



I & CPS

Industrial & Commercial Power Systems

60th annual IEEE Industrial and Commercial Power Systems (I&CPS) Technical Conference

Connecting Research to Practice



IEEE

*Advancing Technology
for Humanity*

MAY 19-22, 2024

EMBASSY SUITES
4315 UNIVERSITY CENTER DRIVE
LAS VEGAS, NV 89119



Welcome

This is the 60th annual IEEE Industrial and Commercial Power Systems (I&CPS) Technical Conference. The Conference reflects the activities of the I&CPS Department of the Industry Applications Society (IAS) of the IEEE. Over its 60-year history, the conference has been the forum bringing together IAS' experienced engineers and our younger engineers. Many aspects of Industrial & Commercial Power Systems are presented and discussed in relevant papers sponsored by one of the four I&CPS Department Committees participating in this conference (the Rural Committee has a separate technical conference). The Technical Committees participating in this conference are:

- Codes and Standards
- Energy Systems
- Power System Engineering
- Power System Protection

A centerpiece and key activity of this conference is developing and updating one of the most comprehensive series of IEEE Standards on Recommended Practices for Industrial and Commercial Power Systems (formerly known as the 13 Color Books). Standards Series 3000 working groups have assigned panels, presentations, and comments discussion sessions in this conference aimed at completing the review and publication efforts of the set, which articulates many of the best practices for designers and maintainers of industrial and commercial power systems.

We are happy to have you with us and invite you to participate in the standards meetings, paper presentations, and social events.

Thank you for your support!

Thanks to our Sponsors!!

The logo for etap, featuring the word "etap" in a red, lowercase, italicized sans-serif font with a registered trademark symbol (®) at the top right.The logo for Eaton, featuring the word "EATON" in a bold, blue, uppercase sans-serif font. The letter "O" is stylized with a white circle inside.The logo for Marmon Electrical, featuring a stylized blue "M" icon on the left and the text "Marmon Electrical" in a blue sans-serif font on the right. The word "MARMON" is written in smaller letters below the "M" icon.

Conference Leadership

Conference Co-Chairs: Chris Hunter and Kent Saylor



I&CPS Department Roster

Chair	Rob Hoerauf
Vice Chair	Sergio Panetta
Secretary	Saleh Saleh
SDC Chair	Daleep Mohla
Meetings Committee Chair	Daleep Mohla
Power Systems Eng Com. PSEC Chair	Xiaodong Liang
Power Syst. Protection Com. PSPC Chair	Keith Waters
Energy Systems Com. ESC Chair	Allen Wu
Codes and Standards Com (CSC), Chair	JJ Dai
Rural Electric Power Com. (REPC), Chair	Sean Kufel
Awards & Recognition Chair	Andy Hernandez
Fellows & Senior Members Chair	Daleep Mohla
Bylaws	Kent Saylor
Nominations	Kent Saylor
Communications Chair (Webmaster)	Sergio Panetta
Past Chair	Kent Saylor

Thank you for all the work you've put into making this a great conference!



I & CPS

Industrial & Commercial Power Systems

SUNDAY, May 19

TUTORIALS - see detailed agenda, p. 6

REGISTRATION - Stardust room

3:30 PM to 6:30 PM

Come by the registration desk to pick up your conference materials.

RECEPTION - Stardust room

6:00 PM to 8:00 PM

Join us for drinks, appetizers, and a chance to connect or reconnect with colleagues and friends.

MONDAY, May 20 - WEDNESDAY, May 22

REGISTRATION - Riviera room

7:00 AM to 3:30 PM

MORNINGS

Committee Meetings and Working Groups

Student Poster Session (Monday only)

AFTERNOONS

Technical Sessions

Industry Track Presentations (Tues/Wed only)



I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Tutorial, Committee, and Working Group Schedule

