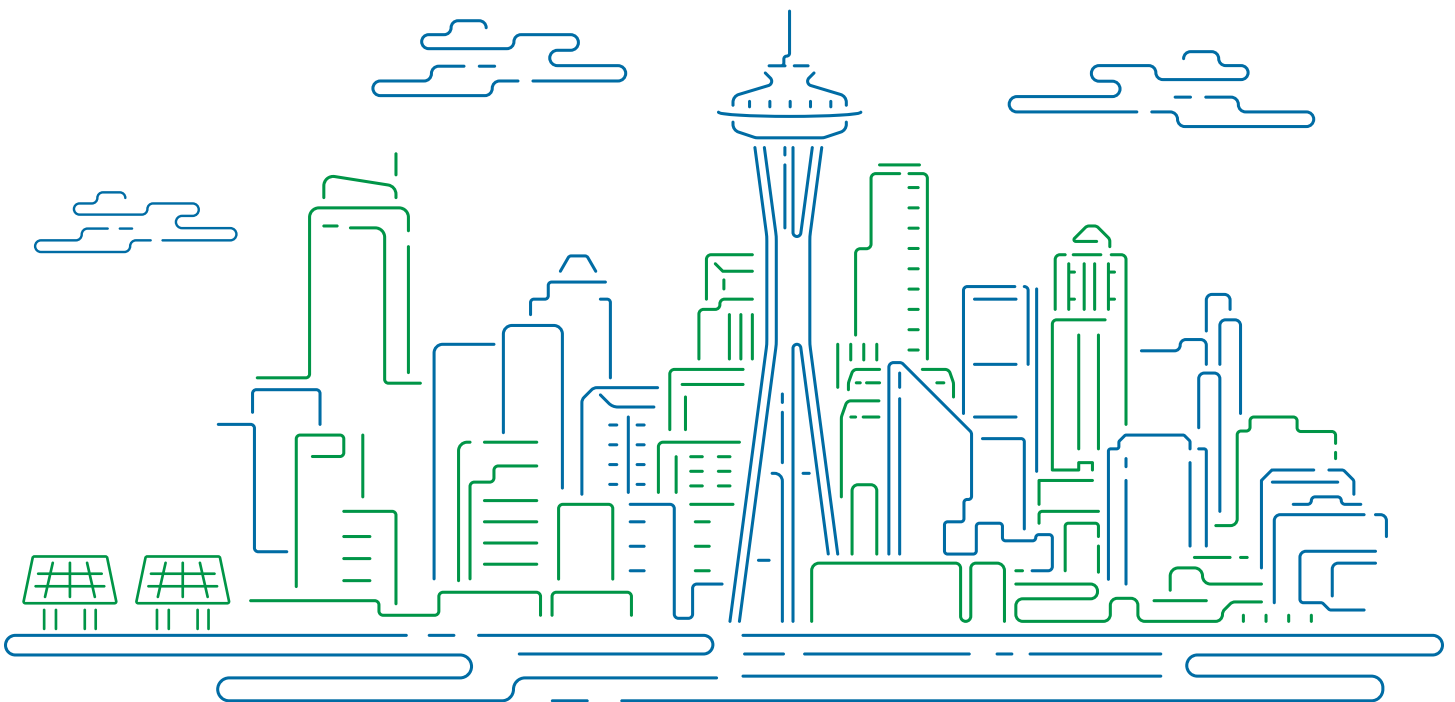




2024 IEEE PES GENERAL MEETING PROGRAM & SCHEDULE

21–25 July 2024 | Seattle, Washington

The New Electric System: Reinventing & Resilience



pes-gm.org

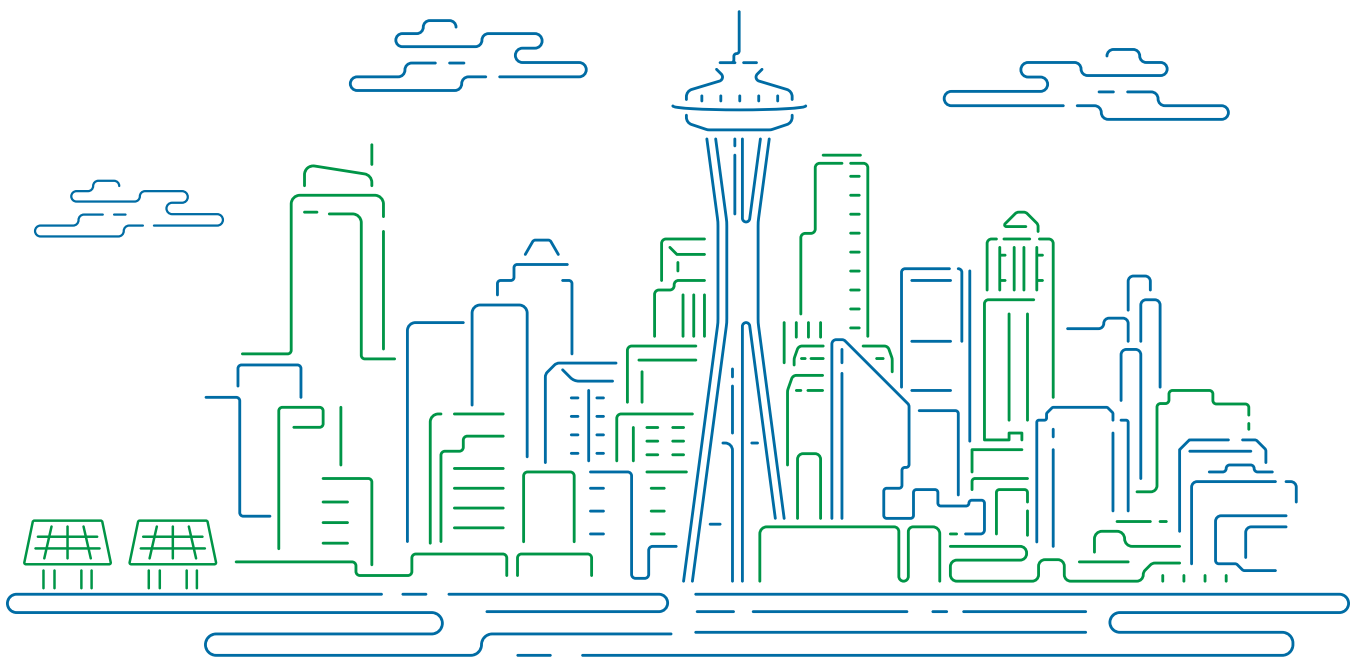


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WELCOME LETTER

Welcome to the 2024 IEEE Power and Energy Society (PES) General Meeting, taking place in the vibrant city of Seattle, Washington! On behalf of IEEE, IEEE PES, PES Governing Board, PES staff, and volunteers, I am thrilled to have you join us for this annual gathering of industry leaders, researchers, and professionals from around the globe.

This year's theme, "The New Electric System: Reinvention and Resilience," highlights our commitment to pioneering innovative solutions and enhancing the robustness of our power systems. As we navigate the challenges and opportunities of our rapidly evolving industry, your participation and contributions are more vital than ever.

Our program begins with a Welcome Reception on Sunday evening, setting the stage for an engaging week ahead. On Monday morning, we will kick off the day with the PES President Fireside Chat with Dr. Shay Bahramirad who will be speaking with Gene Rodriguez, Assistant Secretary for Electricity at the US Department of Energy, and Chris Kofinis, CEO of Park Street Strategies. This session will offer valuable insights and discussions on the future of our field. Following the Fireside Chat, we will hold a Plenary Session featuring a panel of distinguished experts in power distribution, innovative technologies, and equity. They will share insights on their initiatives and explore how the industry can evolve for a more resilient future for all communities.

We are thrilled to start Tuesday with the prestigious PES Student Poster Session and Contest, showcasing the innovative work of our future leaders. That evening, we will celebrate the 2024 PES Award recipients. On Wednesday, join the Student, Industry, and Faculty Luncheon and Job Fair for valuable engagement among students, professionals, and academia. Additionally, Women in Power (WiP) and Young Professionals will host an engaging panel discussion enriching our comprehensive experience.

Our extensive program features a diverse array of technical sessions, panel discussions, and keynote addresses designed to stimulate thought and inspire action. We are honored to host distinguished speakers who will share their insights on cutting-edge research, emerging trends, and the future direction of the power and energy sector. Additionally, our technical tours will offer firsthand experiences of Seattle's innovative energy projects, providing valuable learning opportunities and practical insights.

We extend our deepest gratitude to our conference supporters, the organizing committee, technical committee program chairs, presenters, volunteers, PES Governing Board and PES staff. Your unwavering support and dedication have made this event possible and are instrumental in shaping the future of our industry. Additionally, we thank our attendees for their active participation and enthusiasm, which drive the success of this gathering.

As we embark on this week of knowledge sharing, innovation, and collaboration, we hope you find the 2024 IEEE PES General Meeting to be both professionally enriching and personally enjoyable. May the ideas exchanged and the connections made here inspire you to continue driving progress and sustainability in the power and energy sector.

Thank you,

Tanya Panomvana, P.E.

Local Organizing Committee Chair

GENERAL INFORMATION

Registration & Information Desk

Registration is located in the Summit lobby and will be open during the following days and times:

Sunday 7:00AM–7:00PM

Monday 6:30AM–7:00PM

Tuesday 6:30AM–7:00PM

Wednesday 6:30AM–4:00PM

Thursday 6:30AM–12:00PM

Badges

IEEE PES GM badges must be worn at all times and are necessary for admittance to sessions, meetings, and social events.

Attendee Breakfasts

Complimentary continental breakfast will be available for all event attendees in Room Flex BC, from Monday through Thursday from 6:30AM–8 AM.

Wireless Internet Sponsored by RTDS Technologies



- **Network Name:** RTDS_Technologies
- **Password:** hardwareintheloop

Friendly Reminder

Please turn off your devices that chirp, beep, buzz, or ring, including but not limited to pagers, beepers, cell phones, PDAs, and laptops during the conference. The speakers and audience thank you for your consideration and cooperation.



The 2024 IEEE PES General Meeting App is proudly sponsored by VR Energy.



Download the EventMobi App.

