




**IEEE PES
T&D**
CONFERENCE
& EXPOSITION
ANAHEIM, CA
6-9 MAY 2024



ACCELERATE THE GRID OF TOMORROW

For conference registration and hotel
reservations, visit ieeet-d.org.

2024 IEEE PES T&D CONFERENCE AND EXPOSITION
PRE-SHOW PLANNER



WELCOME

I'm thrilled to extend an invitation for you to join us in Anaheim, California, for the 2024 IEEE PES T&D Conference and Exposition. This marks a significant milestone, as it's the first time in nearly 30 years that the event will be held on the West Coast.

Anaheim is a city built on imagination, a place where dreams come true. Our community has our own dreams of coming together to modernize the grid of tomorrow and deliver a sustainable future. Join us this May as we push ahead and explore the latest insights and innovations needed to tackle urgent global challenges, including expanding electrification, managing aging infrastructure, the impact of extreme weather events, cyber threats, implementation of new policies, and more.

There's so much I'm excited for you to experience, particularly our world-class technical programming featuring an exceptional lineup of Super Sessions focused on the industry's hottest topics, Technical Tours providing a first-hand look at industry-leading sites, Tutorials offering in-depth examinations of critical subjects, and so much more. Not to mention, this year's event boasts the largest IEEE PES T&D show floor ever with exhibitors from around the world!

I am confident that our 2024 event will accelerate the industry forward and I'd be delighted for you to be a part of its success.



Joe Svachula

IEEE PES North America, T&D Director



OFFICERS AND ORGANIZING COMMITTEE

2024 IEEE PES OFFICERS

Shay Bahramirad	IEEE PES President (<i>LUMA Energy</i>)
C.Y. Chung	IEEE PES President-Elect (<i>The Hong Kong Polytechnic University</i>)
Mazanna Armstrong	IEEE PES Secretary (<i>British Columbia Hydra</i>)
Juan Carlos Montero	IEEE PES Treasurer (<i>ICE Costa Rica</i>)

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Joe Svachula	T&D Director (<i>Commonwealth Edison</i>)
Jackie Peer	IEEE PES Vice President, Meetings & Conferences (<i>Omicron Electronics</i>)
Alex Flueck	Academic Representative (<i>Illinois Institute of Technology</i>)
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John Mueller	Exhibitor Representative (<i>G&W Electric</i>)
Barbara Powell	Consultant - Past Meeting Planner (<i>Kenworthy Management</i>)

2024 IEEE PES T&D LOCAL ORGANIZING COMMITTEE

Erik Takayesu	LOC Chair (<i>Retired</i>)
Analene Arellano	Admin/Assistant (<i>Southern California Edison / SCE</i>)
Clarissa Fandino	LOC Support (<i>SCE</i>)
Jad Farah	Treasurer (<i>SCE</i>)
Tinamarie Loza	Treasurer (<i>SCE</i>)
John McDaniel	Technical Program Chair (<i>National Grid</i>)
Kate Cummings	Technical Program Co-Chair (<i>G&W Electric</i>)
Manuel Avendano	Technical Program Committee (<i>SCE</i>)
Abder Elandalousi	Technical Program Committee (<i>SCE</i>)
Sahar Hendabadi	Technical Program Committee (<i>AECOM</i>)
Kaveh Aflaki	Technical Program Committee (<i>IEMS Solutions</i>)
Editha Toms	Activities Chair (<i>SCE</i>)
Laura Koizumi	Activities Committee (<i>SCE</i>)
Reba Liggett	Volunteer Committee Chair (<i>SCE</i>)
Ana Hafiz	Technical Tours Chair (<i>SCE</i>)
Joseph Wei	Technical Tours Committee (<i>City of Anaheim</i>)
Gianela Gozalo	Student Activities Chair (<i>SCE</i>)
Wayne Bishop	Past IEEE PES VP, Meetings & Conferences (<i>Quanta Technologies</i>)

IEEE PES STAFF

Timothy Licitra	PES Executive Director
Dan Toland	Director Society Operations
Maria Proetto	Sr. Manager PES Publications
Jenny Brown	Marketing Project Manager
LaToya Gourdine	Sr. Administrator - PES Education

2024 IEEE PES T&D OPERATIONS TEAM

Shawn Boon	Exhibit Sales & Management
Lukrecija Lelong	Project Management
Gail Sparks-Riegel	Housing, Registration & Logistics
Tyler Day	Marketing
Rachel Schrichte	Marketing
Gary Rehor	Finance Consultant

2024 SUPPORTERS

The 2024 IEEE PES T&D Conference and Exposition would like to thank and recognize the following companies that have generously supported portions of this year's conference.



SCHEDULE AT A GLANCE

SUNDAY, 5 MAY

12:00 PM – 5:00 PM Onsite T&D Registration Opens

MONDAY, 6 MAY

7:00 AM – 5:00 PM Registration Open

8:00 AM – 5:00 PM Tutorials, IEEE PES Plain Talk About the Electric Power Industry

9:00 AM – 2:30 PM Technical Tours

6:00 PM – 9:00 PM Conference Opening Reception

TUESDAY, 7 MAY

7:00 AM – 5:00 PM Registration Open

8:00 AM – 5:00 PM IEEE PES Plain Talk About the Electric Power Industry

8:00 AM – 8:30 AM Opening Session

8:30 AM – 9:45 AM **Super Session 01:** Mind the Gap – Policy and Regulation for Accelerating the Grid of Tomorrow

10:00 AM – 5:00 PM Exhibits Open / Innovation Stage, Renewable Energy Stage, and Grid Edge Stage

12:00 PM – 1:00 PM Conference Luncheon in the Exhibit Hall

1:00 PM – 5:00 PM Technical Panel Sessions



WEDNESDAY, 8 MAY

8:00 AM – 5:00 PM	IEEE PES Plain Talk About the Electric Power Industry
8:00 AM – 9:00 AM	Super Session 02: Transmission Buildout – The Solutions We Have and the Breakthroughs We Need
9:00 AM – 10:00 AM	Super Session 03: Meeting the Energy Needs of Tomorrow – Integrated Planning for the Customers, Distributed Energy Resources, and the Grid
9:00 AM – 4:00 PM	Technical Tours
10:00 AM – 6:00 PM	Exhibits Open / Innovation Stages, Renewable Energy Stage, and Grid Edge Stage
12:00 PM – 1:00 PM	Conference Luncheon in the Exhibit Hall
1:00 PM – 5:00 PM	Technical Panel Sessions
4:30 PM – 6:00 PM	Networking Reception in the Exhibit Hall
5:00 PM – 7:00 PM	Poster Session Reception / Student Poster Contest

THURSDAY, 9 MAY

7:00 AM – 2:00 PM	Registration Open
8:00 AM – 9:00 AM	Super Session 04: Powering Progress: Overcoming Obstacles towards the Energy Transition
9:00 AM – 10:00 AM	Super Session 05: Spark of Innovation: Exploring Decarbonization from Electrification
10:00 AM – 3:00 PM	Exhibits Open / Innovation Stages, Renewable Energy Stage, and Grid Edge Stage
12:00 PM – 1:00 PM	Conference Luncheon in the Exhibit Hall
1:00 PM – 3:00 PM	Technical Panel Sessions
3:00 PM – 4:00 PM	Super Session 06: Climate Change Impacts on the Grid of Tomorrow
4:00 PM – 5:00 PM	Conference Closing Session – Student Poster Contest Recipients

HOST UTILITY



SHOW OVERVIEW

TECHNICAL PROGRAM

Monday, 6 May – Thursday, 9 May

The 2024 Technical Program will explore how the industry can take advantage of the new funding and technology that is now available to accelerate the modernization of the grid and make sustainable energy a reality. Featuring conversations around the electrification of infrastructure, the integration and operation of renewables, recent climate disruptions, along with a multitude of additional trends impacting the industry today, this is where you need to be to unlock the future grid. You can even capture Professional Development Hours (PDH) by attending Technical Sessions, with Continuing Education Units (CEU) available for Tutorials and IEEE PES Plain Talk courses. Details on how to obtain these certificates will be provided at the conference.