SUN, MAY 19	I&CPS Attendee Breakfast	AM Break 10-10:30	I&CPS Luncheon 12:00 pm - 1:00pm	PM Break 3:05-3:35 pm	Welcome Reception 6:00-8:00pm Stardust
8:00 AM	Flamingo I	Flamingo II			
12:00 PM	TUT 1 Tim Coyle AC Motor Protection				
1:00 PM	TUT 3 Marcos Donolo High Impedance Bus Differential Protection	TUT 4 Nehad El-Sherif Ground Fault Protection - Principles and Application			
5:00 PM					
MON, MAY 20	I&CPS Attendee Breakfast	General Session 8:00-9:00 Stardust	AM Break 10-10:30	I&CPS Luncheon 12:00 pm - 1:00pm Cafe	PM Break 3:05-3:35 pm
9:00 AM	Flamingo I	Flamingo II	Tropicana I	Tropicana II	
9:30 AM	MVPSC Saleh Saleh Medium Voltage Protection SC	SDC 3002 Shokooch, Farrookh Power System Analysis Working Group	SDC 3006 Robert Arno Power System Reliability Working Group	PS1 Poster Session with Authors	
10:30 AM	SPSC Dev Paul Surge Protection SC				
11:00 AM	SDC 3004 Rifaat, Rasheek Power System Protection and Coordination Working Group	SDC 3005 Tim Coyle Power System Emergency, Stand-By Power and Energy Management Systems Working Group - 3005 and Emergency, Stand-By Power and Energy Management Systems Subcommittee	PSDSC Sergio Panetta Power System Design SC	PS1 Poster Session with Authors	
11:30 AM			PSASC Sergio Panetta Power System Analysis SC		
12:00 PM			PSGSC Sergio Panetta Power System Grounding SC		
12:00 PM					
TUES, MAY 21	I&CPS Attendee Breakfast	AM Break 10-10:30	I&CPS Luncheon 12:00 pm - 1:00pm Cafe	PM Break 3:05-3:35 pm	Tropicana II
8:00 AM	Flamingo I	Flamingo II	Tropicana I		
8:30 AM	SDC 3007 Ron Widup Power Systems Maintenance, Operation, and, Safety	GGWG Sergio Panetta Generator & Ground Fault Protection of MULT Gen Instal. WG	SDC 3004.1 Rifaat, Rasheek Applications of Instrument Transformers in		
9:00 AM	LVPSC Kliebert, Danny Low Voltage Protection SC	SDC 3003 Sergio Panetta Power System Grounding Working Group	SDC 3004.9 Saleh Saleh Recommended Practice for Transformer		
9:30 AM			SDC 3001 Gary Fox Power System Design		
10:30 AM	EHFSC Mike Anthony Educational and Healthcare Facilities SC	SDC 3004.8 Lorraine Padden Recommended Practice for Motor Protection in Industrial & Commercial Power Systems	DCSC Daleep Mohla DataCenter SC		
11:00 AM	FSC Giuseppe Parise Forensics SC				
11:30 AM	PHSC Giuseppe Parise Ports & Harbors Subcommittee	SDC 3004.5 Keith Waters Applications of LV Circuit Breakers in	C&S JJ Dai Codes and Standards Committee		
11:30 AM					
WED, MAY 22	I&CPS Attendee Breakfast	AM Break 10-10:30	I&CPS Luncheon 12:00 pm - 1:00pm Cafe	PM Break 3:05-3:35 pm	Tropicana II
8:00 AM	Flamingo I	Flamingo II	Tropicana I		
8:30 AM	SDC SDC Main Committee Meeting	ESCCC Donolo, Marcos Energy Systems SC Meetings (Climate Change and Energy Security, Distributed Energy Resources, Microgrids and Virtual Power			
9:00 AM	PSEC Xiaodong Liang Power Systems Engineering Committee	ESC Donolo, Marcos Energy Systems Main Committee Meeting	PSPC Keith Waters Power System Protection Committee		
9:30 AM					
10:30 AM	OPCOM Rob Hoerauf OPCOM				
12:00 PM					

I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Technical Sessions and Paper Presentation Schedule