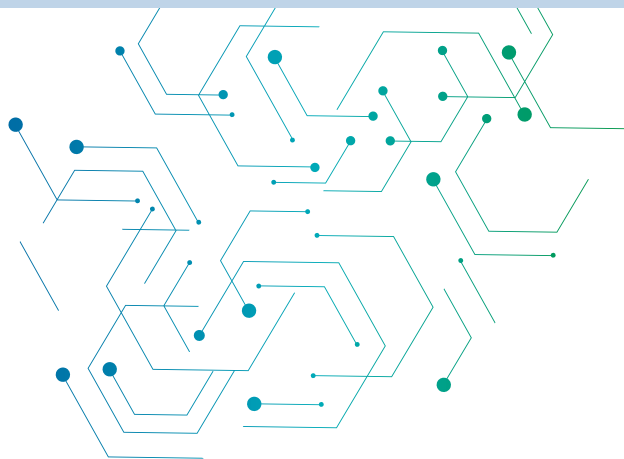
- iOS users access in Apple App store



- Android users access in the Google Play Store

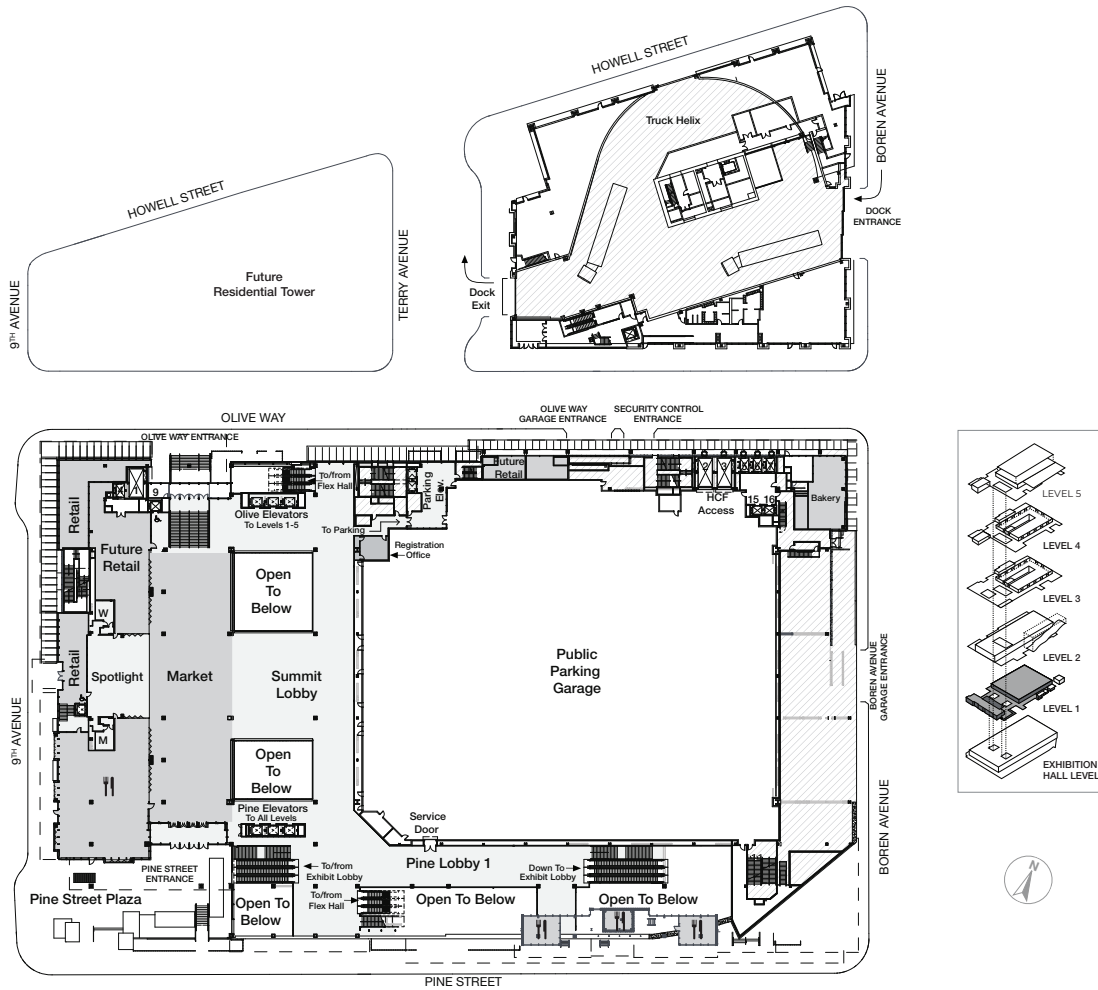


- Enter Code: **pesgm** to access & launch the 2024 IEEE PES General Meeting



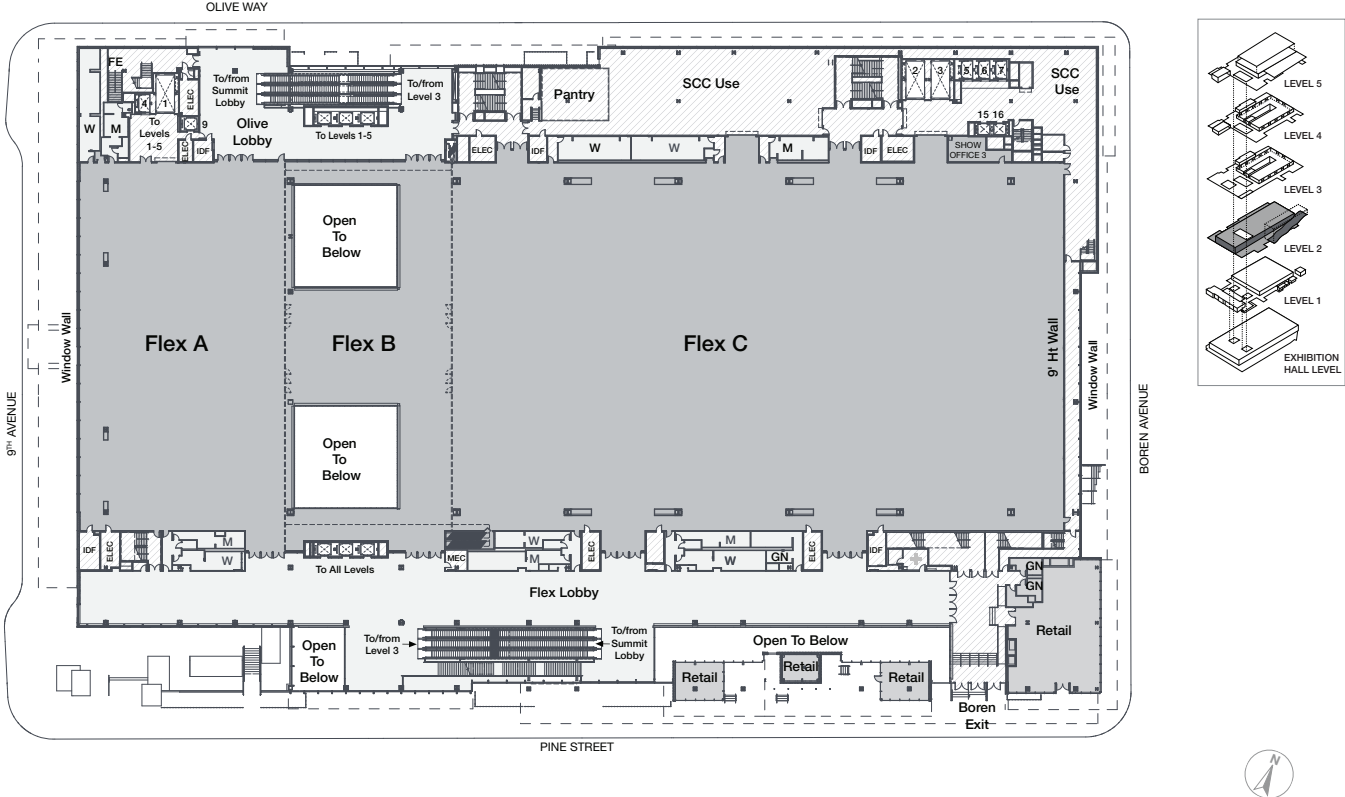
HOTEL MAP

Level 1—Entrance



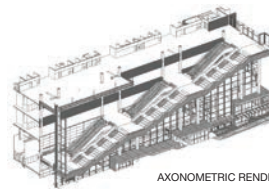
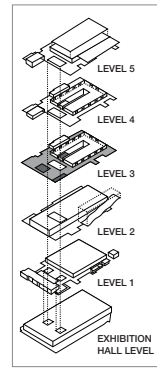
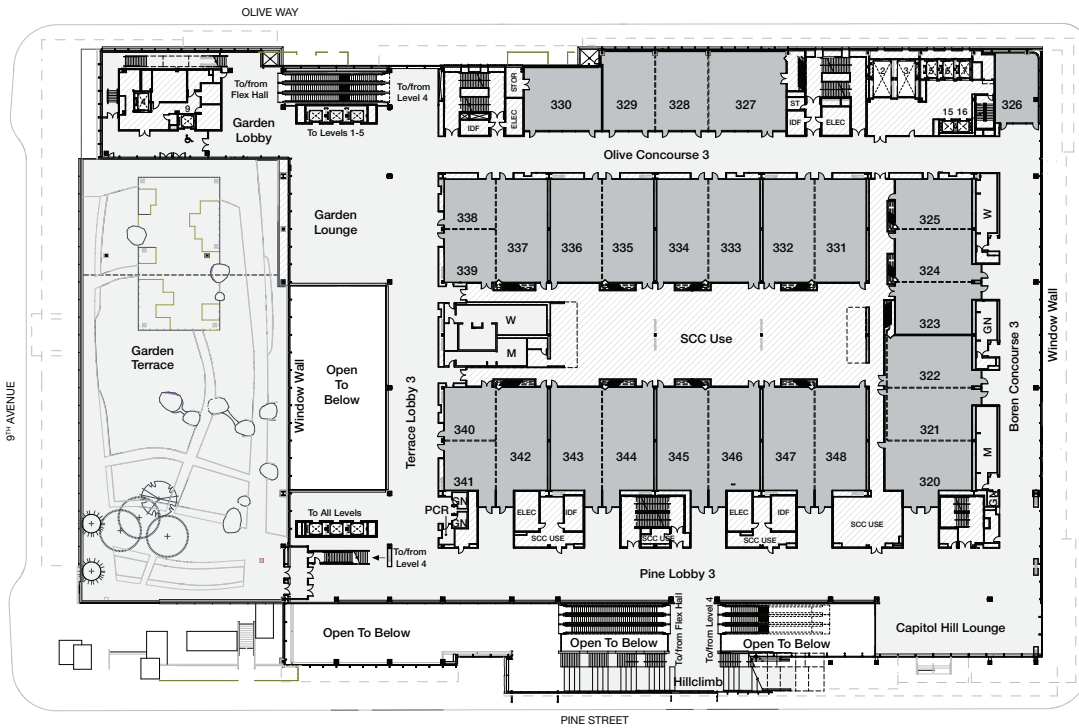
HOTEL MAP

Level 2—Flex Hall



HOTEL MAP

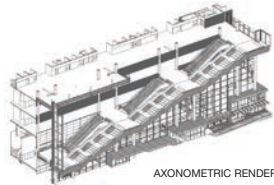
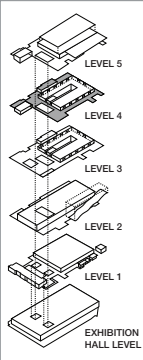
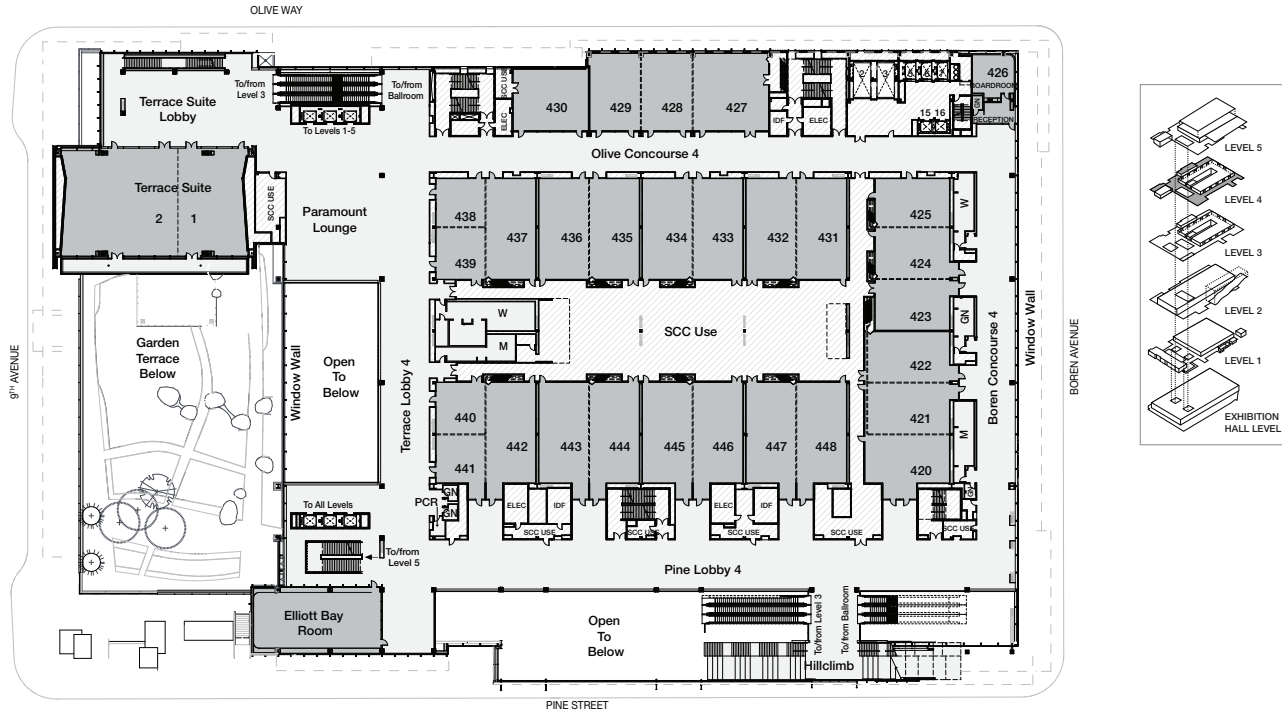
Level 3—Meeting Rooms & Garden Terrace



LEVEL 3	SQUARE FEET	CAPACITY	HEIGHT
Garden Terrace	14,000	1,000	Open

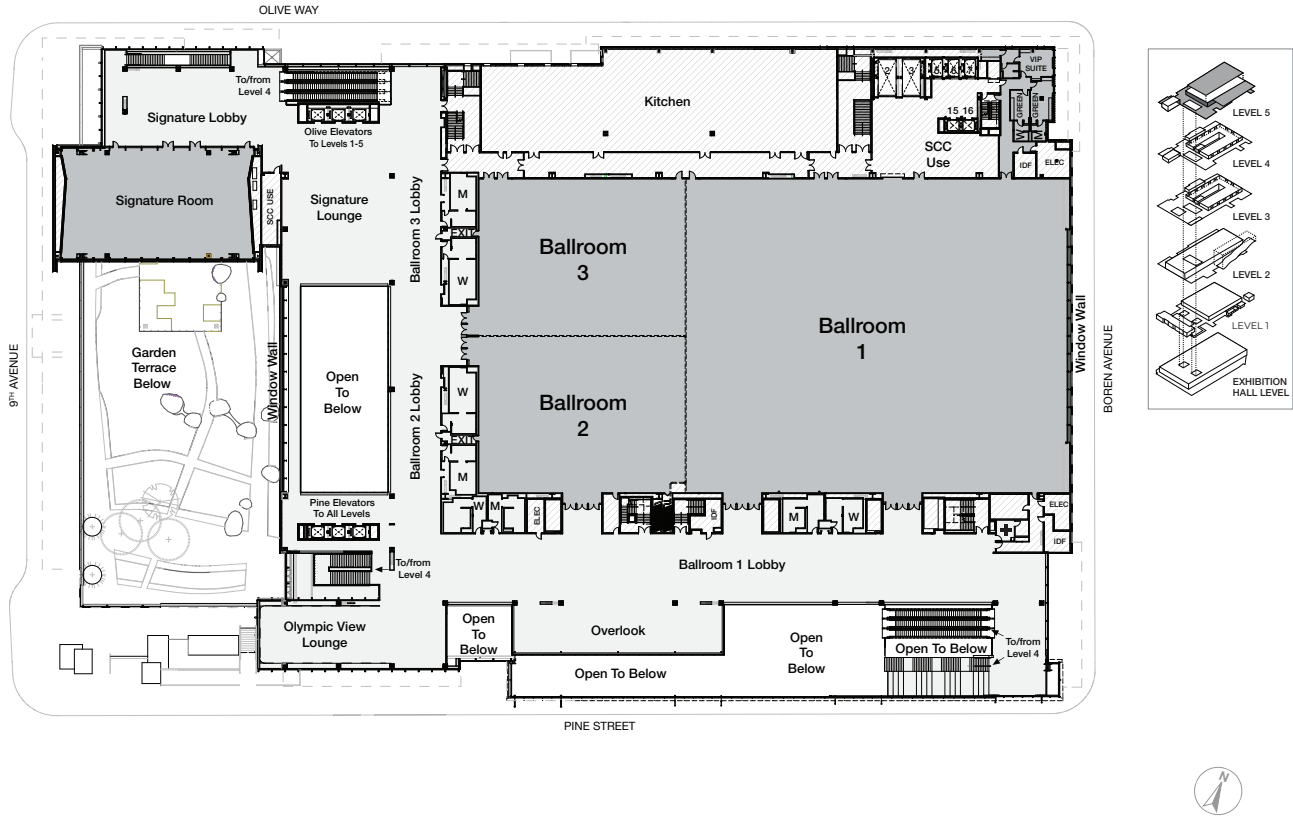
HOTEL MAP

Level 4—Meeting Rooms



HOTEL MAP

Level 5—Ballroom



Professional Development Hours (PDHs) and Continuing Education Unit (CEUs)

A continuing education unit (CEU) is 10 contact hours of participation in an organized continuing education experience under responsible, qualified direction and instruction. A unit generally consists of courses of study that refresh, update and enhance knowledge skills and experience with professional personnel. It is up to each student to determine if a specific course or program fills the needs of the discipline or certifying body for which the CEUs are intended.

Continuing professional education for licensed engineers is measured in professional development hours (PDHs). Professional Development Hours (PDH) may be earned by an individual for attending a poster, panel, or technical session. PDH credits are awarded for participation in these activities and are normally accepted by accreditation agencies responsible for professional registration. A PDH is 1 contact hour of instruction or presentation.

Continuing Education Units (CEUs) readily translate into PDHs (1 CEU=10 PDHs), though PDHs do not convert automatically to CEUs. The licensee is responsible for maintaining records to be used to support PDH credits claimed. PES does not track this information.

A link to the PDH form will be emailed to all who registered and attended the PES GM. Individuals can use this form to track their attendance at a poster, panel, or technical session at this meeting. It is up to each individual to provide the form to the certifying body or employer to determine if a specific course or program fills the needs of the discipline or certifying body and/or employer which the PDHs are intended for.

Tutorial Attendees will receive an email with instructions on downloading the tutorial presentation and may take the CEU/PDH assessment via the PES Resource Center. Upon completion of the assessment, the attendee will receive the CEU/PDH certificate.

IEEE does not keep records of who attended what session or meeting. If you are audited, it is your responsibility to provide authenticating documents. Your conference and/or tutorial receipt from the registrar can serve as attendance verification for the activities held in conjunction with this event.

IEEE Event Conduct and Safety Statement

IEEE believes that science, technology, and engineering are fundamental human activities, for which openness, international collaboration, and the free flow of talent and ideas are essential. Its meetings, conferences and other events seek to enable engaging thought-provoking conversations that support IEEE's core mission of advancing technology for humanity. Accordingly, IEEE is committed to providing a safe productive and welcoming environment to all participants including staff and vendors at IEEE-related events.

IEEE has no tolerance for discrimination, harassment, or bullying in any form at IEEE-related events. All participants have the right to pursue shared

interests without harassment or discrimination in an environment that supports diversity and inclusion. Participants are expected to adhere to these principles and respect the rights of others.

IEEE seeks to provide a secure environment at its events. Participants should report any behavior inconsistent with the principles outlined here to on-site staff, security, venue personnel, or to eventconduct@ieee.org.

2024 PES General Meeting Local Organizing Committee

Chair

Tanya Panomvana

Co-Chair

Yaochiem Chao

Secretary

Jonathan Galanti

Welcome Reception Chair

Curtis Lu

Plenary Session Chair

Uzma Siddiqi

Technical Sessions Chair

Charlie Vartanian

Technical Tours Chair

Jon Mathison

Volunteer Coordinator

Katrina Alexander

Volunteer Coordinator

Chris Lee

Student Activities Chair

Dajan Lyttle

Communications Chair

Adam Morse

Seattle Chapter Chair

Max Emrick

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Shay Bahramirad

President-Elect

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Vice President, Technical Activities

Diane Watkins

Region 10 Representative, Asia & Pacific

Ramakrishna Kappagantu

Region 9 Representative, Latin America

Guadalupe González

Region 8 Representative, Europe, Middle East & Africa

Eduardo Audiche

Region 1–7 Representative, United States and Canada

Milorad Papic

Member At Large, Diversity & Inclusion

Zuhaina Zakaria

Member At Large, Leadership Development

Chan Wong

Member At Large, Digital Experience

Anand Shah

Member At Large, Climate Change & Sustainability

Annika Moman

Executive Director

Tim Licitra

2024 IEEE PES General Meeting Technical Committee Program Chairs

Analytic Methods for Power Systems

Zita Vale

Electric Machinery

Jim Lau

Energy Development and Power Generation

Michael Basler

Energy Internet Coordinating Committee

Qinglai Guo

Xinwei Shen

Energy Storage & Stationary Battery

Tu Nguyen

Grid & Emerging Technologies

Coordinating Committee

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Henk Greene

Marine Systems Coordinating

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John Prousalidis

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Aaron St. Leger

Power System Dynamic Performance

Panagiotis (Panos) Papadopoulos

Shruti Rao

Power System Instrumentation

and Measurements

David Wallace

Power System Operation, Planning & Economics

Zhaoyu Wang

Power Systems Communications

& Cyber Security

Mohammad Reza Khalghani

Power Systems Relaying & Control

Gene Henneberg

Renewables Systems Integration Coordinating

Aidan Tuohy

Smart Buildings, Loads and Customer Systems

Bishnu Bhattarai

Sumit Paudyal

Substations

Matt Bauer

Surge Protective Devices

Steven Hensley

Switchgear

Anthony Ricciuti

Transformers

David Wallach

Transmission and Distribution

Brian Johnson

Rob Schaerer

Industry Technical Support Leadership Committee

Veronika Rabl



IEEE PES PRESIDENT FIRESIDE CHAT

Overcoming the growing policy and public challenges facing the energy industry: A discussion with two of the nation's leading policy and communications experts

Monday, 22 July 2024 at 9:00AM
Ballroom 1

Overcoming the obstacles to this historic global energy transition is more than technological. More than any other time in history, the energy industry operates in an increasingly challenging regulatory, political, and public environment. If this energy transition is to succeed, IEEE PES member engineers and energy professionals from across the industry and around the world will need to understand what these forces are and how to best overcome them. Two of the nation's leading policy and communications experts will discuss these challenges, and what the industry and IEEE PES must know and do to successfully lead this energy transition.



