES78]	Including Soil Drying Time in Cable Ampacity Calculations (Malmedal) [PSP133]	The In-Op Design Of Electrical Distribution Systems (Parise) [PSE31]
12:00 – 1:00PM	Lunch on Own		
Comm/Session	ESC- S4 – S 2, S Organizer: J.Weber Session Chair	PSPC- S5, S. Organizer: R Hoerauf S. Chair: R. Hoerauf	PSEC – S 6, S. Organizer: K. Saylor S. Chair S. Panetta
1:00 – 1:40PM	Impact Analysis of Large PV Integration: Case Studies in Taiwan (Wu) [ES73]	Considerations for Differential Protection in LV Buses (Valdes) [PSP56]	Innovative Design and Feasibility Study for a Subsea Electrical Submersible Pump System (Liang) [PSE24]
1:40 – 2:20PM	A Modified Higher Order Power Filter for Renewable Interconnection into the Grid (Sarwat) [ES69]	IEEE 3004.5 Recommended Practice for the Application of Low-Voltage Circuit Breakers in Industrial and Commercial Power Systems (Larsen) [PSP132]	A New Composite Load Model Structure for Industrial Facilities (Liang) [PSE20]
2:20 – 3:00PM	Efficiency Gap between AC and DC Electrical Power Distribution System (Brenquier) [ES76]	Ground Fault Protection of Personnel in Industrial Locations Using the New UL 943C (El-Sherif) [PSP178]	The Development and Formation of Power Flow Using d-q Reference Frame Components (Saleh) [PSE27]
3:00 – 3:30 PM	Coffee Break Cascade Foyer		
3:30 – 4:10 PM	The Effect of the Types of Network Topologies on Non-Technical Losses in Electricity Distribution Systems (Yorukoglu)[ES70]	Protection of Medium Voltage SCR Driven Soft-Starter from High Frequency Switching Transients (Damjanovic) [PSP22]	Coherency Identification and Oscillation Damping Effects of PSS in Interconnected Power System: A Comparative Analysis Approach (Kolhe) [PSE37]
4:10 – 4:50 PM			Comprehensive Modeling, Simulation and Experimental Validation of Permanent Magnet Synchronous Generator Wind Power System (Zou) [PSE33]
6:00-9:00 PM	Social Evening - Dinner in Cascade B, C and D (Dinner at 6:30PM, Band at 7:30PM)		

Registration: Cascade Foyer (8:00AM-5:00PM)

Spouse : Board Room 8:00AM-4:00PM)