MONDAY, MAY 20

Flamingo I	
8:00 AM	General Session Stardust
8:30 AM	
9:00 AM	MVPSC Saleh Saleh Medium Voltage Protection SC
9:30 AM	SPSC Dev Paul Surge Protection SC
10:00 AM	AM Break 10-10:30
10:30 AM	SDC 3004 Rifaat, Rasheek Power System Protection and Coordination Working Group
11:00 AM	
11:30 AM	
12:00 PM	I&CPS Luncheon 12:00 pm - 1:00pm Cafe´
	PSEC #1 1:00 pm -5:15 pm Flamingo I Session Chair: Daniel Ihlenfeldt
1:00 PM	2023-ICPSD24-0022 Dai, JJ Practical Approaches to Perform Transient Stability Studies for Industrial and Commercial Power Systems
1:25 PM	2023-ICPSD24-0008 Vallejo, Jose Investigation of Lightning and Grounding Installation Practices that Resulted in a Catastrophic Failure within an LNG Supplied
1:50 PM	2024-ICPSD24-0001 Alsafasfeh, Qais Evaluation of Basic Insulation Level (BIL) Requirements for Distribution-Supplied 38kV Enclosed Switchgear
2:15 PM	2024-ICPSD24-0047 Zhang, Zhenyuan Novel Approach for Arc Grounded Fault Detection Based on Significant Harmonics in Resonant Grounding Distribution Network
2:40 PM	2024-ICPSD24-0048 Zhang, Zhenyuan Analysis of non-contact measurement methods for sag of overhead transmission lines
3:05 PM	Break 3:05 pm - 3:35 pm
3:35 PM	2024-ICPSD24-0058 Abdelazim Mellik, Tamer Analysis of Shunt Reactor Switching at a 115 kV Substation and Its Effects on the Circuit Switcher
4:00 PM	2024-ICPSD24-0055 Martirano, Luigi 3D and 5D Sustainability Performance Assessment in Electrical Systems Planning and Designing
4:25 PM	2024-ICPSD24-0083 Rahman, Syed Determination of 24-Hour EV Hosting Capacity of Qatar’s Utility Grid Considering Existing Load Patterns and Different Charging
4:50 PM	2024-ICPSD24-0012 Parise, Giuseppe Permanent Design Of Power Systems. Currents Impulse: A Characteristic Parameter
6:00 PM	I&CPS Happy Hour at Coconuts 6:00 - 7:30 pm
7:30 PM	

I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Technical Sessions and Paper Presentation Schedule

MONDAY, MAY 20

Flamingo II	
8:00 AM	General Session Stardust
8:30 AM	
9:00 AM	SDC 3002 Shokooh, Farrookh Power System Analysis Working Group
10:00 AM	AM Break 10-10:30
10:30 AM	SDC 3005 Tim Coyle Power System Emergency, Stand-By Power and Energy Management Systems Working Group - 3005 and Emergency, Stand-By
11:00 AM	Power and Energy Management Systems Subcommittee
11:30 AM	
12:00 PM	I&CPS Luncheon 12:00 pm - 1:00pm Cafe
	ESC #1 1:00 pm - 5:15 pm Flamingo II Session Chair: Marcos Donolo
1:00 PM	2024-ICPSD24-0074 Ayaz, Muhammad Ashar How Green Are Electric Vehicles in Developing Countries?
1:25 PM	2024-ICPSD24-0028 Ding, Zhaohao On Demand Response Baseline Estimation for Public Fast Charging Stations
1:50 PM	2024-ICPSD24-0035 Bonfiglio, Andrea Vehicle-to-Home Service Via Electric Vehicle Energy Storage Virtual Partitioning
2:15 PM	2024-ICPSD24-0030 Martirano, Luigi Urban and Non-Urban EV Charging Station Models: 2024 Review
2:40 PM	2024-ICPSD24-0026 Wei, Xuan On Probabilistic Flexible Regulation Capability Forecasting for Electric Vehicles
3:05 PM	Break 3:05 pm - 3:35 pm
3:35 PM	2024-ICPSD24-0033 Liu, Huaisheng Study on the health status of lithium-ion batteries based on relaxation voltage characteristics
4:00 PM	2024-ICPSD24-0043 Lu, Ying Seaport Integrated Energy Management: Leveraging Reversible Solid Oxide Cell Energy System for Sustainable Energy
4:25 PM	2024-ICPSD24-0025 Paul, Dev Energy Shift-Renewables Integration at Major Ports – A Step Forward to Solve Air Pollution
4:50 PM	2024-ICPSD24-0034 Zhang, Hailong Research Review on the Energy Coordination and Carbon Evaluation for Agricultural and Animal Husbandry Zero-carbon Parks
6:00 PM	I&CPS Happy Hour at Coconuts 6:00 - 7:30 pm
7:30 PM	