CONFERENCE OPENING RECEPTION

Monday, 6 May | 6:00 PM – 9:00 PM

Anaheim is known as the place where dreams come true. The power and energy community has dreams of our own. Join us to celebrate these dreams and the return of IEEE PES T&D to the west coast for the first time in nearly 30 years as we gather at the Disneyland Hotel on Monday 6 May from 6:00 PM to 9:00 PM. Savor tastes of Southern California, network with industry pros, and come together to imagine the new future of the industry.

EXHIBIT HALL

Tuesday, 7 May – Thursday, 9 May

Visit our largest show floor ever featuring over 800 exhibitors representing more than 30 countries. Offering the widest display of next-gen solutions, there's simply no better place to explore the newest technologies, products, and services covering every aspect of transmission and distribution. Also visit the Grid Edge Pavilion and three show floor stages providing an extension of the technical program.

CONFERENCE LUNCHES

Tuesday, 7 May – Thursday, 9 May

12:00 PM – 1:00 PM

Enjoy lunch served to you in the exhibit hall while exploring real-world applications and the emerging technology and product solutions key to our industry's future success.

NETWORKING RECEPTION

Wednesday, 8 May | 4:30 PM – 6:00 PM

Engage and mingle with leading product specialists, experts, and industry leaders over hors d'oeuvres and beverages during the Networking Reception in the exhibit hall.



LET'S CONNECT

Follow us @IEEETandD for special announcements and show highlights



POSTER SESSION AND RECEPTION / STUDENT POSTER CONTEST

Wednesday, 8 May | 5:00 PM – 7:00 PM

The Poster Session and Reception provides a relaxed environment for registered conference attendees to enjoy hors d'oeuvres and beverages while viewing more than 100 accepted papers in poster format. Here you'll have the opportunity to speak with the authors and even tour competing papers from the Student Poster Contest.

CLOSING SESSION

Thursday, 9 May | 4:00 PM – 5:00 PM

Join us as we thank the Anaheim team for putting together a great show and welcome the 2026 T&D Chicago Local Organizing Committee.



COLLEGIATE AND YOUNG PROFESSIONAL PROGRAM

Offering an exciting and comprehensive schedule of student and young professional sessions and activities, the Collegiate Program is designed to help new talent launch successful careers in the power and energy industry. For a complete schedule of student and young professional activities, visit ieeet-d.org/student.

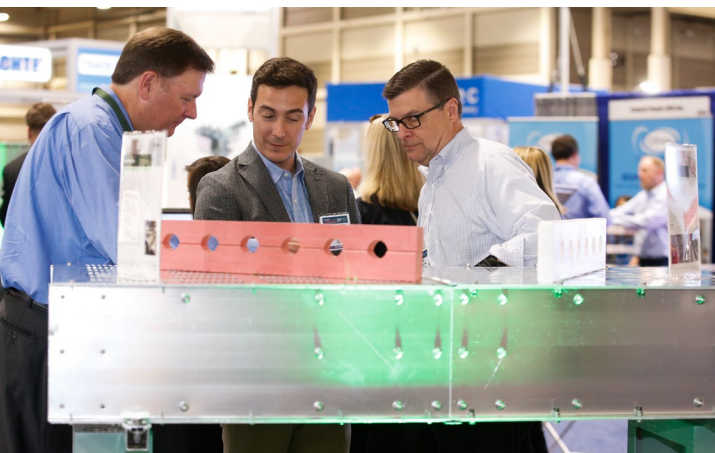
SPECIAL FEATURES

GRID EDGE PAVILION & GRID EDGE TECHNOLOGIES STAGE (NEW!)

Tuesday, 7 May – Thursday, 9 May

The Grid Edge Pavilion will be a dedicated area on the show floor featuring a variety of case study exhibits showcasing effective collaboration needed to improve efficiencies at the grid edge. Here you can access the latest in new technologies and real-world applications meant to promote best practices at the edge.

The Grid Edge Technologies Stage located within the pavilion promises to be a captivating forum for industry professionals and researchers alike. This stage is dedicated to speakers and panelists exploring the cutting-edge advancements and innovative solutions at the intersection of power systems and edge technologies. Through keynotes and panels on this stage, we will explore critical topics impacting the grid edge, including DERs, connected utilities and infrastructure, policies, e-mobility and charging infrastructure, smart cities, cyber security, and more as well as a glance into the IEEE-PES Grid Edge Technologies Conference and Exposition that PES runs every other year.



RENEWABLE ENERGY STAGE (NEW!)

Tuesday, 7 May – Thursday, 9 May

The Renewable Energy Stage at the IEEE PES T&D Conference in 2024 is set to be a vibrant platform for exploring the latest developments and advancements in the field of renewable energy. This stage aims to showcase the transformative potential of renewable energy sources and their integration into the existing power grid. You can look forward to engaging sessions featuring renowned experts, industry leaders, and researchers who will share their insights and experiences in developing, deploying, managing, and optimizing renewable energy solutions. With the pressing need for clean energy alternatives, the IEEE PES T&D conference aims to propel the renewable energy industry forward and contribute to the global transition toward a greener and more sustainable future.

INNOVATION STAGE

Tuesday, 7 May – Thursday, 9 May

IEEE PES T&D is the place to go for a wide breadth of new solutions that will deliver the promise of a reliable, safe, and affordable energy to accelerate the grid of tomorrow. Come engage with industry professionals and companies while they share their newest innovations, insights, best practices, and practical applications. The Innovation Stage provides a unique forum to:

- Debut state-of-the-art technologies
- Discuss practical new product applications
- Engage with speakers offering insights into emerging trends and sharing valuable best practices



Ulteig

DISCOVER **THE** FUTURE OF GRID MANAGEMENT WITH PATHFINDER™

VISIT ULTEIG AT BOOTH #4651 AT IEEE PES T&D

Embrace objective, data-driven grid management solutions and advance your power infrastructure investments with PathFinder, Ulteig's bias-free decision engine.

Join us at **Booth #4651** to see how PathFinder can transform your approach to grid management. Our team will demonstrate how you can:

PRIORITIZE LARGE-SCALE PROJECTS
with confidence using decades of engineering expertise.

STREAMLINE EVALUATIONS
across transmission, distribution,
and substations.

DRIVE GRID ADVANCEMENT
by enhancing reliability, resiliency and safety.

Let's navigate the future of
power infrastructure together.



EXPLORE MORE

PLAN YOUR SHOW AND STAY



EXPLORE ANAHEIM

Make the most of your stay by visiting www.visitanaheim.org to discover Anaheim's many culinary, entertainment and shopping experiences.

