

Legend	
I & CPS Meetings	
Working Group Meeting	
Papers	
Breaks	
Breaks, 'On your own'	
Recommitee meeting	

**Sunday May 7**

6:00 PM	7:30 PM	<b>Welcome Reception</b>	Rainbow Room 10th Floor
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**Monday May 8, 2017**

ESC Session 1		PSPC Session 1		PSEC Session 1	
Room: Canadian Room A; 5th Floor		Room: Canadian Room B; 5th Floor		Room: King George; 5th Floor	
Session Organizer: Wei-Jen Lee, University of Texas at Arlington		Session Organizer: Rob Hoerauf, Hoerauf Consulting		Session Organizer: Sergio Panetta, I-Gard Corp.	
Session Chair: Mahesh S. Illindala, Ohio State University		Session Chair: Rob Hoerauf, Hoerauf Consulting		Session Chair: Kent Saylor, P2S Engineering	
8:00 AM	8:40 AM	32 2017-ESC-0117 Flexible Scheduling of Microgrid with Uncertainties Considering Expectation and Robustness Yuanzheng Li	39 2017-PSPC-0102 Disturbance-Estimator Predictive Current Controller for 1φ Interconnected PV Systems Halder Razaq	45 2017-PSEC-0075 Substation Capacity Planning Using a Practical Reliability Method Ali Chowdhury	
8:40 AM	9:20 AM	33 2017-ESC-0122 Microgrid modular design for Tribal Healthcare facilities: Kayenta Health Center PV system case study Samuel Vega Cotto	40 2017-PSPC-0101 Digital Modular Protection for Grid-Connected PMG-Based WECSs with Battery Storage Systems Ryan Meng	46 2017-PSEC-0078 Load sharing of a droop-controlled PV source in islanded microgrids using Monte Carlo Simulation Gonzalo E. Constante-Flores	
9:20 AM	10:00 AM	34 2017-ESC-0124 Medium-term Operation Strategy for a Grid-connected Microgrid via Minimax Regret Optimization Zhaohao Ding	41 2017-PSPC-0104 Impact of Sub Synchronous Resonance on operation of protective relays and prevention method Salman Rezaei	47 2017-PSEC-0070 The Bus-Split Method for Residential Load Aggregation Petrus Pijnenburg	
10:00 AM	10:30 AM	Coffee			
10:30 AM	11:10 AM	35 2017-ESC-0115 Optimal Design and Planning of Energy Storage Systems for Shipboard Power Systems Kexing Lai	57 2017-PSEC-0062 Phasor Diagram of a Single-Phase-Ground Fault Current in a High-Resistance Grounded (HRRG) Power System Dev Paul	63 2017-PSEC-0086 An Analytical Method for Wind Energy Potential, Reliability, and Cost Assessment for Wind Generation Systems Xiaodong Liang	
11:10 AM	11:50 AM	36 2017-ESC-0114 Demand side management in mixed residential/commercial buildings with PV on site generation Luigi Maritano	42 2017-PSPC-0106 Experimental Evaluation of Switching Induced Transformer Resonance Mitigation Van Wagner	48 2017-PSEC-0077 An Integrated Generation-Consumption Dispatch Based on Mechanism Design Yu min Zhang	
11:50 AM	12:30 PM	0	43 2017-PSPC-0103 Preventive Control Strategy for a Micro Grid That Supports System Flexibility, Renewable Power Forecasting, Demand Response and Economic Dispatch Yuan-Kang Wu	49 2017-PSEC-0087 A Novel Approach to Improve Model Generalization Ability in Dynamic Equivalent of Active Distribution Network Zhenyuan Zhang	
12:30 PM	1:30 PM	Lunch On your OWN			
Room: Canadian Room A; 5th Floor		Room: Canadian Room B; 5th Floor		Room: King George; 5th Floor	
1:30 PM	2:00 PM	24 TBCC coordination	2 PSE: Power System Design SC	4 PSE: Power System Grounding SC	
2:00 PM	2:30 PM	24 TBCC coordination	6 Power System Emergency, Stand-By Power and Energy Management Systems SC	5 Power System Maintenance-Operation-Safety SC	
2:30 PM	3:00 PM	3 PSE: Power System Analysis SC	6 Power System Emergency, Stand-By Power and Energy Management Systems SC	7 Power Systems Reliability SC	
3:00 PM	3:30 PM	Coffee			
3:30 PM	4:00 PM	29 Power System Protection and Coordination WG	31 Power Systems Reliability WG	26 Power System Design WG	
4:00 PM	4:30 PM	29 Power System Protection and Coordination WG	31 Power Systems Reliability WG	26 Power System Design WG	
4:30 PM	5:00 PM	27 Power System Analysis WG	28 Power System Grounding WG	31 Power Systems Reliability WG	
5:00 PM	5:30 PM	27 Power System Analysis WG	28 Power System Grounding WG	31 Power Systems Reliability WG	
5:30 PM	8:00 PM	ETAP Hospitality Suite (Brock Room) Second floor			