I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Technical Sessions and Paper Presentation Schedule

MONDAY, MAY 20

Tropicana I	
8:00 AM	General Session Stardust
9:00 AM	
9:00 AM	SDC 3006 Robert Arno Power System Reliability Working Group
10:00 AM	AM Break 10-10:30
10:30 AM	PSDSC Sergio Panetta Power System Design SC
11:00 AM	PSASC Sergio Panetta Power System Analysis SC
11:30 AM	PSGSC Sergio Panetta Power System Grounding SC
12:00 PM	I&CPS Luncheon 12:00 pm - 1:00pm Cafe'
	PSPC #1 1:00 pm - 5:15 pm Tropicana I Session Chair: Saleh Saleh
1:00 PM	2023-ICPSD24-0007 Barnes, Arthur A Review of the GIC Blocker Placement Problem
1:25 PM	2023-ICPSD24-0005 Saleh, Saleh Effects of Grounding Impedance on the Second Harmonic Component Produced by GIC Flows
1:50 PM	2023-ICPSD24-0006 Saleh, Saleh Impacts of Loading Level on Harmonic Distortion in ϕ Auto-Transformers During GIC Flows
2:15 PM	2023-ICPSD24-0004 Saleh, Saleh Second Harmonic-Based Approach to Identify a GIC Flow in Power Transformers
2:40 PM	2024-ICPSD24-0072 Ferreira, Fernando J. T. E. Energy-Efficient Industrial Motor-Driven Systems and Standards Toward Net Zero Carbon
3:05 PM	Break 3:05 pm - 3:35 pm
3:35 PM	2024-ICPSD24-0037 Cao, Jinxin Lightning induced coupling performance of secondary cables in substation with different terminal load and surge injection
4:00 PM	2024-ICPSD24-0004 Liang, Xiaodong Probabilistic Safety Risk Assessment near Transmission Line Structures under Fault Conditions
4:25 PM	2024-ICPSD24-0044 Bellie Subramani, Mohanraj A New Modified Down-sampling DFT based Phasor Estimation Techinque for Power System Protective Relays
4:50 PM	
6:00 PM	I&CPS Happy Hour at Coconuts 6:00 - 7:30 pm
7:30 PM	

I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Technical Sessions and Paper Presentation Schedule

MONDAY, MAY 20

Tropicana II	
8:00 AM	General Session Stardust
8:30 AM	
9:00 AM	PS1 Robert Arno Poster Session with Authors
9:00 AM	
10:00 AM	AM Break 10-10:30
10:30 AM	PS1 Sergio Panetta Poster Session with Authors
11:00 AM	
11:30 AM	
12:00 PM	I&CPS Luncheon 12:00 pm - 1:00pm Cafe'
1:00 PM	PS2 - Poster Session (Authors not Present)
1:25 PM	
1:50 PM	
2:15 PM	
2:40 PM	
3:05 PM	Break 3:05 pm - 3:35 pm
3:35 PM	PS2 - Poster Session (Authors not Present)
4:00 PM	
4:25 PM	
4:50 PM	
5:15 PM	
6:00 PM	I&CPS Happy Hour at Coconuts 6:00 - 7:30 pm
7:30 PM	

I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Technical Sessions and Paper Presentation Schedule