LOCATION

The 2024 IEEE PES T&D Conference and Exposition will be located at the Anaheim Convention Center, Anaheim, California. For directions and other useful information, visit www.visitanaheim.org/meetings/anaheim-convention-center/.

REGISTRATION

Register online at ieeet-d.org/registernow. To take advantage of Early Bird pricing, register by 5 April 2024.

HOTEL RESERVATIONS

We've partnered with Connections Housing to provide the lowest rates at over 20 major hotels in prime locations. Most of the hotels are within walking distance to the convention center. Those located further away will be serviced by complimentary shuttle buses starting Monday, 6 May, and running through Thursday, 9 May.

RESERVATIONS

Online: ieeet-d.org/housing

Telephone: (470) 737-1919

Email: ieeehousing@connectionshousing.com

HOUSING ASSISTANCE



Connections Housing will be onsite should you need assistance with any of the conference hotels during your stay in Anaheim.

HOURS OF OPERATION

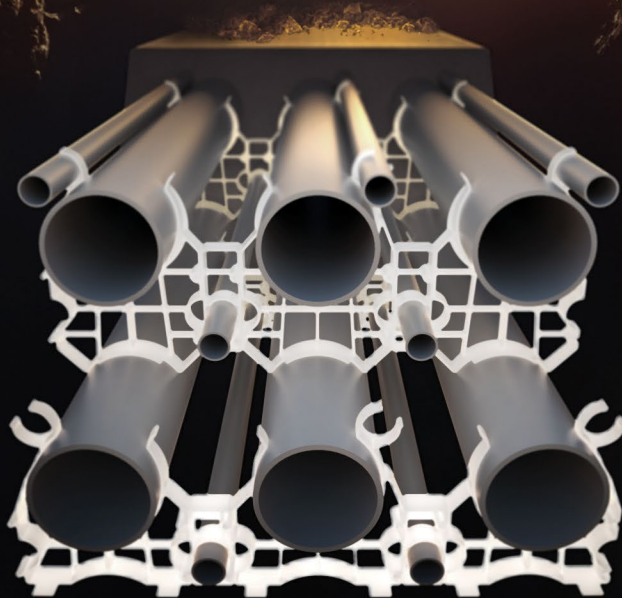
Monday, 5 May – Wednesday, 7 May

8:00 AM – 5:00 PM

Be sure to look for the official T&D housing logo to ensure you are receiving the best rates and service.

THE SECRET TO

UNDERGROUND POWER TRANSMISSION



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TECHNICAL PROGRAM OVERVIEW



SUPER SESSIONS

6 Super Sessions will bring together industry thought leaders to discuss and explore topics of particularly high interest that are vitally important to the future of the power industry.

PANEL SESSIONS

45 Panel Sessions will provide comprehensive discussions on a broad range of important trends, solution-oriented topics, and real-world applications being applied both domestically and globally.

TUTORIALS

Tutorials provide an in-depth look at topics important to power and energy professionals. Special paid registration is required and lunch is provided for all ticket holders. Separate registration and additional fees are required. Space is limited and fills up quickly.

TOURS

A diverse and exciting lineup of offsite Technical Tours gives participants the opportunity to tour and learn more about industry-related sites and products. Separate registration and additional fees are required. Spots are limited so we encourage you to sign up early!

IEEE PES PLAIN TALK ABOUT THE ELECTRIC POWER INDUSTRY

The IEEE PES Plain Talk courses are for the power industry professionals who do not have an engineering background. Attendees will come away with an increased understanding of the technical aspects of the electric power system by being provided with practical knowledge that can be applied in their day-to-day operations. Separate registration and additional fees are required.

T&D POSTER SESSION AND RECEPTION / STUDENT POSTERS

View more than 100 accepted papers, meet with the authors, and tour competing papers from the Student Poster Contest while enjoying hors d'oeuvres and beverages.

TECHNICAL PROGRAM

MONDAY, 6 MAY

TUTORIALS

TUT-01

Inverter Based Resource Fault Response
and Short-Circuit Modeling

8:00 AM – 5:00 PM

TUT-02

Grounding Design and Analysis for Personnel
Safety in Wind and Solar Power Plants

8:00 AM – 12:00 PM

TUT-03

Stabilizing the Grid of Tomorrow Using
Grid-Forming Solutions

8:00 AM – 5:00 PM

TUT-04

Distribution Reliability and Resilience – Industry
Practices, Evaluation, and Improvement Solutions

8:00 AM – 5:00 PM

TUT-05

Building the Asset Management Practice

1:00 PM – 5:00 PM

TUT-06

Grid Solutions Accelerated with Latest
GIS Technologies

8:00 AM – 12:00 PM

TUT-07

Engineering Aspects and Solution Quality of State
Estimator in Control Center Operations

1:00 PM – 5:00 PM

TUT-08

Proficiency in Optical Groundwire (OPGW)
Design and Engineering

8:00 AM – 12:00 PM

TUT-09

How Grid Energy Storage Meets the Challenges
of a Decarbonized Future

1:00 PM – 5:00 PM

TUT-10

Advanced Techniques for Safeguarding
Aging Power Cable Networks Through Testing
and Diagnostics

8:00 AM – 12:00 PM

IEEE PES PLAIN TALK ABOUT THE ELECTRIC POWER INDUSTRY

Power System Basics – Understanding How
the Bulk Electric Power System Works

8:00 AM – 5:00 PM

TECHNICAL TOURS

Anaheim GIS Indoor Substation
(Underground Substation)

1:00 PM – 2:30 PM

2:00 PM – 3:30 PM

Cost: \$60

SCE Mesa Substation Tour
(Air Insulated Substation)

9:00 AM – 12:00 PM

Cost: \$50

TECHNICAL PROGRAM

TUESDAY, 7 MAY



OPENING SESSION

8:00 AM – 9:00 AM

SPEAKERS:

Shay Bahramirad - LUMA

Joseph Svachula - ComEd

Erik Takayesu - IEEE EAC Member

SUPER SESSION

SS01

Mind the Gap – Policy and Regulation for Accelerating the Grid of Tomorrow

9:00 AM – 10:00 AM

This panel session brings together experts and policymakers to analyze current policies concerning climate change. Specifically focusing on the electric sector, transportation, and buildings, the discussion will identify gaps inhibiting the achievement of greenhouse gas reduction goals. The session seeks to define actionable steps to accelerate a sustainable, decarbonized future and drive meaningful policy reform.