**Tuesday May 9, 2017**

ESC Session 1		PSPC Session 1		PSEC Session 1	
Room: Canadian Room A; 5th Floor		Room: Canadian Room B; 5th Floor		Room: King George; 5th Floor	
Session Organizer: Wei-Jen Lee, University of Texas at Arlington		Session Organizer: Sergio Panetta, I-Gard Corp., Marcelo Valdes, GE		Session Organizer: Sergio Panetta, I-Gard Corp.	
Session Chair: Yuan-Kang Wu, National Chung-Cheng University		Session Chair: Marcelo Valdez, GE		Session Chair: Fabio Freschi	
8:00 AM	8:30 AM	9 Power System Forensic SC	13 PSP: Low Voltage Protection SC	16 PSP: Generator & Ground Fault Protection of Multiple Generator Installation WG	
8:30 AM	9:00 AM	9 Power System Forensic SC	14 PSP: Medium Voltage Protection SC	16 PSP: Generator & Ground Fault Protection of Multiple Generator Installation WG	
9:00 AM	9:30 AM	11 Power System Education and Healthcare SC	15 PSP: Surge Protection SC	19 ESC: Distributed Energy Resources	
9:30 AM	10:00 AM	11 Power System Education and Healthcare SC	17 PSP: Communication WG	20 ESC	
10:00 AM	10:30 AM	Coffee			
10:30 AM	11:00 AM	0	OPEN	20 ESC	
11:00 AM	11:30 AM	1 PSEC	12 PSPC	18 ESC	
11:30 AM	12:00 PM	1 PSEC	12 PSPC	18 ESC	
12:00 PM	1:00 PM	Lunch On your OWN			
Room: Canadian Room A 5th Floor		Room: Canadian Room B 5th Floor		Room: King George 5th Floor	
Session Organizer: Wei-Jen Lee, University of Texas at Arlington		Session Organizer: Sergio Panetta, I-Gard Corp., Marcelo Valdes, GE		Session Organizer: Sergio Panetta, I-Gard Corp.	
Session Chair: Yuan-Kang Wu, National Chung-Cheng University		Session Chair: Marcelo Valdez, GE		Session Chair: Fabio Freschi	
1:00 PM	1:40 PM	50 2017-ESC-0112 Economics- and Reliability-based Design for an Offshore Wind Farm Yuan-Kang Wu	61 2017-CSC-0127 Identifying the Requirements for Qualified, Unqualified, and Competent Persons Electrical Safety Training Nietzel, Dennis	67 2017-PSEC-0076 Stability Improvement of a Multimachine Power System Connected with a Large-Scale Hybrid Wind-Photovoltaic Farm Using a Supercapacitor LI Wang	
1:40 PM	2:20 PM	51 2017-ESC-0113 Development of a Modified Generic Model of a DFIG-based Wind Turbine Considering Mechanical Transient Yuan-Kang Wu	56 2017-CSC-0129 Misconceptions of Grounding Systems in Industrial and Commercial Power Systems Luis Alberto Salgado	76 2017-PSEC-0063 Electrical Safety of Electric Vehicles Massimo Mitolo	
2:20 PM	3:00 PM	52 2017-ESC-0123 Bounds for Optimal Control of a Regional Plug-In Electric Vehicle Charging Station System Plampoon Sarikprueck	59 2017-CSC-0128 Living with Arc Flash Mitigation Antony Parsons	65 2017-PSEC-0071 Investigation into the Measured Power-Quality Results and Special Output-Limitation Outcomes at Taichung Power Plant's Onshore Wind Farm in Taiwan LI Wang	
3:00 PM	3:30 PM	Coffee			
3:30 PM	4:10 PM	53 2017-ESC-0125 Generation Scheduling Optimization of Wind-Energy Storage System Based on Wind Power Output Fluctuation Features Jie Shi	38 2017-PSPC-0105 Single-Phasing Protection Impact on Line-Operated High-Efficiency Motors Anibal T. de Almeida	84 2017-PSEC-0005 Analysis of causation of a dust explosion in industrial plant Massimo Mitolo	
4:10 PM	4:50 PM	54 2017-ESC-0116 Effectiveness of Zero Pricing in TOU Demand Responses at the Residential Level Long Zhao	58 2017-PSEC-0012 The Equipment Grounding System (EGS) As An Effective Bonding Topology for Telecommunications Environments Ken Michaels	84 2017-PSEC-0082 Frequency Regulation in an Islanded Mixed Source Microgrid Network Abres Mondal	
4:50 PM	5:30 PM	0	66 2017-PSEC-0072 Special Field Measurement Results of an Onshore Wind Farm Connected to Power Grid of Taiwan Power System Subject to Typhoon Matmo LI Wang	75 2017-PSEC-0061 Use of Capability Curves for the Analysis of Reactive Power Compensation in Solar Farms Eduardo Enrique	
5:30 PM	8:00 PM	MegaResistors Hospitality Suite (Brock Room) Second floor			