TUESDAY, MAY 21

Flamingo I	
8:00 AM	SDC 3007 Ron Widup Power Systems Maintenance , Operation , and, Safety
8;30 AM	
9:00 AM	LVpsc Kliebert, Danny Low Voltage Protection SC
9:30 AM	
10:00 AM	AM Break 10-10:30
10:30 AM	EHFSC Mike Anthony Educational and Healthcare Facilities SC
11:00 AM	FSC Giuseppe Parise Forensics SC
11:30 AM	PHSC Giuseppe Parise Ports & Harbors Subcommittee
12:00 PM	I&CPS Luncheon 12:00 pm - 1:00pm Cafe´
	PSEC #2 1:00 pm -5:15 pm Flamingo I Session Chair: Luigi Martirano
1:00 PM	2024-ICPSD24-0014 Ciniello, Vincenzo A Review of MVDC Smart Grids Technologies and Components
1:25 PM	2024-ICPSD24-0036 Liang, Xiaodong A Two-Stage Conservation Voltage Reduction Technique in Multi-Energy Systems with PV Smart Inverters
1:50 PM	2024-ICPSD24-0029 Martirano, Luigi Variable Architecture Multi-Island Microgrids for Industrial Plant Expansions
2:15 PM	2023-ICPSD24-0001 Saleh, Saleh One-Node Approach to Implement Smart Grid Functions without Storage Units
2:40 PM	2023-ICPSD24-0002 Saleh, Saleh One-Node Method to Implement Smart Grid Functions Using a Battery Storage System
3:05 PM	Break 3:05 pm - 3:35 pm
3:35 PM	2023-ICPSD24-0017 Enrique, Eduardo Resonant Frequency in Renewable Energy Facilities
4:00 PM	2024-ICPSD24-0005 Cai, Dongsheng A Novel All-phase Fast Fourier Transform-based Parameters Identification of High Frequency Oscillations
4:25 PM	2024-ICPSD24-0049 Bonfiglio, Andrea Renewable Energy Communities Virtual Islanding: A Novel Service for Smart Distribution Networks
4:50 PM	2023-ICPSD24-0021 Wu, Yuan-Kang Novel Frequency Control Technologies for Wind Turbines Based on Modified Gaussian Curve Settings
6:00 PM	I&CPS Happy Hour at Coconuts 6:00 - 7:30 pm
7:30 PM	

I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Technical Sessions and Paper Presentation Schedule

TUESDAY, MAY 21

Flamingo II	
8:00 AM	GGWG Sergio Panetta Generator & Ground Fault Protection of MULT Gen Instal. WG
8:30 AM	
9:00 AM	SDC 3003 Sergio Panetta Power System Grounding Working Group
9:30 AM	
10:00 AM	AM Break 10-10:30
10:30 AM	SDC 3004.8 Lorraine Padden Recommended Practice for Motor Protection in Industrial & Commercial Power Systems
11:00 AM	
11:30 AM	SDC 3004.5 Keith Waters Applications of LV Circuit Breakers in Industrial & Commercial Power Systems
12:00 PM	I&CPS Luncheon 12:00 pm - 1:00pm Cafe´
	ESC #2 1:00 pm - 5:15 pm Flamingo II Session Chair: Marcos Donolo
1:00 PM	2024-ICPSD24-0009 Chu, Chia-Chi Frequency Synchronization in Isolated AC Micro-Grids by Cooperative Distributed Q-Learning
1:25 PM	2024-ICPSD24-0057 Correia, Alexandre Architecture and Operational Control for Resilient Microgrids
1:50 PM	2023-ICPSD24-0009 Mehrjerdi, Hasan Microgrid formation as a resilient strategy for load restoration and preventing voltage collapse
2:15 PM	2023-ICPSD24-0020 Wang, Li Stability Improvement of a Multi-Machine Power System Using a DC Microgrid with a Vanadium Redox Flow Battery-based Energy Storage System
2:40 PM	2024-ICPSD24-0052 Su, Chun-Lien Stochastic Harmonics Evaluation for Offshore Wind Farms Grid Connection Impact Study
3:05 PM	Break 3:05 pm - 3:35 pm
3:35 PM	2024-ICPSD24-0027 Ding, Zhaohao Energy-Aware Data Center Job Scheduling Scheme under Uncertain Environment
4:00 PM	2024-ICPSD24-0020 Ding, Zhaohao Learning Assisted Resilient Load Restoration with Distributed Mobile Resources
4:25 PM	2024-ICPSD24-0019 Su, Chun-Lien Enhancing Resilient Operation of Distributed Energy Resources Using Reliable Machine Learning-based IoT Connectivity
4:50 PM	2024-ICPSD24-0064 Wang, Fei An Aggregated Baseline Load Estimation Method Based on Graph Convolutional Networks Introducing Graph Structure Learning
6:00 PM	I&CPS Happy Hour at Coconuts 6:00 - 7:30 pm
7:30 PM	

I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Technical Sessions and Paper Presentation Schedule