SPEAKERS:

Shay Bahramirad - LUMA

PANEL SESSIONS

PN01

Testing DERMS and DER Aggregators Towards Successful Implementation – Challenges and Opportunities

1:00 PM – 3:00 PM

PN02

Augmenting Traditional Utility P&C Approach With AI/ML for Solving Challenges for the Grid of the Future

1:00 PM – 3:00 PM

PN03

Wildfire Mitigation for Electrical Power Systems

1:00 PM – 3:00 PM

PN04

3 AM Topics That Keep Our Executives Awake – A Multi-Utility / Multi-Disciplinary Perspective

1:00 PM – 3:00 PM

PN05

Updates on FERC Order 881 and AAR/DLR Implementation

1:00 PM – 3:00 PM

PN06

IEEE PES YP Panel - The Grid of the Future: Opportunities and Challenges

1:00 PM – 3:00 PM

PN07

Integrated Planning for Modern and Future Distribution Systems

1:00 PM – 3:00 PM

PN08

Impacts of Electric Vehicle Charging on Distribution and Transmission System Reliability

1:00 PM – 3:00 PM

PN09

VSC & Grid Stabilization Technologies

1:00 PM – 3:00 PM

PN10

Transforming T&D Planning and Operations for Accelerated Decarbonization and Enhanced Resilience

3:00 PM – 5:00 PM

PN11

Inverter Based Resource (IBRs) Interconnection and Penetration Issues

3:00 PM – 5:00 PM

PN12

Future of Distribution Planning Studies with DER Aggregation due to FERC 2222 and Impact on Transmission Studies

3:00 PM – 5:00 PM

PN13

Communication and Control of Storage – The Enabling Capabilities

3:00 PM – 5:00 PM

PN14

Empowering Cooperative Utilities Through Distribution Automation for a Resilient Energy Future

3:00 PM – 5:00 PM

PN15

HVDC Transmission and FACTS Fundamentals

3:00 PM – 5:00 PM

PN16

Investigation of Stray and Contact Voltage Using IEEE 1695

3:00 PM – 5:00 PM

PN17

Recent Industry Experiences in Grid Modernization – Building the Grid of the Future

3:00 PM – 5:00 PM

PN18

Substation Digitization: A True Digital Twin for Substations and How to Get There

3:00 PM – 5:00 PM

IEEE PES PLAIN TALK ABOUT THE ELECTRIC POWER INDUSTRY

Distribution System – Delivering Power to the Customer

8:00 AM – 5:00 PM

TECHNICAL TOURS

Port of Long Beach

11:00 AM – 2:00 PM

Cost: \$85



TECHNICAL PROGRAM

WEDNESDAY, 8 MAY

SUPER SESSION

SS02

Transmission Buildout – The Solutions We Have and the Breakthroughs We Need

8:00 AM – 9:00 AM

The next 10-20 years will witness an unprecedented expansion of transmission infrastructure to support new energy resources. This panel session will address the challenges in creating a transmission system fit for clean energy, emphasizing the importance of proactive planning, upgrades to existing infrastructure, and the integration of grid-enhancing technologies. The session aims to pave the way for a cost-effective, sustainable energy future.

SPEAKERS:

Pat Wood - *Hunt Energy*

Elaina Ball - *CPS Energy*

SS03

Meeting the Energy Needs of Tomorrow – Integrated Planning for the Customers, Distributed Energy Resources, and the Grid

9:00 AM – 10:00 AM

In this session, the brightest minds in energy will explore the intricacies of integrated planning for tomorrow's energy ecosystem. Discussions will spotlight challenges and opportunities in harmonizing customer needs, grid evolution, and the rise of distributed energy resources (DERs). The session aims to outline strategies that bridge the gap between decentralized energy sources and traditional grid frameworks, charting a roadmap for a sustainable energy future.

SPEAKERS:

Damir Novosel - *Quanta Technology*

Elaina Ball - *CPS Energy*

Gabriel Bareux - *RTE*

Kevin Geraghty - *SDG&E*

Raiford Smith - *AES*

PANEL SESSIONS

PN19

Long-Duration Energy Storage: Navigating the Path to a Decarbonized Grid

1:00 PM – 3:00 PM

PN20

Leveraging Big Data to Improve Distribution Grid Modeling and Operation

1:00 PM – 3:00 PM

PN21

Climate-Driven Disturbances in the Western Interconnection: Challenges and Adaptation Solutions

1:00 PM – 3:00 PM

PN22

Improving Protection of Low-Voltage Networks with High DER

1:00 PM – 3:00 PM

PN23

Intelligent Grid Edge Voltage Control for Voltage Optimization and Ancillary Benefits

1:00 PM – 3:00 PM

PN24

Behind-the-Meter Assets: Path Towards Increased Visibility and Controllability

1:00 PM – 3:00 PM

PN25

Making the Decision to Invest in Major Underground Programs

1:00 PM – 3:00 PM

PN26

Cape Cod Microgrid: A Blueprint for Utility Scale Microgrid Implementation

1:00 PM – 3:00 PM

PN27

Enhancing Grid Resilience with HVDC and FACTS

1:00 PM – 3:00 PM

PN28

Integrated T&D Modeling and Simulation – Challenges, Solutions, and Future Research Opportunities

3:00 PM – 5:00 PM

PN29

Synchrophasor Monitoring Applications in IBR-rich Distribution Grids

3:00 PM – 5:00 PM

PN30

Operational Readiness for IBR-Dominated Power Systems

3:00 PM – 5:00 PM

PN31

Industry Viewpoints on IEC 61850

3:00 PM – 5:00 PM

PN32

Utility-Scale Energy Storage Deployment: Insights from Project Lifecycles and Fielded Experiences

3:00 PM – 5:00 PM

PN33

Racing to Meet Cloud Computing Demands: A Collaborative Approach for Data Centers and Utilities

3:00 PM – 5:00 PM

PN34

Virtual Inspections are Here to Stay – Past, Present, and Future

3:00 PM – 5:00 PM

PN35

Volt/var Control Equipment and Methodologies for Robust and Resilient Power System Operations

3:00 PM – 5:00 PM

PN36

HVDC Integration: Interoperability & Breakers

3:00 PM – 5:00 PM

POSTER SESSION AND RECEPTION

Including Student Poster Contest

5:00pm – 7:00pm

To view the current list of accepted papers for 2024, please visit ieeet-d.org/papers.

IEEE PES PLAIN TALK ABOUT THE ELECTRIC POWER INDUSTRY

Transmission System: The Interconnected Bulk Electric System

8:00 AM – 5:00 PM

TECHNICAL TOURS

Irwindale – Energy Education Center and Emergency Operations Center

10:00 AM – 1:00 PM

Cost: \$25

TECHNICAL PROGRAM

THURSDAY, 9 MAY

SUPER SESSION

SS04

Powering Progress: Overcoming Obstacles Towards the Energy Transition

8:00 AM – 9:00 AM

This panel gathers leaders to address complex challenges in the quest for a sustainable energy future. Discussions will highlight strategies for resilience in the face of supply chain disruptions and the need for upskilling and diversifying the workforce to meet evolving demands. Moreover, insights into cutting-edge grid technologies will be shared, emphasizing their role in integrating renewables and enhancing grid resilience. The session aims to foster innovation and collaboration, paving the way for progress in the energy transition journey.

SPEAKERS:

Joseph Svachula - *ComEd*

Duke Austin - *Quanta Services*

Marcus McCarthy - *Siemens Germany*

Andre Begosso - *Kearney*

SS05

Spark of Innovation: Exploring Decarbonization from Electrification

9:00 AM – 10:00 AM

During this session, energy innovators will outline the roadmap for achieving a decarbonized economy by 2045 through widespread electrification and grid expansion. Discussions will revolve around adopting zero-emission technologies in vehicles and buildings and emphasizing the actionable steps necessary for carbon neutrality. The session aims to harmonize policy, infrastructure, investment, and innovation to propel us toward a sustainable, electrified economy.