Conference Admin Office: TBD



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Time/Date	May 4, 2016 (Wednesday)				
07:00 – 8:00 AM	Author and Attendees Breakfast <i>Cascade C/D</i>				
	Skyline A	Cascade A	Cascade B		
<i>Committee/Session</i>	<i>PSEC – S7,, S. Organizer: K. Saylor S. Chair S. Panetta</i>	<i>PSP/ESC/PSE Joint S8: S. Organizer: S. Chair W-J Lee</i>	<i>PSEC S 9, S. Organizer: K. Saylor S. Chair: K. Saylor</i>		
8:00 – 8:40 AM	Refrigerated Containers Parks Typical Case Of Electrical Systems With Structured Distributed Loads (Parise) [PSE32]	Performance Evaluation of Optimal Photovoltaic-Electrolyser System with the Purpose of Maximum Hydrogen Storage (Sarwat) [ES74]	Integrating Arc-flash PPE Categories in Protection Device Coordination Based on IEEE Std. 1584 and NFPA 70E (Salihi) [PSE34]		
8:40 – 9:20 AM	Innovations in a Container Terminal Area and Electrical Power Distribution for the Service Continuity (Parise) [PSE30]	Prioritized Coordinated Reactive Power Control of Wind Farms Involving STATCOM Using Multi-Objective Optimization (Sarwat) [ES75]	Electrical Hazard Assessments – Do I Still Need to do Them? (Neitzel) [PSE36]		
9:20– 9:50 AM	Coffee Break <i>Cascade Foyer</i>				
9:50 – 10:30AM	Evaluation of Control Methods to Prevent Prime-mover Stalling in a Mixed Source Microgrid (Illindala) [PSE41]	A Case Study of Voltage Transformer Failures in a Modern Data Center: Analysis, Mitigation, and Solution Implementation (Abdelazim) [PSP51]	3D Magnetohydrodynamic Modeling of DC Arc in Power System (Rau) [PSE42]		
10:30 – 11:10AM	Optimal Operation of Multiple DGs in DC Distribution System to Improve System Efficiency (Lee) [PSE40]	Automatic System for Detection Critical Conditions in Overhead Lines Distribution Insulators Based on Leakage Current Analysis (Faramarzi) [PSE35]	Analysis of Measured Power-Quality Results of Kuan-Yuan Onshore Wind Farm in Taiwan (Wang) [PSE45]		
11:30A– 1:30PM	Award Luncheon <i>Cascade B/C/D</i>				
<i>Committee/Session</i>	<i>Panel Session: Forensic Engineering for I&C Power Systems, Session Chair: M. Mitolo</i>	<i>PSEC – S6, Session Organizer: K. Saylor Session Chair: B. Schuerger</i>	<i>PSEC – S7 Session Organizer: K. Saylor Session Chair: K. Saylor</i>		
1:40 – 2:20PM	The Forensic Electrical Engineer (Parise) [PSE29]	AC vs. DC Over-Potential Testing of AC Equipment (Schuerger) [PSE38]	Stability and Power-Flow Control of a Multi-machine Power System Connected with a Hybrid Offshore Wind Farm Using a Unified Power-Flow Controller (Wang) [PSE43]		
2:20 – 3:00PM	Panel Discussion & Presentations	Determining Reliability of Low Voltage Transfer Switches (Weber) [PSE39]	Small-Signal Stability of a Grid-Connected Tidal Power-Generation System as Affected by System-Parameter Variations (Wang) [PSE44]		
3:00 – 3:30 PM	Coffee Break <i>Cascade Foyer</i>				
3:30 – 4:10 PM	Panel Discussion & Presentations	Evaluation of Power Transformer Losses Measurements Methods Under Nonlinear Load Conditions (Damjanovic) [PSE22]	Improvement of Power Quality by using Advanced Reactive Power Compensation(Liu) [PSE23]		
7:30-10:00 PM	Hospitality Suites				

Registration: Cascade Foyer (8:00AM-5:00PM)

Spouse : Board Room (8:00AM-4:00PM)

Conference Admin Office: TBD



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Time\Date		May 5, 2016 (Thursday)			
		Cascade A/B	Cascade C/D		
07:00 – 8:00 AM	Breakfast (On Own)				
8:00 – 9:45 AM	Operation, Maintenance and Safety of Industrial & Commercial Power Systems and the application of IEEE STD Series 3007; Tutorial Organizer: E.Hesla	Negotiating Rates When Increasing Service Tutorial Organizer: Joseph Moylan		GM Detroit-Hamtramck Technical tour 8:30-AM-10:00AM Bus Leaves Hotel at 8:00AM Bus Leaves Plant at 10:15 AM	Registration: Cascade Foyer (8:00AM-Noon) Conference Admin Office: TBD
9:45– 10:45 AM	Coffee Break Cascade Foyer				
10:45– 12:00 PM	Operation, Maintenance and Safety of Industrial & Commercial Power Systems and the application of IEEE STD Series 3007; Tutorial Organizer: [E.Hesla]	Submittal of a Successful Nomination for an IEEE Fellow Tutorial Organizer: William Moylan		GM Detroit-Hamtramck Technical tour 11:30-AM-1:00PM Bus Leaves Hotel at 11:00AM Bus Leaves Plant at 1:15 PM	
12:00 – 1:00PM	Lunch (On Own)				
1:00 – 2:45PM	Operation, Maintenance and Safety of Industrial & Commercial Power Systems and the application of IEEE STD Series 3007; Tutorial Organizer : [E.Hesla]	Introductions to Microgrids [Van Wagner]			
2:45 – 3:15PM	Coffee Break Cascade Foyer				
3:15 – 5:00 PM	Operation, Maintenance and Safety of Industrial & Commercial Power Systems and the application of IEEE STD Series 3007; Tutorial Organizer : [E.Hesla]	Introductions to Microgrids [Van Wagner]			