TUESDAY, MAY 21

Tropicana I	
8:00 AM	SDC 3004.1 Rifaat, Rasheek Applications of Instrument Transformers in Industrial & Commercial Power Systems
8:30 AM	SDC 3004.9 Saleh Saleh Recommended Practice for Transformer Protection in Industrial & Commercial Power Systems
9:00 AM	SDC 3001 Gary Fox Power System Design
9:30 AM	
10:00 AM	AM Break 10-10:30
10:30 AM	DCSC Daleep Mohla DataCenter SC
11:00 AM	
11:30 AM	C&S JJ Dai Codes and Standards Committee
12:00 PM	I&CPS Luncheon 12:00 pm - 1:00pm Cafe´
	PSPC #2 1:00 pm - 5:15 pm Tropicana I Session Chair: Danny Kliebert
1:00 PM	2024-ICPSD24-0071 Paul, Dev Update on Transient Surge Arresters (SA) and Insulators At Medium-Voltage Power Distribution System
1:25 PM	2023-ICPSD24-0003 Saleh, Saleh Detecting Arcing Current Faults in Medium-to-Low Voltage Transformers
1:50 PM	2023-ICPSD24-0016 Saleh, Saleh Impedance Grounding for Variable-Frequency Electric Motor drives
2:15 PM	2024-ICPSD24-0015 Sarkar, Tamal Soft start optimization using NTC resistors in fault managed power systems
2:40 PM	2024-ICPSD24-0021 Fengkun Yang Charging pile fault diagnosis method based on BOA-SSA-BP neural network
3:05 PM	Break 3:05 pm - 3:35 pm
3:35 PM	2024-ICPSD24-0059 Cao, Jinxin Observed Induced Overvoltage on the Test Overhead Distribution initiated from Natural Lightning Activities
4:00 PM	2024-ICPSD24-0002 Liang, Xiaodong Modeling and Analysis of Transmission Line Structures Corrosion due to DC Current from Pipeline’s Cathodic Protection
4:25 PM	2024-ICPSD24-0085 Chang, Hsueh-Hsien Fault Type and Location Identifications of the Hybrid Utility Power and Renewable-Energy-Based Multi-Generation Systems
4:50 PM	2024-ICPSD24-0039 Yang, Ming-Ta Apply K-means Cluster Analysis to Perform Adaptive Protection IED in Microgrid
6:00 PM	I&CPS Happy Hour at Coconuts 6:00 - 7:30 pm
7:30 PM	

**I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Technical Sessions and Paper
Presentation Schedule**

TUESDAY, MAY 21

	Tropicana II
8:00 AM	
8:30 AM	
9:00 AM	
9:30 AM	
10:00 AM	AM Break 10-10:30
10:30 AM	
11:00 AM	
11:30 AM	
12:00 PM	I&CPS Luncheon 12:00 pm - 1:00pm Cafe'
	Industrial Track Presentations Tropicana II Session Chair: Rob Hoerauf
1:00 PM	2024-IND-0001 Neeser, Dan Applying Equipment Short Circuit Ratings per the National Electrical Code
1:25 PM	2024-IND-0002 Neeser, Dan Complying with Selective Coordination Requirements in Industrial and Commercial Facilities
1:50 PM	2024-IND-0003 Hoerauf, Rob Large Scale Battery Energy Storage Basics
2:15 PM	2024-IND-0004 Panetta, Sergio Resistance Grounding - Lessons Learned, Case Studies, and Best Practices
2:40 PM	2024-IND-0005 Schaumann, Bill Data Center Power System Redundancy
3:05 PM	Break 3:05 pm - 3:35 pm
3:35 PM	2024-IND-0006 Shipp, David Power System Grounding - Common Methods and Case Histories
4:00 PM	2024-IND-0007 Pourali, Masoud & Arno, Robert IEEE Standard 3006.1 - Recommended Practice for Reliability Planning and Design of Industrial and Commercial Power Systems: An Overview
4:25 PM	2024-IND-0008 Waters, Keith 2023 National Electrical Code (NEC®) Changes - Part 1
4:50 PM	2024-IND-0009 Waters, Keith 2023 National Electrical Code (NEC®) Changes - Part 2
6:00 PM	I&CPS Happy Hour at Coconuts 6:00 - 7:30 pm
7:30 PM	

I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Technical Sessions and Paper Presentation Schedule