SPEAKERS:

Sue Tierney - *Analysis Group*

Matt Peterson - *Los Angeles Cleantech Incubator*

Peter Fox-Penner - *Energy Impact Partners*

Ann Rondeau - *Naval Postgraduate School*

Marianna Vaiman - *V&R Energy Systems*

SS06

Climate Change Impacts on the Grid of Tomorrow

3:00 PM – 4:00 PM

This panel brings together experts to explore how climate change is reshaping our energy landscape and the urgent need to bolster grid resilience. Discussions will underscore the necessity of investing in climate adaptation, emphasizing the stark contrast between present costs and the potentially exorbitant toll of inaction. The session aims to foster collaboration among industries and communities for a resilient, equitable, and sustainable energy future.

SPEAKERS:

Wayne Bishop - *Quanta Technology*

Michael Pesin - *U.S. DOE*

Catherine Stempien - *Avangrid*

Ken Seiler - *PJM*

Steve Edwell - *Economic Regulation Authority, Perth, AU*



PANEL SESSIONS

PN37

Opportunities and Challenges of Grid Modernization

1:00 PM – 3:00 PM

PN38

Data Orchestration and Autonomous Restoration to Enhance Community Resilience

1:00 PM – 3:00 PM

PN39

Hydrogen's Role in the New Green Ecosystem and Its Interactions with the Electric Power System – Utility and Developer Perspectives

1:00 PM – 3:00 PM

PN40

Cyber-Physical Situational Awareness Challenges and Opportunities in a Modern Smart Grid

1:00 PM – 3:00 PM

PN41

Expanding Asset Management Awareness to Enhance Grid Resiliency

1:00 PM – 3:00 PM

PN42

Unlocking the Flexibility of Supply and Demand Side for a Future Decarbonized Grid

1:00 PM – 3:00 PM

PN43

Empowering the Future of Electric Vehicle Adoption Through Grid Enhancing Technology

1:00 PM – 3:00 PM

PN44

Distribution Resiliency Metrics – An Update on Resiliency Metrics Development and an Overview of Resiliency Industry Research

1:00 PM – 3:00 PM

PN45

Grounding & IEEE 80 – What's Under Your Next Project?

1:00 PM – 3:00 PM

TECHNICAL TOURS

Center Peaker to see one of the “World's First Low-Emission Hybrid Battery Storage, Gas Turbine Peaker System”

10:00 AM – 12:00 PM

Cost: \$25

Reliability Utility Owned Energy System – Hinson Substation

1:00 PM – 3:00 PM

Cost: \$25

CLOSING SESSION

Plus Welcome to Chicago in 2026!

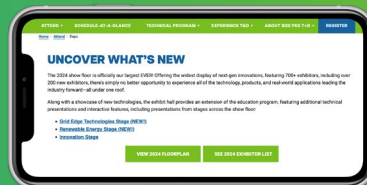
4:00 PM – 5:00 PM

2024 EXHIBITORS

As of 13 February 2024

Online Exhibitor List + Floor plan

Visit ieeet-d.org/attendee/expo/ for the full list of exhibitors and to see the floor plan.



3B Protection Inc
3M Electrical Markets Division
3MD Power Services
4RF USA Inc.
A S E C, Inc
A-Rent Test Equipment
ABB Inc.
ABIS Circuits Co., Ltd
ACE SUPER IMPEX
Actalent
Action Manufacturing
Aditya Birla Insulators (A Unit
of Grasim Industries Ltd.)
ADVANCED PEDESTALS
Advanced Power Technologies
Advanced Rubber Products
Advanced Test Equipment Rentals
AEMC Instruments
AFL
Aggreko
AiDash
Albarrie GeoComposites Limited
Alcad Standby Batteries
ALF (Henan Quanxiang
Industrial.Co.,Ltd)
All-Pro Fasteners, Inc
Alliance Metal India
Allied Bolt, Inc
Almetek Industries, Inc.
Aluma-Form, Inc
Ambor Structures, Inc.
American Polywater Corporation
AMERICAN WIRE GROUP
AMICO Security
Amod Stampings Pvt Limited
Ampacimon, Inc.
Ampjack Industries Ltd.
Amran Instrument Transformers
Anhui Changrong Electronics Co.,Ltd
ANHUI JUAN KUANG
ELECTRIC CO.,LTD
AP Sensing Americas
Apar Industries Ltd.
APEX PRODUCTS CO.,LTD
APP Engineering, Inc.
AQ Transformer Solutions Inc
Arcadis U.S., Inc.
Arcteq Relays Ltd
ARRUTI Group
Arteche
ASC, Inc.
ASHIDA ELECTRONICS PVT. LTD.

ASPEN, INC.
ASSET Engineering
Astor Transformator Enerji Turizm.
Ins.ve Pet. San.Tic. A.S.
Astro Chemical
AT&M Amorphous
Technology Co., Ltd.
Atkore
Atkore- Security
Avail Infrastructure Solutions
Axis Electrical Components
BAE Batteries USA
Bal Seal Engineering
Baoding JiKai Power
Equipment Co.,Ltd
BARBERI RUBINETTERIE
INDUSTRIALI SRL
Barnard Construction
Baron USA
Basic Concepts Inc.
Basler Electric Company
Bay Crane
Beijing Daelim Green EP Tech CO.,LTD
Beijing Gfuve Electronics Co.,Ltd.
Bekaert
Bentley Systems
BEST Transformer A.S.
Beta Engineering
Big River Industries (Ningbo)
Co.,Ltd.
billets Elektro Werke Pvt Ltd.
Bird Barrier America
Birdzoff
Black & Veatch
BlockEnergy
Brooks Manufacturing Company
BTECH, Inc
Burns & McDonnell
Bushing Beijing HV Electric Co., Ltd
C Three Group, The
CAB Products
Cable Technology Laboratories
Calumet Specialty Products
Partners, L.P.
Cam Tran Co. Ltd.
Cambridge-Lee Industries LCC
Camlin Energy
Conduct Industries
Canfield Test
Cargill
Carraro Tecno
Carte International Inc.

CBC Metals Processing
CCPIT ECC
Cembre Inc
Centriforce Products Ltd
Centuri Group, Inc.
Chander Electronics Corporation
Checon LLC
Chengdu Qianhong Communication
Co., Ltd
Cheryong Electric Co., Ltd
CHINA ENERGY AND CHEMICAL
INDUSTRY CO.,LTD
CHM Industries
CIGRE USNC
CJI Insulators / Porcelain
Classic Connectors USA
Cleaveland/Price Inc.
Cloverdale Paint Inc
CO7 Technologies
Coil Innovation USA, Inc.
COMET METALS INC
Commonwealth Associates, Inc.
Concast, Inc.
Concentric
Concorde Specialty Gases
CONDIS SA
Condux Tesmec, Inc.
Conex Metals
Constellation Powerlabs, LLC
Construction Innovations
Control Panels USA Inc.
ControlPoint Technologies Inc.
Copperweld Bimetallics, LLC
COREAL ALUMINYUM KABLO
SAN. TIC.A.S.
Cottrell Paper Company
Coveme
Craig Wire Products, LLC
Creative Composites Group
Crosslink Technology Inc.
Crown Technical Systems
CTC Global
CTC Insulator Co., Ltd.
Custom Truck One Source
CYG INSULATOR CO.,LTD
d2 Engineering., Co Ltd
Dalian Hivolt power System Co., Ltd
DALIAN HUAYUE METAL
PRODUCTS CO.,LTD
DALIAN INSULATOR GROUP
T&D CO.,LTD.
Dalian KING Electric Power Ltd.,