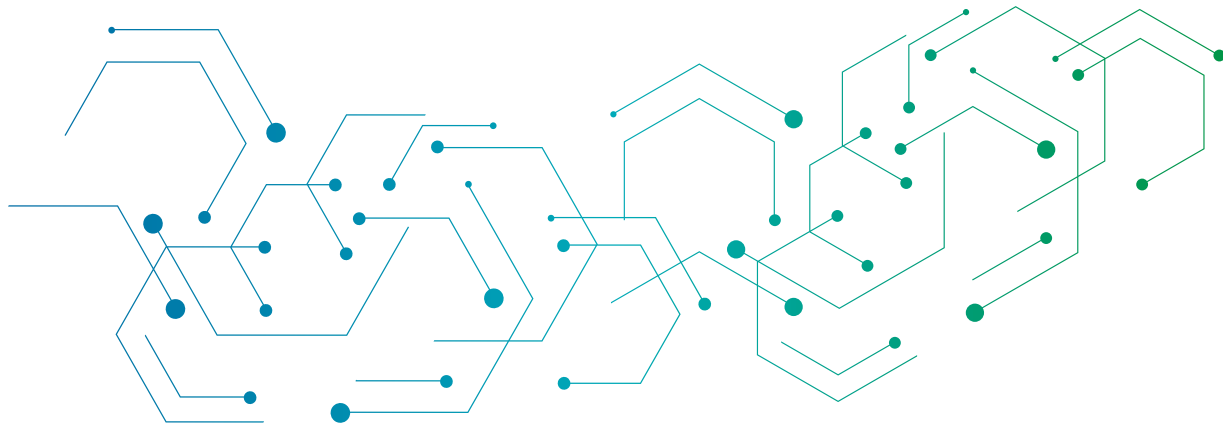
Shay Baharamirad
IEEE PES President



Chris Kofinis
CEO, Park Street Strategies



Gene Rodriques
Assistant Secretary for Electricity,
US Department of Energy (DOE)



OPENING PLENARY SESSION PANEL

Monday, 22 July 2024 at 10:00AM
Ballroom 1

Theme: The New Electric System: Reinvention and Resilience

The opening plenary session panel will showcase experienced leaders in power delivery, new technology, and equity. Each of these experts will be able to discuss their unique perspectives on their initiatives and how the industry can reinvent and adapt to move toward a more resilient future for all communities.

Moderator



Uzma Siddiqi

Senior Manager, Grid Modernization and Strategic Tech, Seattle City Light

Featured Panel Speakers



Emeka Anyanwu

CEO, Lincoln Electric System



Dawn Lindell

CEO, Seattle City Light



Craig Pospisil

VP Business Development and M&A, Puget Sound Energy (PSE)



Dr. Ed Schweitzer

Founder, Schweitzer Engineering Labs (SEL)

Saturday, July 20

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	10:30 AM	11:30 AM	Volunteer Orientation	Panel	Admin	Room 324

Sunday, July 21

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	7:00 AM	7:00 PM	Registration	Committee Meeting	Admin	Summit Lobby
<input type="checkbox"/>	8:00 AM	12:00 PM	Grid-Forming Power Converters: Bridging Concepts to Analysis and Practical Implementation— Separate Registration Required	Tutorial	Admin	Room 342
<input type="checkbox"/>	8:00 AM	12:00 PM	IEEE 2800 Tutorial—Understanding origin and specifications of technical minimum capability and performance requirements— Separate Registration Required	Tutorial	Admin	Room 345
<input type="checkbox"/>	8:00 AM	12:00 PM	Power Systems Integration Data and Algorithms Platform for Steady-state and Transients Analysis— Separate Registration Required	Tutorial	Admin	Room 346
<input type="checkbox"/>	8:00 AM	12:00 PM	Understanding Voltage Stability: Theory to Industry Practice considering Inverter Based Resources— Separate Registration Required	Tutorial	Admin	Room 341
<input type="checkbox"/>	8:00 AM	5:00 PM	CyberStrike STORMCLOUD: Hands on Cybersecurity Training for Renewable Energy— Separate Registration Required	Tutorial	Admin	Room 344
<input type="checkbox"/>	8:00 AM	5:00 PM	IEEE 1547 Overview: the DER Interconnection & Interoperability Standard— Separate Registration Required	Tutorial	Admin	Room 343
<input type="checkbox"/>	8:00 AM	5:00 PM	Harmonics Modeling and Assessment for Interconnection Studies of Inverter-Based Resource (IBR) Plants— Separate Registration Required	Tutorial	Admin	Room 347
<input type="checkbox"/>	8:00 AM	5:00 PM	Power System T&D Planning & Operations—Transformations Through DER Integration, PMU Data Analytics, and Edge Device Interoperability— Separate Registration Required	Tutorial	Admin	Room 348
<input type="checkbox"/>	8:00 AM	5:00 PM	Fundamentals of Resource Adequacy for Modern Power Systems— Separate Registration Required	Tutorial	Admin	Room 340
<input type="checkbox"/>	8:00 AM	5:00 PM	Regions 1–7 Professional Chapter Chairs & Student Chapter Chair Training	Committee Meeting	Admin	Room 327–329
<input type="checkbox"/>	1:00 PM	5:00 PM	Data-Driven Based Control Approaches and Real Time Simulation Technology for Power Electronics Based IBRs— Separate Registration Required	Tutorial	Admin	Room 346
<input type="checkbox"/>	1:00 PM	5:00 PM	Data-Driven Based Control Approaches and Real Time Simulation Technology for Power Electronics Based IBRs— Separate Registration Required	Tutorial	Admin	Room 346

Sunday 7/21 continued

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	1:00 PM	5:00 PM	EMT Modeling and Studies for Renewable Energy Integration— Separate Registration Required	Tutorial	Admin	Room 342
<input type="checkbox"/>	1:00 PM	5:00 PM	Student Chapters Training	Committee Meeting	Admin	Room 326
<input type="checkbox"/>	2:00 PM	4:00 PM	Grid Code Task Meeting	Committee Meeting	Electric Machinery	Room 331
<input type="checkbox"/>	2:00 PM	4:00 PM	PEEC Research Subcommittee	Committee Meeting	Power & Energy Education	Room 332
<input type="checkbox"/>	3:00 PM	4:00 PM	New Attendees Orientation	Panel	Admin	Room 427
<input type="checkbox"/>	4:00 PM	6:00 PM	Satellite Technical Committee Representatives Meeting	Committee Meeting	Admin	Room 331
<input type="checkbox"/>	6:00 PM	8:00 PM	Welcome Reception	Reception	Admin	Level 3 Meeting Room Lobbies



**Please check the IEEE PES GM mobile app for the latest program and event updates.*

Notes

Monday, July 22

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	6:30 AM	8:00 AM	Attendee Breakfast	Breakfast	Admin	Flex BC
<input type="checkbox"/>	6:30 AM	8:00 AM	Presenters' Breakfast	Breakfast	Admin	Flex A
<input type="checkbox"/>	6:30 AM	7:00 PM	Registration	Committee Meeting	Admin	Summit Lobby
<input type="checkbox"/>	7:00 AM	8:00 AM	European Electricity Infrastructure Working Group	Committee Meeting	Energy Development and Power Generation	Room 322
<input type="checkbox"/>	7:30 AM	8:00 AM	PEEC PES Student Program Review Committee	Committee Meeting	Power & Energy Education	Room 323
<input type="checkbox"/>	8:00 AM	9:10 AM	PES Members' Meeting	Panel	Admin	Ballroom 1
<input type="checkbox"/>	9:10 AM	10:00 AM	PES President Fireside Chat	Panel	Admin	Ballroom 1
<input type="checkbox"/>	10:00 AM	11:00 AM	Opening Plenary Session—The New Electric System: Reinvention and Resilience	Panel	Admin	Ballroom 1
<input type="checkbox"/>	11:00 AM	11:30 AM	OHL Overhead Lines SC/WG/TF Introduction	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	11:00 AM	12:00 PM	Global circuit catalogue TF	Committee Meeting	(AMPS) Distribution System Analysis	Room 320
<input type="checkbox"/>	11:00 AM	12:00 PM	PES Energy and Policy Forum 2025	Committee Meeting	Admin	Room 325
<input type="checkbox"/>	11:00 AM	12:00 PM	Task Force on Hydrogen Integration into Power Systems	Committee Meeting	PSOPE—Technologies & Innovation Subcommittee	Room 346
<input type="checkbox"/>	11:00 AM	12:00 PM	Task Force on Empowering the Future of Power Systems Operation and Control with Quantum Computing	Committee Meeting	PSOPE—Technologies & Innovation Subcommittee	Room 344
<input type="checkbox"/>	11:00 AM	12:00 PM	Intelligent Data Mining and Analysis WG Meeting	Committee Meeting	(AMPS) Intelligent Systems	Room 327
<input type="checkbox"/>	11:00 AM	12:30 PM	Distribution SC Distributed Resources Integration Working Group	Committee Meeting	Transmission and Distribution	Room 347
<input type="checkbox"/>	11:00 AM	1:00 PM	SBLC—SBCS Subcommittee Meeting	Committee Meeting	Smart Buildings, Loads & Customer Systems	Room 331
<input type="checkbox"/>	11:00 AM	1:00 PM	PEEC ADCOM	Committee Meeting	Power & Energy Education	Room 323
<input type="checkbox"/>	11:00 AM	1:00 PM	International Practices Subcommittee Meeting	Committee Meeting	Energy Development and Power Generation	Room 329
<input type="checkbox"/>	11:30 AM	12:00 PM	ESMOL I-Meet Central Tutorial	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	11:30 AM	1:30 PM	Industry Leaders Luncheon	Committee Meeting	Admin	Signature Room
<input type="checkbox"/>	12:00 PM	1:00 PM	WG on Distribution System BTM DERs: Visibility, Analytics and Control	Committee Meeting	(AMPS) Distribution System Analysis	Room 320
<input type="checkbox"/>	12:00 PM	1:00 PM	Task Force on Bulk Power System—Connected Inverter-Based Resource Operation Challenges	Committee Meeting	PSOPE—Bulk Power System Operations Subcommittee	Room 333
<input type="checkbox"/>	12:00 PM	1:00 PM	Multiagent Systems WG Meeting	Committee Meeting	(AMPS) Intelligent Systems	Room 327
<input type="checkbox"/>	12:00 PM	1:00 PM	Q3 ITSCLC/FERC—GM	Committee Meeting	Industry Technical Support Leadership Committee	Room 326

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	1:00 PM	2:00 PM	TASS Interfacing Techniques for Simulation Tools in Smart Grid TF	Committee Meeting	(AMPS) Transient Analysis and Simulation	Room 342
<input type="checkbox"/>	1:00 PM	2:00 PM	WG on Distribution System State Estimation	Committee Meeting	(AMPS) Distribution System Analysis	Room 320
<input type="checkbox"/>	1:00 PM	2:00 PM	PEEC Career Promotion and Workforce Development Subcommittee	Committee Meeting	Power & Energy Education	Room 323
<input type="checkbox"/>	1:00 PM	2:00 PM	WG on Computational Aspect of Distributed Optimization in the Power System	Committee Meeting	(AMPS) Computer Analytical Methods	Room 326
<input type="checkbox"/>	1:00 PM	2:00 PM	CAMS WG Cybersecurity for Power Systems	Committee Meeting	(AMPS) Computer Analytical Methods	Room 324
<input type="checkbox"/>	1:00 PM	2:00 PM	Task Force on Standard Test Cases for Power System State Estimation	Committee Meeting	PSOPE—Bulk Power System Operations Subcommittee	Room 333
<input type="checkbox"/>	1:00 PM	2:00 PM	OHL Std 563 TF—Guide on Conductor Self-Damping Measurements	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	1:00 PM	2:00 PM	OHL Std 751 TF—Guide for Wood Structures Used for Overhead TLs	Committee Meeting	Transmission and Distribution	Room 341
<input type="checkbox"/>	1:00 PM	2:00 PM	ESMOL 957 IEEE Guide for Cleaning Insulators	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	1:00 PM	2:00 PM	PQ SC Monitoring Electric Power Quality WG (IEEE Std 1159)	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	1:00 PM	2:00 PM	IEEE Std 665 Working Group	Committee Meeting	Energy Development and Power Generation	Room 322
<input type="checkbox"/>	1:00 PM	2:00 PM	Intelligent Systems Control WG Meeting	Committee Meeting	(AMPS) Intelligent Systems	Room 327
<input type="checkbox"/>	1:00 PM	3:00 PM	Redefining Risk for Next Generation Bulk Power Grid: A System Operation Perspective	Panel	PSOPE—Bulk Power System Operations Subcommittee	Room 422
<input type="checkbox"/>	1:00 PM	3:00 PM	Definitions, Challenges, and Enabling Techniques for Energy Internet Paradigm	Panel	Energy Internet Coordinating Committee	Room 420
<input type="checkbox"/>	1:00 PM	3:00 PM	Distribution Resiliency Metrics—An Update on Resiliency Metrics Development and an Overview of Resiliency Industry Research	Panel	Transmission and Distribution	Room 429
<input type="checkbox"/>	1:00 PM	3:00 PM	PSDP Task Force on Integrating Relay Models with Electromechanical Simulations	Committee Meeting	Power System Dynamic Performance	Room 344
<input type="checkbox"/>	1:00 PM	3:00 PM	SBLC—Task Force on Flexible Grid-interactive Efficient Buildings to Enhance Electric Service Resilience (FlexGEB)	Committee Meeting	Smart Buildings, Loads & Customer Systems	Room 334

**Please check the IEEE PES GM mobile app for the latest program and event updates.*

Notes

Check Out!

Upcoming IEEE PES Flagship Conferences



ieeesustaintechexpo.org

2024 IEEE SustainTech Leadership Forum

27–28 August | San Diego, CA

- Open – Registration
- Open – Sponsorship Opportunities



pes-gridedge.org

2025 IEEE PES GridEdge Technologies Conference & Expo

21–23 January | San Diego, CA

- Open – Exhibit Sales
- Open – Registration
- Open – Sponsorship Opportunities



pes-gm.org

2025 IEEE PES General Meeting

27–31 July | Austin, TX – JW Marriott

2024 October – Call For Paper opens.



ieeet-d.org

2026 IEEE PES Transmission & Distribution Conference & Expo

4–7 May | Chicago, Illinois

Save The Date! Details are coming soon.

Available! IEEE PES Event Sponsorship Opportunities

Through targeted sponsorship opportunities, IEEE PES events can place your company in front of top industry professionals for high-level engagement. Maximize your exposure by becoming a supporter today!



ieee-pes.org

Monday 7/22 *continued*

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	1:00 PM	3:00 PM	SBLC—Task Force on Flexibility Metrics for Grid-interactive Efficient Customer Systems	Committee Meeting	Smart Buildings, Loads & Customer Systems	Room 335
<input type="checkbox"/>	1:00 PM	3:00 PM	Electrification Magazine Editorial Board Meeting	Committee Meeting	Admin	Room 325
<input type="checkbox"/>	1:00 PM	3:00 PM	Renewable Subcommittee	Committee Meeting	Electric Machinery	Room 331
<input type="checkbox"/>	1:00 PM	3:00 PM	Services from future IBRs to benefit and help the bulk power system	Panel	Renewables Systems Integration Coordinating	Room 433–434
<input type="checkbox"/>	1:00 PM	3:00 PM	IEEE PES PSOPE AdCom meeting	Committee Meeting	Power System Operation, Planning & Economics	Room 330
<input type="checkbox"/>	1:00 PM	3:00 PM	WG P1601—Standard for Optical AC Current and Voltage Sensing Systems	Committee Meeting	Power System Instrumentation and Measurements	Room 332
<input type="checkbox"/>	1:00 PM	3:00 PM	Regional Grid Modernization and Clean Energy Programs and Projects	Panel	Local Organizing Committee	Room 427
<input type="checkbox"/>	1:00 PM	3:00 PM	MAS based methods for techno-economic performance of future low inertia multi-energy systems	Panel	(AMPS) Intelligent Systems	Room 439
<input type="checkbox"/>	1:00 PM	3:00 PM	Global Power Grid Transformation—New Trend and Opportunities	Panel	Admin	Room 434
<input type="checkbox"/>	1:00 PM	3:00 PM	DER-enhanced Sustainable Transportation Electrification and Power Grid Modernization	Panel	Energy Development and Power Generation	Room 428
<input type="checkbox"/>	1:00 PM	3:00 PM	Workforce Initiative Meeting	Committee Meeting	Admin	Room 338
<input type="checkbox"/>	1:00 PM	5:00 PM	Exploring the Capabilities of Next-Generation AMI with Distributed Intelligence	Panel	Grid & Emerging Technologies Coordinating Committee	Room 440
<input type="checkbox"/>	1:00 PM	5:00 PM	Machine learning and physical-informed techniques for dynamic security assessment of changing grid dynamics	Panel	Power System Dynamic Performance	Room 421
<input type="checkbox"/>	1:00 PM	5:00 PM	Distribution System Planning and Operation	Best Paper Session	Best Paper Session	Room 431
<input type="checkbox"/>	1:00 PM	5:00 PM	Bulk power system planning and operation	Best Paper Session	Best Paper Session	Room 432
<input type="checkbox"/>	1:00 PM	5:00 PM	Emerging Technologies in Generation, Transmission, and Distribution	Best Paper Session	Best Paper Session	Room 433
<input type="checkbox"/>	1:30 PM	3:30 PM	Cap SC Series Capacitor WG	Committee Meeting	Transmission and Distribution	Room 336