WEDNESDAY, MAY 22

Flamingo I	
8:00 AM	SDC - SDC Main Committee Meeting
8:30 AM	
9:00 AM	PSEC Xiaodong Liang Power Systems Engineering Committee
9:30 AM	
10:00 AM	AM Break 10-10:30
10:30 AM	OPCOM Rob Hoerauf OPCOM
11:00 AM	
11:30 AM	
12:00 PM	I&CPS Luncheon 12:00 pm - 1:00pm Cafe
	PSEC #3 1:00 pm -6:15 pm Flamingo I Session Chair: Kent Saylor
1:00 PM	2024-ICPSD24-0013 Parise, Giuseppe A Proposed Guide For The Energy Plan And Electrical Infrastructure Of A Port
1:25 PM	2024-ICPSD24-0017 Su, Chun-Lien A Comprehensive Review on Roadmap to Seaports: Methodologies, Area of Use, and Purposes
1:50 PM	2024-ICPSD24-0016 Su, Chun-Lien Offshore Wind-Powered Seaport DC Microgrids with EV Stations Using Model Predictive Control
2:15 PM	2023-ICPSD24-0018 Delavari, Atieh Different Convergence Strategies for Power Flow Stability Enhancement in Difficult Non-convergent Cases: A Simulation-based
2:40 PM	2024-ICPSD24-0007 Galasso, Alessandro A Prototype of Smart Clock and Load Consumption Buzzer: PowerAlert
3:05 PM	Break 3:05 pm - 3:35 pm
3:35 PM	2024-ICPSD24-0050 Lin, Yu-Jen Experiences Learned from Load Modeling and Applications for Taiwan Power Systems
4:00 PM	2024-ICPSD24-0068 Wang, Fei A Regional Short-term Load Forecasting Method Based on Adaptive Graph Construction and Kernel Size Selection
4:25 PM	2024-ICPSD24-0061 Cao, Jinxin Analysis of Fault Potential Assessment under Typical Line-fault in a Real Urban Old Community
4:50 PM	2024-ICPSD24-0081 Yuan, Yiping Long-Term Clustered Unit Commitment Considering Lack-of-Inertia and Lack-of-Flexiramp Requirements
6:00 PM	I&CPS Happy Hour at Coconuts 6:00 - 7:30 pm
7:30 PM	

I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Technical Sessions and Paper Presentation Schedule

WEDNESDAY, MAY 22

Flamingo II	
8:00 AM	ESCCC Donolo, Marcos Energy Systems SC Meetings (Climate Change and Energy Security, Distributed Energy Resources, Microgrids and Virtual Power Plants)
8:30 AM	
9:00 AM	ESC Donolo, Marcos Energy Systems Main Committee Meeting
9:30 AM	
10:00 AM	AM Break 10-10:30
10:30 AM	
11:00 AM	
11:30 AM	
12:00 PM	I&CPS Luncheon 12:00 pm - 1:00pm Cafe
	ESC #3 1:00 pm - 5:15 pm Flamingo II Session Chair: Yuan-Kang Wu
1:00 PM	2023-ICPSD24-0011 Wang, Li Suppression of Subsynchronous Resonance in a Hybrid Steam-Turbine Generator/Offshore Wind Farm System Using a Static
1:25 PM	2024-ICPSD24-0006 Zheng, litao Large-Signal Stability Analysis of DC Microgrid System Considering the Power characterization of Energy Storage System
1:50 PM	2024-ICPSD24-0042 Yeung, Chakhung Research on Solar Irradiance Distribution and Correlation with Photovoltaic Generated Output: A Case Study of Wuhan and
2:15 PM	2024-ICPSD24-0065 Wang, Fei Ultra-short-term Power Probabilistic Forecasting Method for Distributed Photovoltaic based on Joint Distribution Modeling
2:40 PM	2024-ICPSD24-0010 Wu, Yuan-Kang Enhancing Wind Power Forecasts via Bias Correction Technologies for Numerical Weather Prediction Model
3:05 PM	Break 3:05 pm - 3:35 pm
3:35 PM	2024-ICPSD24-0024 Wu, Yuan-Kang A Novel QR-based Probabilistic Forecasting Method for Solar power Generation
4:00 PM	2024-ICPSD24-0053 Wu, Yuan-Kang Study on the Strategies to Mitigate the Effects of Partial Shading on PV Power Generation Systems
4:25 PM	2024-ICPSD24-0008 Galasso, Alessandro Distributed Monitoring System (DMS) Evaluation with Level of Coverage (LOC) Implementation
6:00 PM	I&CPS Happy Hour at Coconuts 6:00 - 7:30 pm
7:30 PM	