DALIAN RELIABLE
INTERNATIONAL CO., LTD
DANISH PRIVATE LIMITED
Dantherm Cooling
DARPA engineering llc
Davey Resource Group
Delphire Inc
Delta Star, Inc.
Demirer Kablo Tesisleri San ve
Tic A.S.
Detect
DEWESoft LLC
DlgSILENT Americas LLC
DILO Company
DIS-TRAN Packaged Substations
DIS-TRAN Steel, LLC.
DiversiTech
DMB Winders LLC
DMC Power
DNV USA, INC
Doble Engineering Company
Dongwoo Electric Corp.
DSG-Canusa
DuPont Protection Technologies
Durisol Ltd.
Dynamic Ratings, Inc.
E-Abel Electrical Equipments INC.
Eagle Eye Power Solutions
Eaglerise Renewable Energy USA Inc
East Penn Manufacturing Co
Eaton
EC INSULATOR JIANGXI CO.,LTD.
Eco-Electrical Systems, LLC
EG KOREA
EJ
Ekofluid GmbH
El Power Tech Co., Ltd.
Elecnor Hawkeye LLC
Electric Power Engineers
Electric Powertek Company Ltd.
Electrical Consultants, Inc.
Electrical Grid Monitoring
Electrical Reliability
Services, Inc. (ERS)
Electrofocus Electricals
Electromark Company
Electrostatics Ltd.
Electroswitch
Electrowind
Elgin Power Solutions
Elpress Inc
ELTAS TRANSFORMATÖR A.S.

EMA Electromechanics
 EMB GmbH
 EMCO INDUSTRIES LIMITED
 EMEK ELEKTRIK ENDUSTRISI A.S.
 Emerald Transformer
 Emerys Holding
 Emmaus Energy, LLC
 Empire Alloys Pvt. Ltd.
 EMSPEC / HAPAM
 EMT SF6 & Eco Gas Analysis
 & Handling
 Enercon Services, Inc.
 EnerNex - KEMA Labs
 EnerSys
 Engineered Intelligence Inc.
 ENPAY TRANSFORMER
 COMPONENTS
 Entec Electric & Electronic Co., Ltd.
 entegra gmbh
 ENTRUST Solutions Group
 EPRECSA
 EPS / NASS
 Epsilon Composite Cable
 Ergon, Inc.
 ERLPhase Power Technologies
 Ermco, Inc.
 ETAP
 EUROPOXY FZCO
 Everpower Electric Industries
 (Foshan) Co., Ltd.
 Exel International
 Exponential Power, Inc.
 Fanox Electronic, S.L.
 Farady Electric Co.,LTD
 FDH Infrastructure Services
 Federal Pacific
 FIBREBOND
 Filnor Inc.
 FirstPower
 FISO Technologies Inc
 Foam Supplies, Inc.
 Fortune Electric Company, Ltd.
 Franklin Electric | Grid Solutions
 FulcrumAir Corp
 Furukawa Electric Group
 Fushun Electric Porcelain
 Manufacturing Co., Ltd
 G-Tower
 G.K. Xianghe Electricals Pvt. Ltd.
 G&W Electric
 GAI Consultants, Inc.
 Galvan Industries, Inc.
 Gannett Fleming
 garza electrothermal
 GAZ Energy, LLC
 GBE S.p.A.
 GE
 GIS Surveyors
 GlenGuard
 Global Power Components
 Global Power Products, Inc.
 GlobeCore USA
 GORE-TEX Professional
 Greenwood Power Inc.
 GRESCO
 GridIntel
 GridWrap, Inc.
 Guangdong Henvcon Electric
 Power Technology Co.,Ltd.
 Guangdong Shengte Electric Co. Ltd
 Guangtai Mold Industrial Company
 Limited
 Guangzhou Guanggao High Voltage
 Electric Apparatus Co., Ltd.
 Guangzhou Guanxie Fan
 Manufacturing Co., Ltd.
 Guangzhou Kaiheng K&S Co., Ltd
 Guangzhou MPC Power
 International Co., Ltd.
 GUJARAT COPPER ALLOYS LTD
 H-J Family of Companies
 Hardcraft Industries, Inc.
 Harger Lightning & Grounding
 Hatch
 Haverfield Aviation
 Haysite Reinforced Plastics
 HD Hyundai Electric
 HD Hyundai Electric
 HDR
 HE BEI KA-BETTER ELECTRIC
 POWER TECHNOLOGY CO. LTD
 HEBEI CROWN WEALTH METAL
 PRODUCTS CO.,LTD
 Hebei Runze Electric
 Technology Co.,Ltd.
 Hebei Sali Electric Equipment
 Manufacturing Co., Ltd
 Hebei Yipeng Line Equipment
 Manufacture Co.Ltd
 HEC Corp.
 Heimdall Power Inc
 Heinrich Georg GMBH
 Henan Huaxing Wires and
 Cables Co. Ltd.
 Henan Jingwei Electric Power
 Technology Co., Ltd
 Hencent LLC
 Hendrix and Kerite by Marmon Utility
 HI TECH RADIATORS PVT LTD
 HICO America
 High Voltage, Inc.
 HighStep Systems
 HIGHVOLT Prüftechnik Dresden
 GmbH, a division of Reinhausen
 HindlePower, Inc.
 Hit Tools USA
 Hitachi Energy USA Inc.
 HLH Aviation
 HLI Rail & Rigging, LLC
 HOGN ELECTRICAL GROUP CO., LTD
 HONLE GROUP CO.,LTD
 Howard Industries
 HS SPRINGSTEEN ENTERPRISE
 Hubbell Utility Solutions
 HUBEI JIANGTE INSULATION
 COMPOSITE CO., LTD
 HÜBERS Verfahrenstechnik
 Maschinenbau GmbH
 Hughes Brothers, Inc.
 HUIXING INDUSTRY(QINGDAO)
 CO., LTD.
 Hunan Liling Pukou Huagao
 Electric Ceramic and Electrical
 Appliance Co., Ltd.
 HUNAN YANGDONG PORCELAIN
 INSULATORS & ELECTRIC CO.,LTD
 HV Diagnostics, Inc.
 HV TECHNOLOGIES, Inc.
 I-TECH USA, INC.
 IAC Electricals Pvt Ltd
 IEEE Foundation
 IEEE Future Directions
 IEEE Smart Village
 IEEE Standards Association
 IEEE Xplore® Digital Library and
 Continuing Education
 IFD Technologies
 ILJIN Electric Co., Ltd.
 IMCORP
 IML North America
 Incab America LLC
 Indel Bauru USA, LLC
 Induron Protective Coatings
 Industrial Electric MFG. (IEM)
 Inertia Engineering
 Infrared Inspection Systems
 Innovative Insulators Company
 Insulboot
 Intelligent NRG Solutions LLC
 intellirent
 INTERNATIONAL METALS
 DE MEXICO
 IPS-ENERGY USA, Inc.
 Irby Utilities
 Isokon
 ITEC, a division of Power Grid
 Components
 J&D Electronics
 JFE Shoji Power Canada
 JIANGSHAN SCOTECH
 ELECTRICAL CO., LTD
 Jiangsu Acrel Electrical
 Manufacturing Co.,Ltd.
 Jiangsu First Power Co. Ltd
 Jiangsu Huachen Transformer
 Co., Ltd.
 Jiangsu Lafael Electric Co., Ltd.
 Jiangsu LITEC Electric Co.,Ltd
 Jiangsu Ryan Electric Co.,Ltd
 Jiangsu Shemar Electric Co., Ltd.
 Jiangsu Tianwei Transformer Co.,Ltd
 JIANGSU YANGDIAN
 TECHNOLOGY CO., LTD
 Jiangsu Yawei Transformer
 Co.,Ltd.
 Jiangxi Hunttec Electrical
 Technology Co.,Ltd.
 Jiangxi Qianglian Electric Co.,Ltd
 Jiangyin Spark Electronic
 Technology Co., Ltd
 Jilin City Nengxing Electric Power
 Equipment Co., Ltd
 Jinan Meide Casting Co., LTD
 Jinma Industrial Group Co.,Ltd.
 JOC Machinery Co. Ltd.
 Joongwon Co.,Ltd.
 JSHP Transformer
 JST Power Equipment, Inc.
 K-Line Insulators Limited
 Kaddas Enterprises, Inc.
 Kaizen Switchgear Products
 (Epoxy House Group)
 Kamal Metal Products
 Kappa optronics Inc.
 KARAMTARA ENGINEERING
 PVT. LTD
 KARNA INTERNATIONAL
 KBI Cosmolink Co., Ltd.
 KDM Engineering
 Keeley Construction
 Kenner Innovative Design
 Systems LLC
 Kiewit
 Kinectrics
 Kingsine Electric Automation
 Co., Ltd
 Klute Inc.
 Kokosing Industrial, Inc.
 Končar D&ST
 KONČAR-Instrument
 transformers Inc.
 Korea Electrical Manufacturers
 Association
 KP Electric Co., Ltd.
 Krempel GmbH
 Krenz and Company Inc.
 Kronos Utility
 KSE Electricals Pvt Ltd
 KSH International
 KUVAG North America Inc.
 kVP Energy Services
 KYORITSU AMERICA LLC
 L.A.E. Lughese Attrezzature per
 l'Elettromeccanica S.r.l.
 La Marche Manufacturing Company
 Laki Power
 LAMBDA SCOPE
 Lamifil
 Laminated Wood Systems, Inc.
 Laser Tech
 LEGION ENERGY PRODUCTS
 PRIVATE LIMITED
 Legnano Teknoelectric Company
 Leidos
 LIAONING XD XINGQI ELECTRIC
 MATERIAL CO.,LTD
 LILING DONGFANG ELECTROCE-
 RAMIC CO., LTD
 Liling Huaxin Insulator Technology
 Co., Ltd
 LILING ROYAL INSULATORS&
 POWER PRODUCTS CO., LTD.