**Please check the IEEE PES GM mobile app for the latest program and event updates.*

Notes

Monday 7/22 continued

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	1:30 PM	3:30 PM	HVDC & FACTS Dynamic Modeling of HVDC and FACTS	Committee Meeting	Transmission and Distribution	Room 340
<input type="checkbox"/>	1:30 PM	4:00 PM	Industry Executive Advisory Council	Committee Meeting	Admin	Room 328
<input type="checkbox"/>	2:00 PM	3:00 PM	TASS EMT Simulation of Large Power Systems TF	Committee Meeting	(AMPS) Transient Analysis and Simulation	Room 342
<input type="checkbox"/>	2:00 PM	3:00 PM	WG on Power System Dynamic Modeling	Committee Meeting	Power System Dynamic Performance	Room 347
<input type="checkbox"/>	2:00 PM	3:00 PM	Distribution Test Feeder WG	Committee Meeting	(AMPS) Distribution System Analysis	Room 320
<input type="checkbox"/>	2:00 PM	3:00 PM	CIM Working Group Meeting	Committee Meeting	(AMPS) Computer Analytical Methods	Room 326
<input type="checkbox"/>	2:00 PM	3:00 PM	Task Force on Operational Tools for Enabling Resiliency	Committee Meeting	PSOPE—Bulk Power System Operations Subcommittee	Room 333
<input type="checkbox"/>	2:00 PM	3:00 PM	OHL Std 664 TF—Guide for Lab Measurement of the Power Dissipation Characteristics of Aeolian Vibration Dampers	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	2:00 PM	3:00 PM	OHL Std. C135.100 TF—Standard for Line Hardware for OHL Construction	Committee Meeting	Transmission and Distribution	Room 341
<input type="checkbox"/>	2:00 PM	3:00 PM	ESMOL 516 IEEE Guide for Maintenance Methods on Energized Power Lines	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	2:00 PM	3:00 PM	PQ SC Transfer of Power Quality Data TF (IEEE Std 1159.3)	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	2:00 PM	3:00 PM	IEEE Std 666 Working Group	Committee Meeting	Energy Development and Power Generation	Room 322
<input type="checkbox"/>	2:00 PM	3:00 PM	Intelligent Systems Control WG Meeting	Committee Meeting	(AMPS) Intelligent Systems	Room 327
<input type="checkbox"/>	2:00 PM	3:00 PM	Open Data Sets Task Force Meeting	Committee Meeting	(AMPS) Intelligent Systems	Room 321
<input type="checkbox"/>	2:00 PM	3:00 PM	TASS Use of Real-Code in EMT Models for Power System Analysis TF	Committee Meeting	(AMPS) Transient Analysis and Simulation	Room 346
<input type="checkbox"/>	2:00 PM	4:00 PM	Grid Edge Conference Organizing Committee Meeting	Committee Meeting	Admin	Room 329
<input type="checkbox"/>	3:00 PM	4:00 PM	Distribution Systems Analysis Subcommittee	Committee Meeting	(AMPS) Distribution System Analysis	Room 320
<input type="checkbox"/>	3:00 PM	4:00 PM	TF on Advanced Methods for Computational Intensive Meeting Power System Planning Applications	Committee Meeting	PSOPE—Bulk Power System Planning Subcommittee	Room 330
<input type="checkbox"/>	3:00 PM	4:00 PM	Task Force on Dynamic Parameter Visibility: Identifiability, Algorithms and Uncertainty Quantification	Committee Meeting	PSOPE—Bulk Power System Operations Subcommittee	Room 333
<input type="checkbox"/>	3:00 PM	4:00 PM	OHL Std 977 TF—Guide to Installation of Foundations	Committee Meeting	Transmission and Distribution	Room 341
<input type="checkbox"/>	3:00 PM	4:00 PM	ESMOL TC 78 Support	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	3:00 PM	4:00 PM	PQ SC Power Quality Solutions Working Group WG (IEEE Std 1409)	Committee Meeting	Transmission and Distribution	Room 343

Monday 7/22 continued

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	3:00 PM	4:00 PM	Station Design Subcommittee Meeting	Committee Meeting	Energy Development and Power Generation	Room 322
<input type="checkbox"/>	3:00 PM	4:00 PM	Photovoltaics Working Group	Committee Meeting	Energy Development and Power Generation	Room 321
<input type="checkbox"/>	3:00 PM	5:00 PM	Grid Forming IBR Operation Within Transmission Systems	Panel	Transmission and Distribution	Room 429
<input type="checkbox"/>	3:00 PM	5:00 PM	Towards a Resilient Energy Internet in a Changing Climate	Panel	Energy Internet Coordinating Committee	Room 420
<input type="checkbox"/>	3:00 PM	5:00 PM	TF on Power Systems Restoration with RE resources	Committee Meeting	Power System Dynamic Performance	Room 344
<input type="checkbox"/>	3:00 PM	5:00 PM	Outstanding Doctoral Dissertations in Power and Energy Systems	Panel	Admin	Room 428
<input type="checkbox"/>	3:00 PM	5:00 PM	EMC Planning	Committee Meeting	Electric Machinery	Room 331
<input type="checkbox"/>	3:00 PM	5:00 PM	PES Smart Grid Synchronized Sampling and Analytics (SGSMA) Conf. Steering Committee	Committee Meeting	Admin	Room 338
<input type="checkbox"/>	3:00 PM	5:00 PM	Smart Grid Synchronized Measurements and Analytics	Committee Meeting	Other	Room 326
<input type="checkbox"/>	3:00 PM	5:00 PM	PES University Committee	Committee Meeting	Admin	Room 325
<input type="checkbox"/>	3:00 PM	5:00 PM	Unlocking the Potential: An Industry Panel on Hydrogen Integration in Power Systems	Panel	PSOPE—Technologies & Innovation Subcommittee	Room 422
<input type="checkbox"/>	3:00 PM	5:00 PM	OHL Std 3132 TF—Guide for Spacers and Spacer-Dampers on Bundled Conductors	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	3:00 PM	5:00 PM	Distribution SC Stray and Contact Voltage Working Group	Committee Meeting	Transmission and Distribution	Room 347
<input type="checkbox"/>	3:00 PM	5:00 PM	Distribution SC Solid State Transformer Task Force	Committee Meeting	Transmission and Distribution	Room 342
<input type="checkbox"/>	3:00 PM	5:00 PM	Integrated planning for renewable integration: focus on offshore wind and inverter based challenges	Panel	Renewables Systems Integration Coordinating	Room 433–434
<input type="checkbox"/>	3:00 PM	5:00 PM	Intelligent Optimization Methods Applied to Power System Protection	Panel	(AMPS) Intelligent Systems	Room 439
<input type="checkbox"/>	3:00 PM	5:00 PM	Performance Specifications and Validation Methods for Grid-Forming Inverter-based Resources	Panel	Energy Development and Power Generation	Room 427
<input type="checkbox"/>	3:00 PM	5:00 PM	Young Professionals Panel Session	Panel	Admin	Room 430

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Monday 7/22 continued

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	3:00 PM	6:00 PM	Energy forecasting and Analytics WG Meeting	Committee Meeting	PSOPE—Power System Economics Subcommittee	Room 332
<input type="checkbox"/>	3:30 PM	5:00 PM	PEEC University Education Subcommittee	Committee Meeting	Power & Energy Education	Room 323
<input type="checkbox"/>	3:30 PM	5:00 PM	Cap SC Capacitor GMD Mitigation TF	Committee Meeting	Transmission and Distribution	Room 336
<input type="checkbox"/>	3:30 PM	5:30 PM	HVDC & FACTS Planning of HVDC & applications of VSC HVDC WG	Committee Meeting	Transmission and Distribution	Room 340
<input type="checkbox"/>	4:00 PM	5:00 PM	Task Force on Adjustable Speed Pump Storage Modeling	Committee Meeting	Power System Dynamic Performance	Room 346
<input type="checkbox"/>	4:00 PM	5:00 PM	P1129 Revision Discussion Group	Committee Meeting	Electric Machinery	Room 327
<input type="checkbox"/>	4:00 PM	5:00 PM	TF on Design BPS-Connected Inverter-Based Resource (IBR) Models for Grid Planning Meeting	Committee Meeting	PSOPE—Bulk Power System Planning Subcommittee	Room 330
<input type="checkbox"/>	4:00 PM	5:00 PM	Task Force on Risk Mitigation in Bulk Power System Operation	Committee Meeting	PSOPE—Bulk Power System Operations Subcommittee	Room 333
<input type="checkbox"/>	4:00 PM	5:00 PM	OHL Std 691 TF—Guide for Transmission Structure Foundation Design and Testing	Committee Meeting	Transmission and Distribution	Room 341
<input type="checkbox"/>	4:00 PM	5:00 PM	PQ SC Voltage Sag Indices TF (IEEE Std 1564)	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	4:00 PM	5:00 PM	Renewable Technologies Subcommittee	Committee Meeting	Energy Development and Power Generation	Room 322
<input type="checkbox"/>	5:00 PM	7:00 PM	(AMPS) Big Data Analytics Poster Session	Poster Session	(AMPS) Big Data Analytics	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	(AMPS) Computer Analytical Methods Poster Session	Poster Session	(AMPS) Computer Analytical Methods	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	(AMPS) Distribution System Analysis Poster Session	Poster Session	(AMPS) Distribution System Analysis	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	(AMPS) Intelligent Systems Poster Session	Poster Session	(AMPS) Intelligent Systems	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	(AMPS) Reliability and Risk Analysis Poster Session	Poster Session	(AMPS) Reliability and Risk Analysis	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	(AMPS) Transient Analysis and Simulation Poster Session	Poster Session	(AMPS) Transient Analysis and Simulation	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Analytic Methods for Power Systems Poster Session	Poster Session	Analytic Methods for Power Systems	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Electric Machinery Poster Session	Poster Session	Electric Machinery	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Energy Development and Power Generation Poster Session	Poster Session	Energy Development and Power Generation	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Energy Internet Coordinating Committee Poster Session	Poster Session	Energy Internet Coordinating Committee	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Energy Storage & Stationary Battery Poster Session	Poster Session	Energy Storage & Stationary Battery	Flex BC

Monday 7/22 continued

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	5:00 PM	7:00 PM	Grid & Emerging Technologies Coordinating Committee Poster Session	Poster Session	Grid & Emerging Technologies Coordinating Committee	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Insulated Conductors Poster Session	Poster Session	Insulated Conductors	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Marine Systems Coordinating Poster Session	Poster Session	Marine Systems Coordinating	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Power & Energy Education Poster Session	Poster Session	Power & Energy Education	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Power System Dynamic Performance Poster Session	Poster Session	Power System Dynamic Performance	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Power System Instrumentation and Measurements Poster Session	Poster Session	Power System Instrumentation and Measurements	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Power System Operation, Planning & Economics Poster Session	Poster Session	Power System Operation, Planning & Economics	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Power Systems Communications & Cyber Security Poster Session	Poster Session	Power Systems Communications & Cyber Security	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Power Systems Relaying & Control Poster Session	Poster Session	Power Systems Relaying & Control	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	PSOPE Bulk Power System Operations Subcommittee Poster Session	Poster Session	PSOPE—Bulk Power System Operations Subcommittee	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	PSOPE Bulk Power System Planning Subcommittee Poster Session	Poster Session	PSOPE—Bulk Power System Planning Subcommittee	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	PSOPE Distribution System Operation and Planning Subcommittee Poster Session	Poster Session	PSOPE—Distribution System Operation and Planning Subcommittee	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	PSOPE Power System Economics Subcommittee Poster Session	Poster Session	PSOPE—Power System Economics Subcommittee	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	PSOPE Technologies & Innovation Subcommittee Poster Session	Poster Session	PSOPE—Technologies & Innovation Subcommittee	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Renewables Systems Integration Coordinating Poster Session	Poster Session	Renewables Systems Integration Coordinating	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Smart Buildings, Loads & Customer Systems Poster Session	Poster Session	Smart Buildings, Loads & Customer Systems	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Switchgear Poster Session	Poster Session	Switchgear	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Transformers Poster Session	Poster Session	Transformers	Flex BC
<input type="checkbox"/>	5:00 PM	7:00 PM	Transmission and Distribution Poster Session	Poster Session	Transmission and Distribution	Flex BC

Tuesday, July 23

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	6:30 AM	8:00 AM	Attendee Breakfast	Breakfast	Admin	Flex BC
<input type="checkbox"/>	6:30 AM	8:00 AM	Presenters' Breakfast	Breakfast	Admin	Flex A
<input type="checkbox"/>	6:30 AM	7:00 PM	Registration	Committee Meeting	Admin	Summit Lobby
<input type="checkbox"/>	7:00 AM	9:00 AM	Student Poster Competition	Poster Session	Power & Energy Education	Flex BC
<input type="checkbox"/>	8:00 AM	8:30 AM	ESMOL 1307 Fall Protection Study Group	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	8:00 AM	9:00 AM	Task Force on Forced Oscillations	Committee Meeting	Power System Dynamic Performance	Room 344
<input type="checkbox"/>	8:00 AM	9:00 AM	Task Force on Energy Equity	Committee Meeting	PSOPE—Bulk Power System Operations Subcommittee	Room 333
<input type="checkbox"/>	8:00 AM	9:00 AM	Demand Response in the DER Era Task Force Meeting	Committee Meeting	PSOPE—Power System Economics Subcommittee	Room 323
<input type="checkbox"/>	8:00 AM	9:00 AM	OHL Std 1368 TF—Guide for Aeolian Vibration Field Measurement	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	8:00 AM	9:00 AM	PQ SC Voltage Quality WG (IEEE Std 1250)	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	8:00 AM	9:00 AM	Excitation and Control System 421.2 Standard Revision	Committee Meeting	Energy Development and Power Generation	Room 325
<input type="checkbox"/>	8:00 AM	9:00 AM	Asian and Australasian Electricity Infrastructure Working Group	Committee Meeting	Energy Development and Power Generation	Room 326
<input type="checkbox"/>	8:00 AM	9:30 AM	Reliability Impacts of Inverter-Based Resources WG	Committee Meeting	Transmission and Distribution	Room 346
<input type="checkbox"/>	8:00 AM	9:30 AM	Distribution SC Smart Distribution Working Group	Committee Meeting	Transmission and Distribution	Room 347
<input type="checkbox"/>	8:00 AM	10:00 AM	State of the art in incorporation of weather data in reliability and resilience studies of the power system	Panel	PSOPE—Bulk Power System Planning Subcommittee	Room 430
<input type="checkbox"/>	8:00 AM	10:00 AM	Harnessing DLT in the Energy Sector—Exploring Potential, Use Cases, Standardization, and Global Perspectives	Panel	Smart Buildings, Loads & Customer Systems	Room 431
<input type="checkbox"/>	8:00 AM	10:00 AM	Improving Protection of Low-Voltage Networks with High DER	Panel	Power Systems Relaying & Control	Room 427
<input type="checkbox"/>	8:00 AM	10:00 AM	Transactions on Sustainable Energy Editorial Board Meeting	Committee Meeting	Admin	Room 334
<input type="checkbox"/>	8:00 AM	10:00 AM	Role of Energy Storage to Support Reliability, Resilience, and Decarbonization of the Power Grid: Current State, Challenges, and Best Practices	Panel	Energy Storage & Stationary Battery	Room 429
<input type="checkbox"/>	8:00 AM	10:00 AM	OHL Std 1724 TF—Guide for the Preparation of a T-Line Design Criteria Document	Committee Meeting	Transmission and Distribution	Room 342
<input type="checkbox"/>	8:00 AM	10:00 AM	Wind and Solar Grounding Task Force (PAR 2778)	Committee Meeting	Energy Development and Power Generation	Room 324

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	8:00 AM	10:00 AM	Intelligent Systems Subcommittee Meeting	Committee Meeting	(AMPS) Intelligent Systems	Room 327
<input type="checkbox"/>	8:00 AM	10:00 AM	European Energy Projects and Grid Development Activities	Panel	Energy Development and Power Generation	Room 428
<input type="checkbox"/>	8:00 AM	10:00 AM	Representation and Characterization of (New Types of) Dynamic Interactions in Converter Dominated Power Systems	Panel	Power System Dynamic Performance	Room 433
<input type="checkbox"/>	8:00 AM	10:00 AM	Full EMT Simulation of Large Power Systems	Panel	(AMPS) Transient Analysis and Simulation	Room 420
<input type="checkbox"/>	8:00 AM	10:00 AM	Offshore HVDC Backbone Design and Development	Panel	PSOPE—Bulk Power System Planning Subcommittee	Room 421
<input type="checkbox"/>	8:00 AM	10:00 AM	Renewable Energy and Grid Integration with GFL and GFM Inverters	Panel	Energy Development and Power Generation	Room 440
<input type="checkbox"/>	8:00 AM	10:00 AM	Late Breaking News: A Fast Lap: Electric Transportation around IEEE	Super Session	Super Session	Terrace Suite
<input type="checkbox"/>	8:00 AM	10:00 AM	Membership Development Committee	Committee Meeting	Admin	Room 328
<input type="checkbox"/>	8:00 AM	12:00 PM	Analytic Methods for Power Systems—1	Paper Forum	Admin	Room 445
<input type="checkbox"/>	8:00 AM	12:00 PM	Analytic Methods for Power Systems—2	Paper Forum	Admin	Room 446
<input type="checkbox"/>	8:00 AM	12:00 PM	Latest Developments in HVdc for Resilience & Wind Integration & EMT Test Platforms	Panel	Substations	Room 432
<input type="checkbox"/>	8:00 AM	12:00 PM	Grid Forming Performance and Interconnection Lessons Learned	Panel	Electric Machinery	Room 443–444
<input type="checkbox"/>	8:00 AM	12:00 PM	Voltage and Current Sensor Applications—From Planning to Field Validation	Panel	Power System Instrumentation and Measurements	Room 441
<input type="checkbox"/>	8:00 AM	5:00 PM	Plain Talk: Power System Basics—Understanding How the Bulk Electric Power System Works— Separate Registration Fee Required	Plain Talk	Admin	Room 340
<input type="checkbox"/>	8:30 AM	10:00 AM	ESMOL 1048 IEEE Guide for Protective Grounding of Power Lines	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	9:00 AM	10:00 AM	TASS Real-Time Simulation of Power and Energy Systems TF	Committee Meeting	(AMPS) Transient Analysis and Simulation	Room 341
<input type="checkbox"/>	9:00 AM	10:00 AM	WG on Dynamic Performance of RE Systems	Committee Meeting	Power System Dynamic Performance	Room 422