I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Technical Sessions and Paper Presentation Schedule

WEDNESDAY, MAY 22

Tropicana I	
8:00 AM	
8:30 AM	
9:00 AM	PSPC Keith Waters Power System Protection Committee
9:30 AM	
10:00 AM	AM Break 10-10:30
10:30 AM	
11:00 AM	
11:30 AM	
12:00 PM	I&CPS Luncheon 12:00 pm - 1:00pm Cafe
	PSPC #3 1:00 pm - 4:35 pm Tropicana I Session Chair: Qais Alsafasfeh
1:00 PM	2024-ICPSD24-0070 Cao, Jinxin Observed Characteristics of Lightning Attachment to the Wind Turbines and Its Magnetic Field
1:25 PM	2024-ICPSD24-0003 Liang, Xiaodong Experimental Study of Open-Switch Faults for Interfacing Inverters in Microgrids Using OPAL-RT Real-time Simulator
1:50 PM	2023-ICPSD24-0015 Haj-Ahmed, Mohammed Communication Assisted Permissive Underreach Transfer Tripping Scheme
2:15 PM	2024-ICPSD24-0080 Kumar, Vineet Comprehensive Approaches for the Differential Protection of Power Transformers Using Advanced Classification Techniques
2:40 PM	2023-ICPSD24-0014 Saleh, Saleh Harmonic Distortions in Auto-Transformers Due to Geomagnetically Induced Currents
3:05 PM	Break 3:05 pm - 3:35 pm
3:35 PM	
4:00 PM	
4:25 PM	
4:50 PM	
6:00 PM	I&CPS Happy Hour at Coconuts 6:00 - 7:30 pm
7:30 PM	

I&CPS 2024 Las Vegas, NV Conference Attendance Planner - Technical Sessions and Paper Presentation Schedule

WEDNESDAY, MAY 22

Tropicana II	
8:00 AM	
8:30 AM	
9:00 AM	
9:30 AM	
10:00 AM	AM Break 10-10:30
10:30 AM	
11:00 AM	
11:30 AM	
12:00 PM	I&CPS Luncheon 12:00 pm - 1:00pm Cafe'
	Industrial Track Presentations Tropicana II Session Chair: Daniel Ihlenfeldt
1:00 PM	2024-IND-0010 Crow, Daryld Ray Steps to Create an IEEE Standard
1:25 PM	2024-IND-0011 Rifaat, Rasheek Best Practices Associated with Industrial and Commercial Power System Protection and Coordination
1:50 PM	2024-IND-0012 Arno, Robert & Anthony, Mike IEEE 493 Design of Reliable Industrial and Commercial Power Systems - A Summary of Equipment Reliability Data
2:15 PM	2024-IND-0013 Dai, JJ Case Study of an Electrical System Analysis for a Refinery Expansion
2:40 PM	2024-IND-0014 Ihlenfeldt, Daniel Electrification of Existing Industrial and Commercial Buildings to Meet International Decarbonization Goals
3:05 PM	Break 3:05 pm - 3:35 pm
3:35 PM	2024-IND-0015 Glenney, Jeff High Resistance Grounding - a Case Study to Understand HRG Nuances, Ground Fault Protection, and Equipment Issues
4:00 PM	2024-IND-0016 Paul, Dev Power System Grounding for Safety
4:25 PM	2024-IND-0017 Dionise, Tom Ohmic Voltage Sensors - Their Advantages, Applicable Standards, and Testing Requirements for Relaying and Metering Applications
4:50 PM	2024-IND-0018 Vallejo, Jose Manuel On-Line-Non-Invasive Electrical Apparatus Condition Assessment with EMSA Testing Technology
5:15 PM	
6:00 PM	I&CPS Happy Hour at Coconuts 6:00 - 7:30 pm
7:30 PM	

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