2024 EXHIBITORS

As of 13 February 2024

Lindsey Systems
LineVision
Loresco Inc.
Lovink Enertech B.V.
LS ELECTRIC America Inc.
Lumino Industries Ltd
Luoyang Xinghe Special Type Transformer Co., Ltd
MacLean Power Systems
Maddox Industrial Transformer
Magnum Piering
Marangoni
Marathon Special Products
Mastro Graphics
Matrix Service Company
Maverick Corporation
MB Metal Technologies LLC
Mega Power Systems
Megger
Mehta Tech, Inc.
Meiden America Switchgear, Inc.
Meister International LLC
Mesa Associates Inc.
METALPOL S.A, de C.V.
MetPlas Inc.
Meyer Utility Structures
Michels Power, Inc.
MIDEL
Midsun Group, Inc.
Milbank
MindCore Technologies inc.
Mississippi State University
Mitas Industry Inc.
Mitsubishi Electric Power Products, Inc.
Mobility Energy Innovations Kft.
MODERN INSULATORS LIMITED
MODICON PRIVATE LIMITED
Monti Inc
Morpac Industries, Inc.
Motic (Xiamen) Electric Group Co., Ltd
MTC Korea Corporation
MVA
MVA Power Inc
Myers Power Products, Inc.
NAMDO ELECTRIC CO.,LTD.
NANA UDYOG
Nanjing Electric (Group) Co.,Ltd
Nanyang jinniu electric co., LTD
Nanyang Zhongwei Electric Co., Ltd.
Natina
National Strand Products, LP
National Telephone Supply Company
NDB Technologies
NEETRAC/Georgia Tech
NEI Electric Power Engineering, Inc.
NEO Messtechnik GmbH
New River Electrical Corporation
Newell-PSN LLC, a division of Power Grid Components

Newpark Mats & Integrated Services
NGK-LOCKE, INC.
NIKKON FERRO PRIVATE LIMITED
Ningbo AUX Smart Technology CO. LTD.
Ningbo Degson Electrical Co., Ltd
Ningbo Tonylum New Material Technology Co.,Ltd.
NM Group (Network Mapping Inc.)
NOARK Electric
NOJA Power Switchgear
Nordic Fiberglass, Inc.
Norstan, Inc.
North American Clean Energy
NovaTech Automation
NRECA
Nucleom
Nucor Towers & Structures
nVent ERICO
Ofil Ltd.
Okonite Company, The
Oldcastle Infrastructure
Olsson
OMICRON electronics Corp. USA
onepredict
OneSource Restoration, LLC
Onload Gears Private Limited
Orient Electric International Group Limited
Oriental Export Corporation
ORMAZABAL
Orto de Mexico, S.A. de C.V.
OSENSA Innovations Corp.
Osmose Utilities Services, Inc.
Pacific Science & Engineering Group
Panel Built
Paradoxe Corporation
Parts Super Center
Pascor Atlantic Corporation
Pearl Electric Co.,Ltd.
Pennsylvania Transformer
PENTA Electrical Safety Products LLC
Permacast Walls
Petro-Canada Lubricants Inc.
Petroflex NA
PFIFFNER Group
Phasr industries
Phillips & Jordan, Inc.
Phoenix Electric Corp.
Piedmont Bushings and Insulators, LLC
Pinnacle Pole LLC
PLANSEE SE
PLP
Plumettaz America Corp.
Plymouth Rubber Europa, S.A.U. - Vat: ESA36269694
PNC Technologies Co., Ltd.
POINSA Porcelain and Polymer Insulators
Polaris Electrical Connectors
Polycast International

Ponovo Power Co. LTD
Powell Industries, Inc.
Power Delivery Products, Inc.
Power Diagnostic Service Co., Ltd
POWER Engineers, Inc.
Power Grid Components, Inc.
Power Line Robotics
Power Line Systems
Power Monitors, Inc. (PMI)
Power Systems Integrity
POWERCORE INDUSTRIES INDIA PRIVATE LIMITED
Powering America NECA-IBEW
Powerline Hardware
POWERMAX CO., LTD.
Powertech Labs Inc.
PPC Insulators
Primax Technologies Inc
Primoris Services Corporation
Prisma Photonics
ProColombia
Prolec
Protec Equipment Resources
Protective Industrial Products
Prysmian Group (formerly General Cable)
PSCAD™
PSP Products, Inc
PT Bambang Djaja / B&D Transformer
PUPI Crossarms (GEOTEK)
PXISE
Qingdao Byron Broad Machinery Co., Ltd.
Qingdao Yunlu Advanced Materials Technology Co., Ltd.
Qualitrol Company LLC
Quality Power
Quanta Services
Radiant enterprises
Raytech USA, Inc.
RCM Technologies
Rea Magnet Wire
Red Phase Instruments
Reformtech Co.Ltd.
Reinhausen Manufacturing Inc.
Remote Solutions, LLC
RESA Power
RH Systems, LLC.
Rhizome
RHM International
Richard Bergner Electrical Fittings
Richards Manufacturing
Rising Edge Technologies (California), LLC
Ritter Starkstromtechnik GmbH & Co. KG
Ritz Instrument Transformers, Inc
RNG Exports Private Limited
Roehling Industrial North America
ROHN Products, LLC
Rokstad Power
Roxtec Inc.