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	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	9:00 AM	10:00 AM	Working Group on Power System Static and Dynamic State Estimation	Committee Meeting	PSOPE—Bulk Power System Operations Subcommittee	Room 333
<input type="checkbox"/>	9:00 AM	10:00 AM	OHL Conductor Ratings Application Guide Study Group	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	9:00 AM	10:00 AM	Excitation and Control System 421.4 Standard Revision	Committee Meeting	Energy Development and Power Generation	Room 325
<input type="checkbox"/>	9:00 AM	10:00 AM	Task Force on Future TSO-DSO Interaction: Challenges, Business Cases and Solutions	Committee Meeting	PSOPE—Distribution System Operation and Planning Subcommittee	Room 336
<input type="checkbox"/>	9:00 AM	10:00 AM	Resilience: from weather events to cyber-attacks—WIP	Panel	Admin	Room 434
<input type="checkbox"/>	9:00 AM	11:00 AM	WG on Asset Management Meeting	Committee Meeting	PSOPE—Distribution System Operation and Planning Subcommittee	Room 335
<input type="checkbox"/>	9:00 AM	11:00 AM	PQ SC Grid Modernization TF	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	9:00 AM	12:00 PM	Cap SC Shunt Capacitor WG	Committee Meeting	Transmission and Distribution	Room 329
<input type="checkbox"/>	9:30 AM	11:00 AM	Transmission SC Generation and Energy Storage Integration WG	Committee Meeting	Transmission and Distribution	Room 346
<input type="checkbox"/>	9:30 AM	11:00 AM	Distribution SC DMS Advanced Applications Integration Working Group	Committee Meeting	Transmission and Distribution	Room 347
<input type="checkbox"/>	10:00 AM	11:00 AM	Working Group on Probability Applications for Common Mode and dependent outage Events (PACME) in Electric Power Systems	Committee Meeting	(AMPS) Reliability and Risk Analysis	Room 322
<input type="checkbox"/>	10:00 AM	11:00 AM	SBLC—Task Force on Grid-Interactive Electric Vehicle Charging Infrastructure	Committee Meeting	Smart Buildings, Loads & Customer Systems	Room 332
<input type="checkbox"/>	10:00 AM	11:00 AM	Task Force on Advanced Intelligence Techniques for Resilient Power System Restoration	Committee Meeting	PSOPE—Bulk Power System Operations Subcommittee	Room 333
<input type="checkbox"/>	10:00 AM	11:00 AM	Working Group on Power System Restoration	Committee Meeting	PSOPE—Bulk Power System Operations Subcommittee	Room 334
<input type="checkbox"/>	10:00 AM	11:00 AM	WG on Modern and Future Distribution System Planning	Committee Meeting	PSOPE—Distribution System Operation and Planning Subcommittee	Room 336

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Notes



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	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	10:00 AM	11:00 AM	TF on Reinforcement Learning for Power System Dynamic Control	Committee Meeting	PSOPE—Technologies & Innovation Subcommittee	Room 330
<input type="checkbox"/>	10:00 AM	11:00 AM	SBLC—Architecture Subcommittee Meeting	Committee Meeting	Smart Buildings, Loads & Customer Systems	Room 328
<input type="checkbox"/>	10:00 AM	11:00 AM	ESMOL Live Working Ropes Paper	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	10:00 AM	11:30 AM	IEEE Power System Analysis on GPU and Heterogeneous Computing TF	Committee Meeting	(AMPS) Computer Analytical Methods	Room 326
<input type="checkbox"/>	10:00 AM	12:00 PM	Industry Experiences with Grid Edge Technologies Deployment: Trends, Challenges, and Strategies	Panel	PSOPE—Distribution System Operation and Planning Subcommittee	Room 421
<input type="checkbox"/>	10:00 AM	12:00 PM	Voltage ride-through performance requirements for IBRs considering needs of the power grid	Panel	Power Systems Relaying & Control	Room 427
<input type="checkbox"/>	10:00 AM	12:00 PM	Pathway to Unify Aggregated DER Benefits for Transmission and Distribution Systems	Panel	Smart Buildings, Loads & Customer Systems	Room 431
<input type="checkbox"/>	10:00 AM	12:00 PM	Interoperability of (VSC) HVDC—Results from the interopera project	Panel	Transmission and Distribution	Room 433
<input type="checkbox"/>	10:00 AM	12:00 PM	Generic models of renewable resources in commercial transient stability programs—new models, new dynamics, and recent experiences	Panel	Power System Dynamic Performance	Room 422
<input type="checkbox"/>	10:00 AM	12:00 PM	EICC Annual Meeting	Committee Meeting	Energy Internet Coordinating Committee	Room 327
<input type="checkbox"/>	10:00 AM	12:00 PM	Transactions on Energy Markets, Policy and Regulation Editorial Board Meeting	Committee Meeting	Admin	Room 323
<input type="checkbox"/>	10:00 AM	12:00 PM	PEEC Main Committee	Committee Meeting	Power & Energy Education	Room 342
<input type="checkbox"/>	10:00 AM	12:00 PM	Technology and Innovation Subcommittee Meeting	Committee Meeting	PSOPE—Technologies & Innovation Subcommittee	Room 331
<input type="checkbox"/>	10:00 AM	12:00 PM	OHL Lightning Performance of OH Lines WG	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	10:00 AM	12:00 PM	Excitation and Control System 421.5 Standard Revision	Committee Meeting	Energy Development and Power Generation	Room 325
<input type="checkbox"/>	10:00 AM	12:00 PM	Latin American Infrastructure Working Group	Committee Meeting	Energy Development and Power Generation	Room 324
<input type="checkbox"/>	10:00 AM	12:00 PM	Wind and Solar Interconnection Working Group	Committee Meeting	Energy Development and Power Generation	Room 344
<input type="checkbox"/>	10:00 AM	12:00 PM	Novel Computing Platforms for Integration of Renewable Energy Sources	Panel	(AMPS) Computer Analytical Methods	Room 439
<input type="checkbox"/>	10:00 AM	12:00 PM	Late Breaking News: Weather-Aware Grid Operation	Super Session	Super Session	Terrace Suite
<input type="checkbox"/>	10:00 AM	12:00 PM	Resource Adequacy and Flexibility in a Decarbonizing System	Panel	Renewables Systems Integration Coordinating	Room 430

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	10:00 AM	12:00 PM	IEEE PES Workforce Initiative: Industry and Academic Perspectives on Recruitment and Retention of Power Engineers	Panel	Admin	Room 443-444
<input type="checkbox"/>	10:00 AM	12:00 PM	Europe 2030—Multi Energy System Planning and Operation Across Energy Sectors	Panel	Energy Development and Power Generation	Room 428
<input type="checkbox"/>	10:00 AM	12:00 PM	Energy Storage Equity and Environmental Justice	Panel	Energy Storage & Stationary Battery	Room 429
<input type="checkbox"/>	10:00 AM	12:00 PM	PNNL/WSU Advanced Grid Institute	Panel	Local Organizing Committee	Room 420
<input type="checkbox"/>	10:30 AM	11:00 AM	Discussion with 2025 Power Tech LOC	Committee Meeting	Admin	Room 338
<input type="checkbox"/>	11:00 AM	12:00 PM	Task Force on Composite System Reliability	Committee Meeting	(AMPS) Reliability and Risk Analysis	Room 322
<input type="checkbox"/>	11:00 AM	12:00 PM	Bulk Power System Operation Subcommittee Meeting	Committee Meeting	PSOPE—Bulk Power System Operations Subcommittee	Room 334
<input type="checkbox"/>	11:00 AM	12:00 PM	Task Force on Impacts of Inverter-Based Resource and Distributed Energy Resource Integration on Operations	Committee Meeting	PSOPE—Bulk Power System Operations Subcommittee	Room 333
<input type="checkbox"/>	11:00 AM	12:00 PM	Task Force on Digital Twin of Large Scale Power Systems Meeting	Committee Meeting	PSOPE—Technologies & Innovation Subcommittee	Room 330
<input type="checkbox"/>	11:00 AM	12:00 PM	TF on Power System Synthetic Data Generation and Sharing	Committee Meeting	PSOPE—Technologies & Innovation Subcommittee	Room 328
<input type="checkbox"/>	11:00 AM	12:00 PM	ESMOL Live Working Insulator Guide	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	11:00 AM	12:00 PM	PQ SC Flicker TF (IEEE Std 1453)	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	11:00 AM	12:30 PM	Transmission SC Voltage Optimization WG	Committee Meeting	Transmission and Distribution	Room 346
<input type="checkbox"/>	11:30 AM	1:00 PM	IEEE Energy Sustainability Magazine Editorial Board Meeting	Committee Meeting	Admin	Room 336
<input type="checkbox"/>	11:30 AM	1:15 PM	CIGRE UNSC Luncheon	Luncheon	Other	Signature Room
<input type="checkbox"/>	12:00 PM	1:00 PM	AMPS ISS joint annual meeting of WG on Modern Heuristic Optimization and TF on Modern Heuristic Optimization Test Beds	Committee Meeting	(AMPS) Intelligent Systems	Room 338
<input type="checkbox"/>	12:00 PM	1:00 PM	PQ SC ICHQP Executive Committee	Committee Meeting	Transmission and Distribution	Room 343

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Notes

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	12:30 PM	2:00 PM	IEEE High Performance Computing for Grid Analysis and Operation	Committee Meeting	(AMPS) Computer Analytical Methods	Room 326
<input type="checkbox"/>	12:30 PM	2:00 PM	Distribution SC Distribution Switching and Protection Working Group	Committee Meeting	Transmission and Distribution	Room 347
<input type="checkbox"/>	12:30 PM	3:00 PM	Chapters and Membership Leadership Team Meeting	Committee Meeting	Admin	Room 330
<input type="checkbox"/>	1:00 PM	2:00 PM	AMPS ISS joint annual meeting of WG on Modern Heuristic Optimization and TF on Modern Heuristic Optimization Test Beds	Committee Meeting	(AMPS) Intelligent Systems	Room 338
<input type="checkbox"/>	1:00 PM	2:00 PM	Task Force on Power System Resilience Metrics and Evaluation Methods	Committee Meeting	(AMPS) Reliability and Risk Analysis	Room 322
<input type="checkbox"/>	1:00 PM	2:00 PM	SBLC—Task Force on Low-carbon Connected Communities	Committee Meeting	Smart Buildings, Loads & Customer Systems	Room 328
<input type="checkbox"/>	1:00 PM	2:00 PM	WG on Distribution Management System	Committee Meeting	PSOPE—Distribution System Operation and Planning Subcommittee	Room 336
<input type="checkbox"/>	1:00 PM	2:00 PM	PES GM Steering Committee	Committee Meeting	Admin	Room 339
<input type="checkbox"/>	1:00 PM	2:00 PM	ESMOL Arc Flash Task Group	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	1:00 PM	2:00 PM	Excitation and Control System Dynamics Technical Report	Committee Meeting	Energy Development and Power Generation	Room 325
<input type="checkbox"/>	1:00 PM	2:00 PM	Data-driven Modeling, Monitoring and Control in Power Distribution Networks (WG)	Committee Meeting	(AMPS) Big Data Analytics	Room 331
<input type="checkbox"/>	1:00 PM	2:00 PM	Big Data Webinar Series (WG)	Committee Meeting	(AMPS) Big Data Analytics	Room 332
<input type="checkbox"/>	1:00 PM	2:30 PM	OHL HVDC Lines WG	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	1:00 PM	2:30 PM	PQ SC Voltage Unbalance (P2844)	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	1:00 PM	2:30 PM	Electricity Metering Subcommittee	Committee Meeting	Power System Instrumentation and Measurements	Room 334
<input type="checkbox"/>	1:00 PM	3:00 PM	Evolving Interconnection Procedures: Coordination of Transmission and Generation Expansion	Panel	PSOPE—Bulk Power System Planning Subcommittee	Room 421
<input type="checkbox"/>	1:00 PM	3:00 PM	Revisiting Harmonic Phasors in Intelligent Networks: Concept, Algorithms, Estimation, Measurement, Implementation, and Applications	Panel	Transmission and Distribution	Room 433
<input type="checkbox"/>	1:00 PM	3:00 PM	Flexible Loads Decarbonization: Behind-the-meter Electrical Capacity Constraints and Carbon-Aware Control Opportunities	Panel	Smart Buildings, Loads & Customer Systems	Room 431
<input type="checkbox"/>	1:00 PM	3:00 PM	WG on Voltage Stability	Committee Meeting	Power System Dynamic Performance	Room 344
<input type="checkbox"/>	1:00 PM	3:00 PM	PEEC Student Meetings Subcommittee	Committee Meeting	Power & Energy Education	Room 323

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	1:00 PM	3:00 PM	WG on Natural Disaster Mitigation Methods and Operation Technology	Committee Meeting	PSOPE—Technologies & Innovation Subcommittee	Room 342
<input type="checkbox"/>	1:00 PM	3:00 PM	Planning, grid integration, and real-time operation of hydrogen assets in power systems	Panel	PSOPE—Technologies & Innovation Subcommittee	Room 430
<input type="checkbox"/>	1:00 PM	3:00 PM	LDES Technologies, Markets, Policy and Integration Landscape	Panel	Energy Storage & Stationary Battery	Room 429
<input type="checkbox"/>	1:00 PM	3:00 PM	Experiences in Use of Transient Stability Assessment Tools in Control Centers	Panel	Power System Dynamic Performance	Room 422
<input type="checkbox"/>	1:00 PM	3:00 PM	Current Limiting and Fault Ridethrough Control of Grid-Connected Grid-Forming Inverters I	Panel	Electric Machinery	Room 420
<input type="checkbox"/>	1:00 PM	3:00 PM	HVDC Grid Evolvement and Related Grid Transformation in Europe	Panel	Energy Development and Power Generation	Room 440
<input type="checkbox"/>	1:00 PM	3:00 PM	Off-shore Wind Integration	Panel	Industry Technical Support Leadership Committee	Room 434
<input type="checkbox"/>	1:00 PM	3:00 PM	NPEC Efforts to Address Advanced Reactor Needs and Promote Standards Harmonization	Panel	Nuclear Power Engineering	Room 428
<input type="checkbox"/>	1:00 PM	3:00 PM	Planning for Uncertainty in Power Grid Operations	Super Session	Super Session	Terrace Suite
<input type="checkbox"/>	1:00 PM	3:00 PM	Emerging VSC STATCOM Technologies	Panel	Substations	Room 432
<input type="checkbox"/>	1:00 PM	3:00 PM	A Review of Utilities' Plans to Further Enhance Planning Tools, Models, and Strategies for Accelerating the Generation Interconnection Process, Including FERC Order No. 2023, Interconnection Procedures, and T&D Perspectives	Panel	Industry Technical Support Leadership Committee	Room 427
<input type="checkbox"/>	1:00 PM	4:30 PM	Technical Council, Technical Sessions Committee	Committee Meeting	Admin	Room 333
<input type="checkbox"/>	1:00 PM	5:00 PM	Analytic Methods for Power Systems—3	Paper Forum	Admin	Room 445
<input type="checkbox"/>	1:00 PM	5:00 PM	Grid Emerging Technologies	Paper Forum	Admin	Room 446
<input type="checkbox"/>	1:00 PM	5:00 PM	Sensor data-driven applications for IBRs in Transmission and Distribution Network	Panel	Grid & Emerging Technologies Coordinating Committee	Room 441
<input type="checkbox"/>	1:30 PM	3:00 PM	Transmission SC Grid-Enhancing Technologies WG	Committee Meeting	Transmission and Distribution	Room 346