**Wednesday May 10, 2017**

ESC Session 3		PSPC Session 4		PSEC Session 5	
Room: Canadian Room A 5th Floor		Room: Canadian Room B 5th Floor		Room: King George 5th Floor	
Session Organizer: Wei-Jen Lee, University of Texas at Arlington		Session Organizer: Sergio Panetta, I-Gard Corp.		Session Organizer: Sergio Panetta, I-Gard Corp.	
Session Chair: Wei-Jen Lee, University of Texas at Arlington		Session Chair: Saleh Saleh; University of New Brunswick		Session Chair: Sergio Panetta, I-Gard Corp.	
8:00 AM	8:30 AM	23 I&CPS	30 Power System Emergency, Stand-By Power and Energy Management Systems WG	29 Power System Protection and Coordination WG	
8:30 AM	9:00 AM	23 I&CPS	30 Power System Emergency, Stand-By Power and Energy Management Systems WG	29 Power System Protection and Coordination WG	
9:00 AM	9:30 AM	21 OPCOM	86 3001.4	OPEN	
9:30 AM	10:00 AM	21 OPCOM	86 3001.4	OPEN	
10:00 AM	10:30 AM	0	Coffee		
10:30 AM	11:00 AM	22 I&CPS Technical Committee	OPEN	OPEN	
11:00 AM	11:30 AM	22 I&CPS Technical Committee	OPEN	OPEN	
11:30 AM	1:30 PM	Awards Lunch'			
1:30 PM	2:10 PM	68 2017-ESC-0111 Energy Savings in Integrated Urban Water Systems: a Case Study Michele Tartaglia	78 2017-PSEC-0065 A New Multi-Level AC-DC Power Electronic Converter for applications in PMG-Based WECSs Xavier Francis St-Onge	44 2017-PSEC-0083 Dynamic Load Modeling for Industrial Facilities Using Template and PSS/E Composite Load Model Structure CLOD Xiaodong Liang	
		69 2017-ESC-0118	79 2017-PSEC-0069	83 2017-PSEC-0080	

2:10 PM	2:50 PM	69	Application of Fuzzy Control to Smart Energy Charging of Electric Vehicles	79	The Experimental Performance of A Multi-Level AC-DC Power Electronic Converter for PMG-Based WECSs	83	A life loss tool for an optimal management in the operation of insulated power cables
		69	Yu-Lung Ke	79	Xavier Francis St-Onge	83	Giuseppe Parise
		70	2017-PSEC-0119	74	2017-PSEC-0085	80	2017-PSEC-0073
2:50 PM	3:30 PM	70	An Online Control Method for Improving Energy Efficiency and Reducing DC Traction Peak Power in A Mass Rapid Transit System	74	Probabilistic Generation and Transmission Planning With Renewable Energy Integration	80	Retrofit Solution of Mitigating 480V Power System Harmonics Generated by the Automated Guided Vehicles' (AGVs) Charging System at the Container Terminal
		70	Yu-Lung Ke	74	Xiaodong Liang	80	Dev Paul
3:30 PM	4:00 PM	Coffee					
		71	2017-ESC-0120	89	2017-PSEC-0079	81	2017-PSEC-0089
		71	Considering Carbon Emissions in Economic Dispatch Planning for Isolated Power Systems	89	A New Way to Be a Forensic Electrical Expert	81	Low-Voltage Shore Connection (LVSC) Power System
4:00 PM	4:40 PM	71	Ming-Tse Kuo	89	Giuseppe Parise	81	Dev Paul
		72	2017-ESC-0121	62	2017-PSEC-0084	82	2017-PSEC-0060
		72	Single-stage Flyback AC-DC Converters of High Energy Efficiency for Commercial LED Dimming Systems	62	Determine L-V Characteristics of Grid Connected Wind Farms for Voltage Control Using Data Driven Analytics Approach	82	Electrical Business Continuity Management: towards a Code
4:40 PM	5:20 PM	72	Ming-Tse Kuo	62	Xiaodong Liang	82	Giuseppe Parise
		0	OPEN	77	2017-PSEC-0064	60	2017-PSEC-0081
5:20 PM	6:00 PM	0		77	Power Controller for PMG-Based WECSs with Battery Storage Systems	60	Common Problems in Commissioning of HRG Systems
		0		77	Ryan McSheffery	60	Michael Pingal
6:00 PM	8:00 PM	MegaResistors Hospitality Suite (Brock Room) Second floor					

#### Thursday May 11, 2017

8:00 AM	12:00 AM	Tutorial 1 CSA Z462 – Workplace Electrical Safety – Upcoming 2018 Edition – Changes and What You Need to Know?	Tutorial 2 IEEE Fellows Program & What improves the Nomination
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