**Please check the IEEE PES GM mobile app for the latest program and event updates.*

Notes



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	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	1:30 PM	4:00 PM	Cap SC Shunt Capacitor App Guide P1036 WG	Committee Meeting	Transmission and Distribution	Room 329
<input type="checkbox"/>	2:00 PM	3:00 PM	TASS Dynamic Phasor Modeling Technique TF	Committee Meeting	(AMPS) Transient Analysis and Simulation	Room 341
<input type="checkbox"/>	2:00 PM	3:00 PM	Power System Dynamic Measurements Working Group	Committee Meeting	Power System Dynamic Performance	Room 335
<input type="checkbox"/>	2:00 PM	3:00 PM	Smart Buildings—Loads—Customer Systems (SBLC) Technical Committee Meeting	Committee Meeting	Smart Buildings, Loads & Customer Systems	Room 336
<input type="checkbox"/>	2:00 PM	3:00 PM	2025 GTD Asia	Committee Meeting	Admin	Room 339
<input type="checkbox"/>	2:00 PM	3:00 PM	ESMOL 1070 IEEE Guide for the Design and Testing of Transmission Modular Restoration Structure Components	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	2:00 PM	3:00 PM	Excitation and Control System Subcommittee	Committee Meeting	Energy Development and Power Generation	Room 325
<input type="checkbox"/>	2:00 PM	3:00 PM	Big Data & Analytics for Transmission Systems (WG)	Committee Meeting	(AMPS) Big Data Analytics	Room 331
<input type="checkbox"/>	2:00 PM	3:00 PM	Cloud for Grid Modernization and Digital Transformation, (WG)	Committee Meeting	(AMPS) Big Data Analytics	Room 332
<input type="checkbox"/>	2:00 PM	3:15 PM	CIGRE UNSC Executive Committee Meeting	Committee Meeting	Other	Room 324
<input type="checkbox"/>	2:00 PM	4:00 PM	IEEE RRPSC Meeting	Committee Meeting	(AMPS) Reliability and Risk Analysis	Room 322
<input type="checkbox"/>	2:00 PM	4:00 PM	IEEE Understanding, Prediction, Prevention and Restoration of Cascading Failures	Committee Meeting	(AMPS) Computer Analytical Methods	Room 327
<input type="checkbox"/>	2:00 PM	5:00 PM	Distribution SC Distribution Reliability Working Group	Committee Meeting	Transmission and Distribution	Room 347
<input type="checkbox"/>	2:30 PM	3:30 PM	PQ SC Power Quality Interest Group	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	2:30 PM	4:00 PM	OHL Management of Existing Lines WG	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	3:00 PM	4:00 PM	PSDP Working Group on Dynamic Security Assessment	Committee Meeting	Power System Dynamic Performance	Room 422
<input type="checkbox"/>	3:00 PM	4:00 PM	Task Force on Datasets for Machine Learning of Dynamic Stability Prediction	Committee Meeting	Power System Dynamic Performance	Room 344

**Please check the IEEE PES GM mobile app for the latest program and event updates.*

Notes

Tuesday 7/23 continued

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	3:00 PM	4:00 PM	WG on Transmission System Planning Meeting	Committee Meeting	PSOPE—Bulk Power System Planning Subcommittee	Room 330
<input type="checkbox"/>	3:00 PM	4:00 PM	Economics of emerging technologies WG Meeting	Committee Meeting	PSOPE—Power System Economics Subcommittee	Room 325
<input type="checkbox"/>	3:00 PM	4:00 PM	TF on Energy Storage Analytics (TF)	Committee Meeting	(AMPS) Big Data Analytics	Room 331
<input type="checkbox"/>	3:00 PM	4:00 PM	Big Data & Analytics for Security and Resilience of Power Systems (TF)	Committee Meeting	(AMPS) Big Data Analytics	Room 332
<input type="checkbox"/>	3:00 PM	4:30 PM	Transactions on Smart Grid Editorial Board Meeting	Committee Meeting	Admin	Room 335
<input type="checkbox"/>	3:00 PM	5:00 PM	Challenges and Opportunities from Integration of Electric Vehicle Charging	Panel	Smart Buildings, Loads & Customer Systems	Room 431
<input type="checkbox"/>	3:00 PM	5:00 PM	Power Delivery Systems of the Future—Designing a Flexible and Resilient Grid	Panel	Transmission and Distribution	Room 433
<input type="checkbox"/>	3:00 PM	5:00 PM	SBLC—Task Force on Standards-based Integration of Grid-interactive Efficient Customer Systems	Committee Meeting	Smart Buildings, Loads & Customer Systems	Room 328
<input type="checkbox"/>	3:00 PM	5:00 PM	Convergence of AI- and Physics-based Approaches in Power System Analysis, Optimization, and Control	Panel	PSOPE—Technologies & Innovation Subcommittee	Room 430
<input type="checkbox"/>	3:00 PM	5:00 PM	Fellows Committee	Committee Meeting	Admin	Room 326
<input type="checkbox"/>	3:00 PM	5:00 PM	Open Access Journal of Power and Energy Editorial Board Meeting	Committee Meeting	Admin	Room 336
<input type="checkbox"/>	3:00 PM	5:00 PM	Transmission SC Transmission Subcommittee	Committee Meeting	Transmission and Distribution	Room 346
<input type="checkbox"/>	3:00 PM	5:00 PM	Addressing Large Power Transformer Bushing Seismic Vulnerability	Panel	Substations	Room 432
<input type="checkbox"/>	3:00 PM	5:00 PM	Restoration for IBR-dominated Power Systems	Panel	Power System Dynamic Performance	Room 443–444
<input type="checkbox"/>	3:00 PM	5:00 PM	Artificial Grid Intelligence—European Solutions	Panel	Energy Development and Power Generation	Room 428
<input type="checkbox"/>	3:00 PM	5:00 PM	Current Limiting and Fault Ridethrough Control of Grid-Connected Grid-Forming Inverters II	Panel	Electric Machinery	Room 420
<input type="checkbox"/>	3:00 PM	5:00 PM	Intelligent Control and Co-ordination of Inverter Based Resources in Future Power Systems	Panel	(AMPS) Intelligent Systems	Room 439
<input type="checkbox"/>	3:00 PM	5:00 PM	Advances in Hardware in the Loop Setups for Supporting the Energy Transition—a European Perspective	Panel	Energy Development and Power Generation	Room 440
<input type="checkbox"/>	3:00 PM	5:00 PM	Energy Storage Analytics and Software Tools	Panel	Energy Storage & Stationary Battery	Room 429
<input type="checkbox"/>	3:00 PM	5:00 PM	Aligning Engineering and Planning with Evolving Policies and Regulations	Panel	Industry Technical Support Leadership Committee	Room 442
<input type="checkbox"/>	3:00 PM	5:00 PM	Resilient Control Architectures and Power Systems	Panel	Local Organizing Committee	Room 421

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	3:00 PM	5:00 PM	Off-Shore Wind Meeting Through ITS LC	Committee Meeting	Industry Technical Support Leadership Committee	Room 434
<input type="checkbox"/>	3:00 PM	5:00 PM	IC22-003: Mobile and Transportable Energy Storage Systems—Technology Readiness, Safety and Operation	Committee Meeting	Admin	Room 338
<input type="checkbox"/>	3:00 PM	7:00 PM	Role of ML/AI in enabling and protecting the grid of the future	Panel	Power Systems Relaying & Control	Room 427
<input type="checkbox"/>	3:30 PM	5:00 PM	PQ SC Power Quality Standards Coordinating Subcommittee 22	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	4:00 PM	5:00 PM	Task Force on Benchmark Networks for Low-Inertia Systems	Committee Meeting	Power System Dynamic Performance	Room 344
<input type="checkbox"/>	4:00 PM	5:00 PM	PEEC Awards Subcommittee	Committee Meeting	Power & Energy Education	Room 323
<input type="checkbox"/>	4:00 PM	5:00 PM	WG on Integrated Resource Planning Meeting	Committee Meeting	PSOPE—Bulk Power System Planning Subcommittee	Room 330
<input type="checkbox"/>	4:00 PM	5:00 PM	Financial Conferences in Region 9	Committee Meeting	Admin	Room 339
<input type="checkbox"/>	4:00 PM	5:00 PM	Market Design and Operation WG Meeting	Committee Meeting	PSOPE—Power System Economics Subcommittee	Room 325
<input type="checkbox"/>	4:00 PM	5:00 PM	Cap SC Guide for Application & Specification of Harmonic Filter WG	Committee Meeting	Transmission and Distribution	Room 329
<input type="checkbox"/>	4:00 PM	5:00 PM	Microgrid Applications and Implementation Working Group	Committee Meeting	Energy Development and Power Generation	Room 332
<input type="checkbox"/>	4:00 PM	5:00 PM	Big Data Analytics for Synchro-Waveform Measurements (TF)	Committee Meeting	(AMPS) Big Data Analytics	Room 331
<input type="checkbox"/>	4:00 PM	5:00 PM	Overview of the Fellow nomination process and FNRC support	Panel	Admin	Room 422
<input type="checkbox"/>	4:00 PM	5:30 PM	OHL Changes to the NESC WG	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	5:00 PM	6:00 PM	Distributed Energy Resources Subcommittee	Committee Meeting	Energy Development and Power Generation	Room 332
<input type="checkbox"/>	5:00 PM	7:00 PM	Awards Reception (By Invitation Only)	Reception	Admin	Signature Room
<input type="checkbox"/>	6:00 PM	7:00 PM	Distributed Battery Storage Management Systems Working Group	Committee Meeting	Energy Development and Power Generation	Room 332
<input type="checkbox"/>	7:00 PM	10:00 PM	Awards Gala— Separate Ticket Required	Dinner		Ballroom 1

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Notes

Wednesday, July 24

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	6:30 AM	8:00 AM	Attendee Breakfast	Breakfast	Admin	Flex BC
<input type="checkbox"/>	6:30 AM	8:00 AM	Presenters' Breakfast	Breakfast	Admin	Flex A
<input type="checkbox"/>	6:30 AM	4:00 PM	Registration	Committee Meeting	Admin	Summit Lobby
<input type="checkbox"/>	8:00 AM	9:00 AM	PSDP Power System Stability Subcommittee	Committee Meeting	Power System Dynamic Performance	Room 344
<input type="checkbox"/>	8:00 AM	9:00 AM	Energy policy and regulation WG Meeting	Committee Meeting	PSOPE—Power System Economics Subcommittee	Room 333
<input type="checkbox"/>	8:00 AM	9:00 AM	OHL Std 1283 TF—Guide for Determining the Effects of High-Temperature Operation on Conductors, Connectors and Accessories	Committee Meeting	Transmission and Distribution	Room 346
<input type="checkbox"/>	8:00 AM	9:00 AM	ESMOL 1882 IEEE Draft Guide for Establishing, Benchmarking, and Maintaining a Working Program for Energized Transmission Lines	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	8:00 AM	9:00 AM	AMPS Administrative meeting	Committee Meeting	Analytic Methods for Power Systems	Room 334
<input type="checkbox"/>	8:00 AM	10:00 AM	The roles of Pumped Storage Hydro in modern power systems Sponsored (Co-sponsored) By	Panel	Power System Dynamic Performance	Room 422
<input type="checkbox"/>	8:00 AM	10:00 AM	Proactive Distribution Planning for Reliability and Resilience	Panel	PSOPE—Distribution System Operation and Planning Subcommittee	Room 431
<input type="checkbox"/>	8:00 AM	10:00 AM	Transportation Electrification	Panel	Power Systems Communications & Cyber Security	Room 427
<input type="checkbox"/>	8:00 AM	10:00 AM	Three Lines of Defense for Wildfire Resilience in Electric Power Infrastructure	Panel	Industry Technical Support Leadership Committee	Room 447–448
<input type="checkbox"/>	8:00 AM	10:00 AM	Power System Resilience Metrics: Practical applications and lessons learned	Panel	(AMPS) Reliability and Risk Analysis	Room 440
<input type="checkbox"/>	8:00 AM	10:00 AM	Contemplating the future of the Power Grid by Tracing its History	Panel	Power & Energy Education	Room 421
<input type="checkbox"/>	8:00 AM	10:00 AM	Synchrophasors-based methodologies for enhancing the flexibility of congested grids	Panel	PSOPE—Technologies & Innovation Subcommittee	Room 429
<input type="checkbox"/>	8:00 AM	10:00 AM	End-to-end DC systems	Panel	Transmission and Distribution	Room 433
<input type="checkbox"/>	8:00 AM	10:00 AM	Transactions on Energy Conversion Editorial Board Meeting	Committee Meeting	Admin	Room 331
<input type="checkbox"/>	8:00 AM	10:00 AM	OHL Std 524 TF—Guide to the Installation of TL Conductors	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	8:00 AM	10:00 AM	PQ SC Harmonics WG (IEEE Std 519)/(519.1)	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	8:00 AM	10:00 AM	Energy Development and Power Generation Committee—AdCom	Committee Meeting	Energy Development and Power Generation	Room 324
<input type="checkbox"/>	8:00 AM	10:00 AM	HVDC & FACTS LF AC transmission WG	Committee Meeting	Transmission and Distribution	Room 348

Wednesday 7/24 continued

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	8:00 AM	10:00 AM	Wind and Solar Collector Design Working Group	Committee Meeting	Energy Development and Power Generation	Room 330
<input type="checkbox"/>	8:00 AM	10:00 AM	Distribution Test Feeders for Dynamics and Hosting Capacity	Panel	(AMPS) Distribution System Analysis	Room 439
<input type="checkbox"/>	8:00 AM	10:00 AM	Resiliency of Power System for Sustainability	Panel	Energy Development and Power Generation	Room 441
<input type="checkbox"/>	8:00 AM	10:00 AM	Build for Tomorrow—Physical Resiliency Challenges in Substation	Panel	Substations	Room 430
<input type="checkbox"/>	8:00 AM	10:00 AM	Network transformation driven by Climate Change	Panel	Industry Technical Support Leadership Committee	Room 434
<input type="checkbox"/>	8:00 AM	10:00 AM	Significant Revisions to Power Quantity Definitions and Instrumentation Standards	Panel	Power System Instrumentation and Measurements	Room 420
<input type="checkbox"/>	8:00 AM	10:00 AM	Trends in Changing Power System Dynamics	Super Session	Super Session	Terrace Suite
<input type="checkbox"/>	8:00 AM	11:00 AM	Distribution SC Distribution Resiliency Working Group	Committee Meeting	Transmission and Distribution	Room 347
<input type="checkbox"/>	8:00 AM	11:30 AM	IEEE PES Scholarship Plus Initiative	Committee Meeting	Admin	Room 323
<input type="checkbox"/>	8:00 AM	12:00 PM	Interactions of IBRs with Grids: Challenges and Risk Mitigations	Panel	Electric Machinery	Room 433–434
<input type="checkbox"/>	8:00 AM	12:00 PM	Power System Operation, Planning, & Economics—1	Paper Forum	Admin	Room 445
<input type="checkbox"/>	8:00 AM	12:00 PM	Power System Operation, Planning, & Economics—2	Paper Forum	Admin	Room 446
<input type="checkbox"/>	8:00 AM	5:00 PM	Plain Talk: Distribution System—Delivering Power to the Customer— Separate registration fee required	Plain Talk	Admin	Room 340
<input type="checkbox"/>	9:00 AM	10:00 AM	PSDP Power System Stability Controls Subcommittee	Committee Meeting	Power System Dynamic Performance	Room 344
<input type="checkbox"/>	9:00 AM	10:00 AM	WG on Assessment of Power System Flexibility Meeting	Committee Meeting	PSOPE—Bulk Power System Planning Subcommittee	Room 332
<input type="checkbox"/>	9:00 AM	10:00 AM	WG on Energy Internet Meeting	Committee Meeting	PSOPE—Bulk Power System Planning Subcommittee	Room 334
<input type="checkbox"/>	9:00 AM	10:00 AM	Financial Conferences in Region 10	Committee Meeting	Admin	Room 326

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	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	9:00 AM	10:00 AM	Investments in infrastructure WG Meeting	Committee Meeting	PSOPE—Power System Economics Subcommittee	Room 333
<input type="checkbox"/>	9:00 AM	10:00 AM	OHL Std 987 TF—Polymer Insulator Application Guide	Committee Meeting	Transmission and Distribution	Room 346
<input type="checkbox"/>	9:00 AM	10:00 AM	ESMOL P2798 Guide for Helicopter Operations Procedures for the Utility Industry	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	9:00 AM	10:00 AM	WG on Sustainable Energy Systems for Developing Communities (SESDC)	Committee Meeting	PSOPE—Distribution System Operation and Planning Subcommittee	Room 325
<input type="checkbox"/>	9:00 AM	12:00 PM	AMPS Committee meeting	Committee Meeting	Analytic Methods for Power Systems	Room 340–342
<input type="checkbox"/>	10:00 AM	10:30 AM	OHL Std 1829 TF—Guide for Conducting Corona Tests on Hardware for OHL	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	10:00 AM	11:00 AM	Resource Adequacy Working Group	Committee Meeting	(AMPS) Reliability and Risk Analysis	Room 331
<input type="checkbox"/>	10:00 AM	11:00 AM	Financial Conferences in Region 8	Committee Meeting	Admin	Room 326
<input type="checkbox"/>	10:00 AM	11:00 AM	SBLC—Loads Subcommittee Meeting	Committee Meeting	Smart Buildings, Loads & Customer Systems	Room 334
<input type="checkbox"/>	10:00 AM	11:00 AM	PQ SC Harmonics Modeling & Simulation TF	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	10:00 AM	11:00 AM	HVDC & FACTS Education WG	Committee Meeting	Transmission and Distribution	Room 346
<input type="checkbox"/>	10:00 AM	11:00 AM	Wind and Solar Design and Interconnection Subcommittee	Committee Meeting	Energy Development and Power Generation	Room 344
<input type="checkbox"/>	10:00 AM	11:00 AM	TF on Electrification on Native Lands	Committee Meeting	PSOPE—Distribution System Operation and Planning Subcommittee	Room 325
<input type="checkbox"/>	10:00 AM	11:30 AM	ESMOL 1067 IEEE Guide for In-Service Use, Care, Maintenance, and Testing of Conductive Clothing used for Live Working and/or Power Frequency AC induction Protection	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	10:00 AM	12:00 PM	PES Technical Roadmap	Panel	Admin	Room 431
<input type="checkbox"/>	10:00 AM	12:00 PM	IBR SSO—Events, Studies, Detection and Solutions	Committee Meeting	(AMPS) Transient Analysis and Simulation	Room 432
<input type="checkbox"/>	10:00 AM	12:00 PM	Grid Stabilization Capacitor Technologies	Panel	Transmission and Distribution	Room 433
<input type="checkbox"/>	10:00 AM	12:00 PM	Climate Resilience Practices: From Regulatory and Utility Frameworks to Industry Innovations	Panel	PSOPE—Bulk Power System Operations Subcommittee	Room 422
<input type="checkbox"/>	10:00 AM	12:00 PM	Research and Education Efforts on Uncertainty Quantification and Modeling	Panel	Power & Energy Education	Room 421
<input type="checkbox"/>	10:00 AM	12:00 PM	Transactions on Power Delivery Editorial Board Meeting	Committee Meeting	Admin	Room 332
<input type="checkbox"/>	10:00 AM	12:00 PM	Technical Council, Standards Coordination Committee	Committee Meeting	Admin	Room 330

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	10:00 AM	12:00 PM	Modernizing NERC Reliability Standards for Inverter-Based Resources: Status and Opportunities	Panel	Industry Technical Support Leadership Committee	Room 447-448
<input type="checkbox"/>	10:00 AM	12:00 PM	HVDC & FACTS end-to-end DC Task Force	Committee Meeting	Transmission and Distribution	Room 348
<input type="checkbox"/>	10:00 AM	12:00 PM	Substation Virtualization: Re-inventing Substation Protection, Automation, and Control	Panel	Power Systems Communications & Cyber Security	Room 427
<input type="checkbox"/>	10:00 AM	12:00 PM	Cybersecurity and Resiliency for EV Charging Infrastructure	Panel	(AMPS) Computer Analytical Methods	Room 439
<input type="checkbox"/>	10:00 AM	12:00 PM	Reinvention in the Power Sector in the Changing Scenario	Panel	Energy Development and Power Generation	Room 441
<input type="checkbox"/>	10:00 AM	12:00 PM	ML/AI for electricity market and grid operations under extreme weather	Panel	(AMPS) Big Data Analytics	Room 440
<input type="checkbox"/>	10:00 AM	12:00 PM	Realizable machine learning in resilient power grids: from lab developments to industrial applications	Panel	PSOPE—Bulk Power System Operations Subcommittee	Room 430
<input type="checkbox"/>	10:00 AM	12:00 PM	LDES Technologies, Markets, Policy and Integration Landscape	Panel	Energy Storage & Stationary Battery	Room 429
<input type="checkbox"/>	10:30 AM	12:00 PM	OHL Corona and Field Effects WG	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	11:00 AM	12:00 PM	Standard 762 Working Group	Committee Meeting	(AMPS) Reliability and Risk Analysis	Room 331
<input type="checkbox"/>	11:00 AM	12:00 PM	WG on Machine Learning for Power Systems Meeting	Committee Meeting	PSOPE—Technologies & Innovation Subcommittee	Room 334
<input type="checkbox"/>	11:00 AM	12:00 PM	TF on Microgrid Pre-feasibility Toolkit	Committee Meeting	PSOPE—Distribution System Operation and Planning Subcommittee	Room 325
<input type="checkbox"/>	11:30 AM	1:30 PM	Student Faculty Industry Luncheon— Separate Ticket Required	Luncheon	Admin	Ballroom 1
<input type="checkbox"/>	11:30 AM	6:00 PM	Technical Council/Lunch and Meeting	Committee Meeting	Admin	Room 327
<input type="checkbox"/>	12:00 PM	1:30 PM	CEP Luncheon	Luncheon	Admin	Room 336
<input type="checkbox"/>	12:00 PM	2:00 PM	Bulk Power System Planning Subcommittee Meeting	Committee Meeting	PSOPE—Bulk Power System Planning Subcommittee	Room 333
<input type="checkbox"/>	12:00 PM	2:00 PM	Bulk Power System Planning Subcommittee Meeting	Committee Meeting	PSOPE—Bulk Power System Planning Subcommittee	Room 333

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Notes

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	12:00 PM	2:00 PM	Power System Economics Subcommittee Meeting	Committee Meeting	PSOPE—Power System Economics Subcommittee	Room 335
<input type="checkbox"/>	12:00 PM	3:00 PM	Power & Energy Magazine Editorial Board	Committee Meeting	Admin	Room 332
<input type="checkbox"/>	1:00 PM	2:00 PM	ESMO Conference Committee	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	1:00 PM	3:00 PM	Standards Harmonization for Cybersecurity for Distributed Energy Resources: The DOE S2G Program	Panel	Power Systems Communications & Cyber Security	Room 427
<input type="checkbox"/>	1:00 PM	3:00 PM	Electric Distribution Reliability Metrics and Benchmarking	Panel	Transmission and Distribution	Room 433
<input type="checkbox"/>	1:00 PM	3:00 PM	Screening Methods and Processes to Identify Situations for EMT Studies	Panel	Power System Dynamic Performance	Room 422
<input type="checkbox"/>	1:00 PM	3:00 PM	Research and Educational Experiences of NSF CAREER Awardees in Power Systems	Panel	Power & Energy Education	Room 421
<input type="checkbox"/>	1:00 PM	3:00 PM	Intelligent management of distributed storage for sustainable energy communities	Panel	(AMPS) Intelligent Systems	Room 439
<input type="checkbox"/>	1:00 PM	3:00 PM	Transactions on Power Systems Editorial Board	Committee Meeting	Admin	Room 331
<input type="checkbox"/>	1:00 PM	3:00 PM	Ensuring Resource Adequacy: Evolving Metrics and Criteria	Panel	(AMPS) Reliability and Risk Analysis	Room 440
<input type="checkbox"/>	1:00 PM	3:00 PM	Analytical Methods for Stability Analysis in Future IBR-Dominated Power Systems	Panel	Power System Dynamic Performance	Room 430
<input type="checkbox"/>	1:00 PM	3:00 PM	IEEE PES PSOPE Main Meeting	Committee Meeting	Power System Operation, Planning & Economics	Room 334
<input type="checkbox"/>	1:00 PM	3:00 PM	OHL Design and Construction WG	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	1:00 PM	3:00 PM	PQ SC Power Quality Data Analytics WG (P3139)	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	1:00 PM	3:00 PM	The Role of Uncertainty and Look Ahead in Scheduling and Pricing Models for a Sustainable Decarbonization of Power Systems	Panel	PSOPE—Power System Economics Subcommittee	Room 431
<input type="checkbox"/>	1:00 PM	3:00 PM	National Energy Policies and Strategies in Different Countries	Panel	Energy Development and Power Generation	Room 441
<input type="checkbox"/>	1:00 PM	3:00 PM	Distribution System Economics considering Deep Electrification	Panel	PSOPE—Power System Economics Subcommittee	Room 432

**Please check the IEEE PES GM mobile app for the latest program and event updates.*

Notes

SAVE THE DATE!

2025 IEEE Power & Energy Society General Meeting



27–31 July 2025 | Austin, Texas | J.W. Marriott

**Call for papers will open in
October 2024**



Power & Energy Society®
GENERAL MEETING
— 2025 —

pes-gm.org

Wednesday 7/24 continued

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	1:00 PM	3:00 PM	Decarbonization strategies: market design and computational tools	Panel	Energy Development and Power Generation	Room 428
<input type="checkbox"/>	1:00 PM	3:00 PM	Exploring Digital Twins	Panel	Industry Technical Support Leadership Committee	Room 443-444
<input type="checkbox"/>	1:00 PM	3:00 PM	Post-Graduation Decisions; Industry vs Academia—WIP Social Session	Panel	Admin	Room 434
<input type="checkbox"/>	1:00 PM	3:00 PM	Modeling Control and Protection for Large-Scale IBR Integration (Wind and Solar)	Panel	Electric Machinery	Room 420
<input type="checkbox"/>	1:00 PM	3:00 PM	Use of AI in the Power Grid	Super Session	Super Session	Terrace Suite
<input type="checkbox"/>	1:00 PM	4:00 PM	RSICC Committee Meeting	Committee Meeting	Renewables Systems Integration Coordinating	Room 330
<input type="checkbox"/>	1:00 PM	5:00 PM	Power System Operation, Planning, & Economics—3	Paper Forum	Admin	Room 445
<input type="checkbox"/>	1:00 PM	5:00 PM	Power System Dynamic Performance	Paper Forum	Admin	Room 446
<input type="checkbox"/>	1:30 PM	3:30 PM	Student Job Fair	Reception	Admin	Ballroom 1
<input type="checkbox"/>	1:30 PM	4:30 PM	HVDC & FACTS HVDC & FACTS subcommittee	Committee Meeting	Transmission and Distribution	Room 348
<input type="checkbox"/>	2:00 PM	3:00 PM	TASS Modeling and Analysis of System Transients using Digital Programs WG	Committee Meeting	(AMPS) Transient Analysis and Simulation	Room 344
<input type="checkbox"/>	2:00 PM	3:00 PM	ESMOL Steering Committee	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	2:00 PM	4:00 PM	Capacitor Subcommittee	Committee Meeting	Transmission and Distribution	Room 335
<input type="checkbox"/>	3:00 PM	4:00 PM	TF Control and Operation of DERs	Committee Meeting	PSOPE—Distribution System Operation and Planning Subcommittee	Room 332
<input type="checkbox"/>	3:00 PM	4:00 PM	ESMOL Sub-Committee	Committee Meeting	Transmission and Distribution	Room 337
<input type="checkbox"/>	3:00 PM	5:00 PM	Challenges and Emerging Solutions for Optimal Operation and Control of Offshore-Onshore Multi-energy	Panel	Transmission and Distribution	Room 433
<input type="checkbox"/>	3:00 PM	5:00 PM	The Economics of Resource Adequacy in Restructured Electricity Markets	Panel	PSOPE—Power System Economics Subcommittee	Room 432
<input type="checkbox"/>	3:00 PM	5:00 PM	Power Systems and Equipment Resilience to GIC	Panel	(AMPS) Transient Analysis and Simulation	Room 440
<input type="checkbox"/>	3:00 PM	5:00 PM	Publications Board Meeting	Committee Meeting	Admin	Room 338
<input type="checkbox"/>	3:00 PM	5:00 PM	Reliable and Resilient Distribution Grid Operations with Intelligent Distributed Energy Resource Management Solutions	Panel	PSOPE—Distribution System Operation and Planning Subcommittee	Room 431
<input type="checkbox"/>	3:00 PM	5:00 PM	Distribution System Operation and Planning Subcommittee Meeting	Committee Meeting	PSOPE—Distribution System Operation and Planning Subcommittee	Room 334
<input type="checkbox"/>	3:00 PM	5:00 PM	OHL Conductors and Accessories WG	Committee Meeting	Transmission and Distribution	Room 345

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	3:00 PM	5:00 PM	Power Quality Subcommittee	Committee Meeting	Transmission and Distribution	Room 343
<input type="checkbox"/>	3:00 PM	5:00 PM	Education and Training for Workforce Development in Solar Energy	Panel	Power & Energy Education	Room 421
<input type="checkbox"/>	3:00 PM	5:00 PM	BDA Subcommittee	Committee Meeting	(AMPS) Big Data Analytics	Room 331
<input type="checkbox"/>	3:00 PM	5:00 PM	Application of CIM Standards in Enhancing Power System Interoperability	Panel	(AMPS) Computer Analytical Methods	Room 439
<input type="checkbox"/>	3:00 PM	5:00 PM	Role of Minority Serving Institutions (MSIs) on Smart Grid Cyber Physical Systems Research and Education	Panel	Power & Energy Education	Room 429
<input type="checkbox"/>	3:00 PM	5:00 PM	High Renewable Energy Penetrations within Isolated and Remote Area Power Systems	Panel	Energy Development and Power Generation	Room 441
<input type="checkbox"/>	3:00 PM	5:00 PM	Motors Committee	Panel	Electric Machinery	Room 420
<input type="checkbox"/>	3:00 PM	5:00 PM	Field challenges with aerial fiber optics	Panel	Power Systems Communications & Cyber Security	Room 427
<input type="checkbox"/>	3:00 PM	5:00 PM	TF on Water-Power Systems	Committee Meeting	PSOPE—Bulk Power System Operations Subcommittee	Room 333
<input type="checkbox"/>	3:30 PM	5:00 PM	Distribution Subcommittee	Committee Meeting	Transmission and Distribution	Room 347
<input type="checkbox"/>	5:00 PM	6:00 PM	ACPE—Australasian committee for Power Engineering Universities	Committee Meeting	Other	Room 331
<input type="checkbox"/>	5:00 PM	6:30 PM	Women in Power Reception	Reception	Admin	Signature Room
<input type="checkbox"/>	5:00 PM	6:30 PM	Young Professionals Reception	Reception	Admin	Ballroom Lobby
<input type="checkbox"/>	5:00 PM	7:00 PM	PSDP AdComm	Committee Meeting	Power System Dynamic Performance	Room 324
<input type="checkbox"/>	5:00 PM	7:00 PM	OHL NEMA HV (Invite Only)	Committee Meeting	Transmission and Distribution	Room 335
<input type="checkbox"/>	5:00 PM	7:00 PM	PNNL Grid Project	Committee Meeting	Other	Room 330
<input type="checkbox"/>	6:00 PM	7:30 PM	Power Professionals—India Group	Committee Meeting	Other	Room 428
<input type="checkbox"/>	6:00 PM	7:30 PM	Bangladesh Power Engineering meeting	Committee Meeting	Other	Room 331
<input type="checkbox"/>	7:00 PM	8:30 PM	Women in Power Faculty Meeting	Committee Meeting	Admin	Room 332

**Please check the IEEE PES GM mobile app for the latest program and event updates.*

Notes

Thursday, July 25

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	6:30 AM	8:00 AM	Attendee Breakfast	Breakfast	Admin	Flex BC
<input type="checkbox"/>	6:30 AM	8:00 AM	Presenters' Breakfast	Breakfast	Admin	Flex A
<input type="checkbox"/>	6:30 AM	12:00 PM	Registration	Committee Meeting	Admin	Summit Lobby
<input type="checkbox"/>	8:00 AM	9:30 AM	OHL Structural Materials and Hardware WG	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	8:00 AM	9:30 AM	Sensors Subcommittee Task Force for Sensors Application Guide Paper	Committee Meeting	Power System Instrumentation and Measurements	Room 332
<input type="checkbox"/>	8:00 AM	10:00 AM	Protection Challenges in the Decarbonized and Resilient Power Grid	Panel	Power Systems Relaying & Control	Room 427
<input type="checkbox"/>	8:00 AM	10:00 AM	Distribution System State Estimation from Utility Perspective: Practical Challenges, Solutions and Benefits	Panel	(AMPS) Distribution System Analysis	Room 439
<input type="checkbox"/>	8:00 AM	10:00 AM	Economic viability of long-duration energy storage systems	Panel	PSOPE—Power System Economics Subcommittee	Room 422
<input type="checkbox"/>	8:00 AM	10:00 AM	Harmonics Modeling Techniques for Inverter Based Generation Resources	Panel	Transmission and Distribution	Room 428
<input type="checkbox"/>	8:00 AM	10:00 AM	Generator Subcommittee	Committee Meeting	Electric Machinery	Room 323
<input type="checkbox"/>	8:00 AM	10:00 AM	PES Roadmap Task Force	Committee Meeting	Admin	Room 330
<input type="checkbox"/>	8:00 AM	10:00 AM	Convergence of grid-forming and microgrid research and education	Panel	Power & Energy Education	Room 421
<input type="checkbox"/>	8:00 AM	10:00 AM	Synchro-Waveforms Data Analytics and Data-Driven Applications	Panel	(AMPS) Big Data Analytics	Room 440
<input type="checkbox"/>	8:00 AM	10:00 AM	EMT Simulations: Solvers & Applications	Panel	Energy Development and Power Generation	Room 441
<input type="checkbox"/>	8:00 AM	10:00 AM	Transmission Planning with High Penetration of Inverter Based Resources—Utility Experience and Challenges	Panel	PSOPE—Bulk Power System Planning Subcommittee	Room 420
<input type="checkbox"/>	8:00 AM	10:00 AM	Simulating Transients and Dynamics of Distribution Systems with High Penetration of Inverter-based Resources	Panel	(AMPS) Distribution System Analysis	Room 437
<input type="checkbox"/>	8:00 AM	10:00 AM	Role and Application of Standards in Offshore Wind Power Development	Panel	Energy Development and Power Generation	Room 429
<input type="checkbox"/>	8:00 AM	11:00 AM	Energy Development and Power Generation Committee—Main Meeting	Committee Meeting	Energy Development and Power Generation	Room 331
<input type="checkbox"/>	8:00 AM	12:00 PM	T&D Committee AdCom	Committee Meeting	Transmission and Distribution	Room 324
<input type="checkbox"/>	8:00 AM	12:00 PM	Advancements in Power Systems—1	Paper Forum	Admin	Room 445
<input type="checkbox"/>	8:00 AM	12:00 PM	Advancements in Power Systems	Paper Forum	Admin	Room 446
<input type="checkbox"/>	8:00 AM	12:00 PM	Role of the Public in Grid Planning and Operations	Super Session	Super Session	Terrace Suite
<input type="checkbox"/>	8:00 AM	5:00 PM	Plain Talk: Transmission System—The Interconnected Bulk Electric System— Separate registration fee required	Plain Talk	Admin	Room 340

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	9:00 AM	10:00 AM	Q3 ITSLC/NERC—GM	Committee Meeting	Industry Technical Support Leadership Committee	Room 327
<input type="checkbox"/>	9:00 AM	12:00 PM	PSDP Committee Meeting	Committee Meeting	Power System Dynamic Performance	Room 344
<input type="checkbox"/>	9:30 AM	11:00 AM	OHL Insulator Performance and Application WG	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	10:00 AM	11:30 AM	Sensors Subcommittee Task Force for Sensors Device Standard PAR	Committee Meeting	Power System Instrumentation and Measurements	Room 332
<input type="checkbox"/>	10:00 AM	12:00 PM	Power System Synthetic Data Generation and Sharing	Panel	(AMPS) Big Data Analytics	Room 440
<input type="checkbox"/>	10:00 AM	12:00 PM	Dynamic Modeling of Multi-Energy Systems	Panel	Energy Development and Power Generation	Room 429
<input type="checkbox"/>	10:00 AM	12:00 PM	Advancing Power Research—Universities & National Laboratories—Collaborations and Opportunities	Panel	Power & Energy Education	Room 421
<input type="checkbox"/>	10:00 AM	12:00 PM	Benchmarking of artificial intelligence methods for energy generation and consumption forecasting	Panel	(AMPS) Intelligent Systems	Room 439
<input type="checkbox"/>	10:00 AM	12:00 PM	Decision-centric Machine Learning for Power Systems Operation: Theory and Application	Panel	PSOPE—Technologies & Innovation Subcommittee	Room 422
<input type="checkbox"/>	10:00 AM	12:00 PM	AI-Enhanced Architectural Solutions for Secure and Resilient Integration of Distributed Energy Resources	Panel	Smart Buildings, Loads & Customer Systems	Room 437
<input type="checkbox"/>	10:00 AM	12:00 PM	Decarbonization and Resilience: Challenges and Lessons Learned	Panel	(AMPS) Reliability and Risk Analysis	Room 441
<input type="checkbox"/>	10:00 AM	12:00 PM	Data Analytics and Machine Learning for Advanced Modeling and Operation of Modern Distribution Grids and Microgrids	Panel	PSOPE—Distribution System Operation and Planning Subcommittee	Room 420
<input type="checkbox"/>	10:00 AM	12:00 PM	IBRs in Power Grid: EMT in Operations	Panel	PSOPE—Bulk Power System Operations Subcommittee	Room 427
<input type="checkbox"/>	10:00 AM	12:00 PM	Offshore Energy Islands/Hubs	Panel	Transmission and Distribution	Room 428
<input type="checkbox"/>	10:00 AM	12:30 PM	Electric Machines Committee	Committee Meeting	Electric Machinery	Room 327
<input type="checkbox"/>	11:00 AM	12:30 PM	OHL Corrosion Management WG	Committee Meeting	Transmission and Distribution	Room 345

**Please check the IEEE PES GM mobile app for the latest program and event updates.*

Notes

Thursday 7/25 continued

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	12:00 PM	3:00 PM	ITSLC Committee	Committee Meeting	Industry Technical Support Leadership Committee	Room 323
<input type="checkbox"/>	12:30 PM	2:00 PM	OHL Admin Committee (Private)	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	1:00 PM	2:30 PM	WG P2681—Guide for Testing Medium Voltage Smart Grid Sensor and Intelligent Electronic Device Systems	Committee Meeting	Power System Instrumentation and Measurements	Room 332
<input type="checkbox"/>	1:00 PM	3:00 PM	Renewable Energy and Protection Challenges	Panel	Power Systems Relaying & Control	Room 427
<input type="checkbox"/>	1:00 PM	3:00 PM	GMDs and EMPs Effect on Power Grid Operations: New Technologies and Extreme Weather Events Uncertainty Quantification	Panel	(AMPS) Transient Analysis and Simulation	Room 440
<input type="checkbox"/>	1:00 PM	3:00 PM	Distribution Utilities Operation with High Penetration Levels of IBRs: Challenges and Lessons Learned	Panel	(AMPS) Distribution System Analysis	Room 439
<input type="checkbox"/>	1:00 PM	3:00 PM	Scalable EMT Simulation & Use in Transmission Planning	Panel	Transmission and Distribution	Room 428
<input type="checkbox"/>	1:00 PM	3:00 PM	Advanced Tools and Metrics for Microgrid Development and Performance Evaluation	Panel	Energy Development and Power Generation	Room 429
<input type="checkbox"/>	1:00 PM	5:00 PM	Governing Board Meeting	Committee Meeting	Admin	Pike
<input type="checkbox"/>	2:00 PM	3:30 PM	OHL OHL Subcommittee	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	3:00 PM	4:30 PM	Sensors Subcommittee	Committee Meeting	Power System Instrumentation and Measurements	Room 332
<input type="checkbox"/>	3:00 PM	5:00 PM	Hydrogen as an Energy Carrier: World-Wide Perspectives	Panel	Energy Development and Power Generation	Room 429
<input type="checkbox"/>	3:00 PM	5:00 PM	Power Quality Aspects of Grid Modernization	Panel	Transmission and Distribution	Room 428
<input type="checkbox"/>	3:00 PM	5:00 PM	Future of Utilities: Image Analytics and AI for Automated Drone Inspection	Panel	(AMPS) Big Data Analytics	Room 439
<input type="checkbox"/>	3:00 PM	5:00 PM	Integrating Community Needs within Power System Planning and Operations	Panel	PSOPE—Bulk Power System Operations Subcommittee	Room 427
<input type="checkbox"/>	3:30 PM	5:00 PM	OHL Special Sessions	Committee Meeting	Transmission and Distribution	Room 345
<input type="checkbox"/>	4:30 PM	6:30 PM	OHL ANSI C29 Insulators	Committee Meeting	Transmission and Distribution	Room 323

Friday, July 26

	Start	End	Session Name	Session Type	Sponsoring Committee	Room
<input type="checkbox"/>	8:00 AM	2:00 PM	Governing Board Meeting	Committee Meeting	Admin	Pike

**Please check the IEEE PES GM mobile app for the latest program and event updates.*

Notes

MEET THE CANDIDATES

Upcoming 2025 IEEE Division VII Director-Elect Elections Candidates

Ballots will be mailed in August to IEEE members and elections close 1 October 2024.

HONG CHEN (Nominated by IEEE Division VII)

Principal Engineer
PJM Interconnection
Audubon, Pennsylvania, USA



Dr. Hong Chen is a visionary leader who has been actively leading IEEE PES Technical Activities at various capacity for the past three decades. Through chairing task forces, Technical Committees, and the Technical Council, serving as Vice President of Technical Activities at the PES Governing Board, she has achieved numerous notable accomplishments.

Dr. Chen is a well-known practitioner on electricity market and power grid operation risk mitigation. In the past two decades, she led the development of many power grid control room applications which have achieved billions of dollars' savings in energy markets. Following her passion for technology innovation, Dr. Chen also serves as an industry advisor for many R&D projects at National Science Foundation, Department of Energy, and Power Systems Engineering Research Center.

Hong obtained her Bachelor and Master degrees from Southeast University in China and her Ph.D. degree from University of Waterloo in Canada.

Statement

As Division VII Director, I will work closely with PES members, Technical Committees, and the Governing Board in promoting PES' leadership in the overall IEEE technical innovation. PES not only holds the core technologies that light up the world, but also plays a pivotal role in the fight against climate change. PES is a world-renowned think tank which encompasses more than 42,000 experts and professionals around the world. Together, we are a strong community to foster global collaboration towards a net-zero future. In this position, I will devote my time and effort to highlight PES contributions in IEEE and support the ongoing transformation of our industry.

PES holds nearly 50% of IEEE standards and we have the opportunity to do more. I will voice PES interests, grow PES' leadership, enhance our society's impact, and strengthen cross-societal collaboration in IEEE, working together towards the betterment of society. In this critical role, I'll continuously improve the synergy between industry and academia, promote young professionals and Women in Power, and highlight PES' global presence as a technology leader.

IEEE Accomplishments and Activities (S'98–M'03–SM'07–F'24)

Accomplishments

1. From 2022 to 2023, Hong led Technical Committees in development or revision of over 120 IEEE Standards and approved over 30 technical reports, alongside many tutorials, webinars, workshops, and General Meeting technical programs.
2. Dr. Chen championed the move of Satellite Technical Committees from Chapters Council to Technical Activities in 2022, improving PES governance and interaction, increasing visibility, and providing support to local volunteers.
3. Hong has been leading the first PES Technical Roadmap in close collaboration with IEEE Technology Roadmaps Committee since 2023. The technical report will be published in summer 2024.
4. In promotion of global collaboration, Dr. Chen initiated a joint technical report and joint conferences between IEEE PES and CIGRE in 2023.
5. In support of PES committee structure reorganization to meet the transformational needs of the power industry, Dr. Chen led the establishment of Power System Operation, Planning and Economics committee (PSOPE) in 2014–2016, and served as its first Chair in 2017. PSOPE received Technical Committee of the Year Award.
6. “For contributions in leading strategic technology development in PES and power grid operation,” Hong received 2024 IEEE PES Wanda Reder Pioneer in Power Award.

Activities

- Chair of PES Technical Council Awards Committee (2024–Present)
- Chair of PES External Proposal Management Committee (2024–Present)
- Technical Program Chair of 2025 PES Grid Edge Conference & Expo
- IEEE Technical Activities Future Direction Committee (2023–Present)
- Vice President of PES Technical Activities (2022–2023)
- PES Technical Council: Chair (2022–2023); Vice Chair (2020–2021); Secretary (2018–2019)
- Founding Chair of PES Power System Operation, Planning and Economics Committee (2016–2017)
- PES Power System Operations Committee: Chair (2015–2016); Vice-Chair and TCPC (2013–2014); Secretary (2011–2012)
- Chair of IEEE Task Forces (2009–Present)
- Editor: IEEE PES Power and Energy Magazine (2022–Present); IEEE Transactions on Power Systems (2012–2019); IEEE Transactions on Smart Grid (2011–2016)

MEET THE CANDIDATES

Upcoming 2025 IEEE Division VII Director-Elect Elections Candidates

Ballots will be mailed in August to IEEE members and elections close 1 October 2024.

NOEL N. SCHULZ, PhD (Nominated by IEEE Division VII)

Bob Ferguson Endowed Professor
Inaugural Director, Institute for Northwest Energy Futures (INEF)
Washington State University (WSU) Tri-Cities
Richland, Washington, USA
www.noelnschulz.com



Noel Schulz received her BSEE and MSEE degrees from Virginia Tech and her PhD from the University of Minnesota. She has been active for over 30 years in teaching, research and service at six U.S. Universities, joining WSU in 2016. Her research interests include integration of distributed energy resources and intelligent system applications in power system planning, control and operations. She was the US administrative lead for the US Department of Energy funded \$30M UI-ASSIST project involving 16 US partners and 15 Indian partners. She is a Fellow of IEEE and the American Society for Engineering Education.

Dr. Schulz served 12 years on the IEEE Power & Engineering Society (PES) Governing Board including two years, 2012 and 2013, as PES President. In addition to her technical activities, Dr. Schulz has been very involved in activities related to the recruitment, retention and advancement of women students and professionals in STEM fields

Statement

Many of today's pressing engineering challenges and opportunities are in power and energy areas. These issues are complex and require collaborative, crosscutting solutions. IEEE PES has an opportunity to expand our impact through the additional coordination across IEEE and other worldwide organizations. Our IEEE PES mission is "To be the leading provider of scientific and engineering information on electric power and energy for the betterment of society, and the preferred professional development source for our members." I believe in this mission and will work to represent PES and its strategic goals within IEEE.

As IEEE Division VII Director, I would coordinate with PES leaders and members to identify ways to expand our activities, collaborations, and impact across IEEE technical activities as well as membership and geographic activities in the spirit of IEEE's core purpose, "to foster technological innovation and excellence for the benefit of humanity." IEEE PES is about people—providing solutions in the power and energy space for the betterment of society and providing professional development resources for PES members working towards these solutions.

IEEE Accomplishments and Activities (S'85–M'90–S'91–M'91–S'93–M'96–SM'00–F'16)

IEEE and IEEE Power & Energy Society (PES) have been Dr. Schulz' technical home for over 38 years. She joined IEEE as an undergraduate EE student. She has been an active IEEE volunteer leader for almost 30 years and has been recognized by several IEEE awards as shown below.

She spent 12 years on the IEEE PES Governing Board serving as secretary and treasurer as well as President-Elect, President, and Past-President. With this volunteer leadership experience, she understands the IEEE structure, the collaborations across Societies, financial structure of PES and IEEE, needs across a diverse worldwide membership and opportunities with publications, conferences, and programs that provide professional development for PES members.

Awards

- IEEE Women in Technology & Leadership Award, 2023
- IEEE Fellow, 2016
- IEEE Hewlett-Packard/Harriet B. Rigas Award, recognizing outstanding faculty women who have made significant contributions to electrical/computer engineering education, 2014
- IEEE PES Walter Fee Outstanding Young Engineer Award, 2002

Activities

- IEEE, Member 1985–Present; Fellow, 2016–Present; Senior Member, August 2000–2015
 - Member, IEEE Technical Activities Board & Society Presidents Forum, 2012–2013
 - Evaluator, IEEE Accreditation Board of Engineering and Technology (ABET) 2001–2009
 - Member, IEEE Technical Activity Board (TAB) Award Committee, 2001–2003
 - Organizing Committee of IEEE Electric Ship Technologies Symposium (ESTS), 2005, 2007 and 2009; Treasurer and Registration Chair, 2005 IEEE ESTS, July 2005; 2007 IEEE ESTS, July 2007; General Chair and Treasurer IEEE ESTS, April 2009
 - Member, IEEE Press Board, 2006–2007
- IEEE PES
 - Governing Board and Executive Committee, 2004–2015; Secretary 2004–2007; Treasurer 2008–2009; President-Elect 2010–2011; President 2012–2013; Immediate Past President, 2014–2015
 - Chair, Award & Recognition Committee, 2000–2003
 - Member, Power & Energy Education Committee 1996–Present
 - PES Representative for the IEEE Intersociety Committee on Electric Ships, 2005–2009
 - Organizer various PES Women in Engineering/Women in Power Events, 1997–Present

The voting membership of IEEE annually elects officers that serve on the top-tier IEEE governing bodies. The candidates comprise of members who have been nominated either by the nominating committee for that position or by petition.

The IEEE Board of Directors nominates candidates for IEEE President-Elect, and divisional and regional nominating committees nominate the candidates for the Division and Region Director positions. The annual ballot also includes candidates for positions in the IEEE Standards Association, IEEE Technical Activities, IEEE-USA, and IEEE Women in Engineering.

In accordance with IEEE Bylaw I-307 Nominations and Elections, individual voting members may propose, by petition, names to be added to the ballot for the offices that appear on the IEEE annual election ballot.

Learn more at [ieee.org/about/corporate/election/candidates.html](https://www.ieee.org/about/corporate/election/candidates.html)

NOTES



You're Invited to join! The IEEE PES External Proposal Management (EPM) Committee

The EPM leads the following key PES technical efforts:

- Manages the review of standards development project proposals received from channels external to PES.
- Connects PES Technical Standards Committees with standard development proponents external to PES and with other standards development or industry organizations.
- Maintains guidelines for standards development proposals and their review by PES Technical Standards Committees.



cmte.ieee.org/pes-epm

Open Call! For IEEE Transactions

IEEE PES sponsors or co-sponsors the following seven peer-reviewed technical journals. Only the highest-quality papers are considered for publication, as such, the acceptance rates are generally between 15–20%. Authors should consider this high standard of quality before submitting their manuscripts.

- Transactions on Energy Conversion
- Transactions on Energy Markets, Policy & Regulation
- Transactions on Power Delivery
- Transactions on Power Systems
- Transactions on Smart Grid
- Transactions on Sustainable Energy
- IEEE Open Access Journal of Power and Energy (OAJPE)

Learn more & submit: ieee-pes.org/publications/transactions



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