Royal Switchgear Manufacturing Company, a division of Power Grid Components
RPM Test Equipment Solutions, Inc.
RS Technologies Inc.
RTDS Technologies Inc.
S&C Electric Company
SA-RA Group
Saber Power Services
Sabre Industries
SAE Inc.
Saft America, Inc.
SAM Companies
Sam Dong Inc.
SANDIAN ELECTRIC
Sargent & Lundy
SAS INSTITUTE INC.
SATEC Inc.
SAVER S.p.A.
SBB EMERGENCY TOWERS
SBS
Schneider Electric
Schweitzer Engineering Laboratories, Inc
Scott Manufacturing Solutions, Inc.
SDMyers
Sediver
SEECO
SEFCOR, Inc.
SensorLink Corporation
Sentry Electrical Group, Inc.
SERTEK - SERRA GLOBAL TECHNOLOGY SA DE CV
SFA ELECTRIC
SGB-SMIT Group
Shaanxi Taporel Electrical Insulation Technology Co., Ltd.
Shallco Incorporated
Shandong Hada Electric Co., Ltd
Shandong Ruitai Glass Insulator Co., Ltd
Shanghai Huaming Power Equipment Sales Co., Ltd.
shanghai Linsky Electrical Co.Ltd
Shanghai Shemar Power Engineering Co., Ltd
Shanghai Tunghsing Composites Co., Ltd.
Shanghai UPUN Electric (Group) Co., Ltd.
SHANGHAI WENYOU INDUSTRY CO., LTD
Shanxi Huaxin Electric Co.,Ltd.
Shell Oil Products
Shenyang Hongyuan Magnet Wire Co.,Ltd.
Shenyang Youda Insulating Materials Co.,Ltd
Shenzhen Chuangyin Co., Ltd
Shenzhen Cubenergy Co., Ltd.
Shihlin Electric and Engineering Corporation
SHILPA STEEL & POWER LTD, INDIA

SHINYOUNG ELECTRIC CO.,LTD.
Shubhada Polymers Products
Pvt. Ltd.
Siba Fuses LLC
Sicame Group
Sichuan Chuangshiding Electronic
Co.,Ltd.
Sichuan Yibin Global Group Co.,Ltd
Siemens Energy
Siyuan Electric Co., LTD
Sigma Corporation
Signature Systems
Silicon Technology SAC
Silverado Engineering
Simplex Engineering Co.
SINOMA JIANGXI INSULATOR AND
ELECTRICITY. CO., LTD.
Sinoval International Energy Ltd
Skipper Limited
Slacan Industries Ltd
Slingco
SMART GRID SOLUTIONS
SMC
SNC Manufacturing
SOCOME GROUP POWER
EQUIPMENT CO.,LIMITED
Solidification Products Int'l. Inc.
Soltex, Inc.
Southern States, LLC
Southwest Electric Co.
Southwire Co
Sparkstone Electrical Group
SPECTRUM INDUSTRIES, INC
Speedwell Technologies PVT LTD.
Spiradrill
Standard Spring & Metal
pressing works
Stanley Consultants
Stantec Consulting
Stark Tech
Staubli Electrical Connectors, Inc.
STEGO, Inc.
Sterling Site Access Solutions
Stored Energy Systems (SENS)
STORK RUBBER PRODUCTS
PVT. LTD.
Streamer Electric AG
StressCrete Group
STRUCTURAL AND STEEL
PRODUCTS, INC.
SubGrid Solutions
SUBNET Solutions Inc.
Substation Engineering Company
Suedkabel GmbH
Sunbelt Solomon
Sungjin General Electric Co.,Ltd.
Superior Concrete Products
SUZHOU DRIVELONG INTELLIGENCE
TECHNOLOGY CO.,LTD
Suzhou Furukawa Power Optic
Cable Co., Ltd
SUZHOU JIEZOU POWER CO., LTD.
Systems With Intelligence

T&D World
T&R Electric Supply Company
Tag Corporation
Taihan Cable & Solution Co., Ltd.
TAIHAN FIBEROPTICS CO., LT
Taixing Longyi Terminals Co., Ltd.
Taizhou Huangyan MDC
Mould&Plastic Co.,Ltd
Taizhou Naibo Machinery Co.,Ltd
TATUNG ELECTRIC CO. OF
AMERICA, INC.
TE Connectivity / Raychem
Team Fishel
Tech Products, Inc.
Technofink
Tecsystems SRL
TEEE
TENGTOP(QINGDAO) INDUSTRIAL
PRODUCTS CO., LTD.
TESLA TRANSFORMERS (INDIA)
LIMITED
Tetra Tech Canada Inc.
Texas Transformers &
Equipment LLC
TGG
The Gund Company, Inc.
The Rubber Group
Threaded Fasteners, Inc.
Three D Metals
ThyssenKrupp Materials
TONGLING HUAWEI MATERIAL
CO., LTD
Topolonet Corporation
TorcSill Foundations, LLC
Tower Solutions Inc.
Trachte LLC
TRADELEC, LLC, REPS de ASP off
load Tap Changers
Trafo Sterling
Tranco Production Machines Ltd
TransAmerican Power Products,
Inc. (TAPP)
Transformers Magazine
TransGard LLC
TRAVIS PATTERN FOUNDRY
Trayer Engineering Corporation
TRC
Trench Limited
Trex-Ai Inc
Triple Crown Products, Inc.
TRISHUL WINDING SOLUTIONS
PVT LTD
TS Conductor Corporation
Tulstar Products
TÜV RHEINLAND (SHANGHAI)
CO., LTD.
TW Metals, LLC
Tymetal Corp.
Tyndale Company, Inc.
UL LLC
Ulteig
Underground Devices, Inc.
United Engineers & Constructors

USABand
UTB Transformers
Uticom Systems Inc.
Utility Pole Solutions, Inc
Utility Solutions Inc.
UVIRCO Technologies (Pty)Ltd
V&R Energy
VAF Industries, LLC
Vaisala
VALMONT INDUSTRIES INC
Vanguard Electric LLC
VANQUISH Fencing Solutions
VanTran Transformers
Varasset
VEIR
VFP, Inc.
VIAT America Inc
Victor Insulators, Inc
Vidya Wires Pvt LTD
Viking Mat Company
VIN DIP INDIA PVT LTD
Virginia - Georgia Transformer Corp
VitzroEM
VIZIMAX Inc.
Volatus Aerospace
VON Corporation, The
W. E. Gundy & Associates, Inc.
(WEGAI)
WEG Transformers USA
Weidmann Electrical Technology Inc.
Wells-Elliott Engineering
Wellwin Precision Mould Co., Ltd.
WENZHOu ONKAKIMPEX CO. LTD
Wenzhou Vacem Technical
Co., Ltd.
Weschler Instruments, Div of
Hughes Corp.
West Power Energy
Westwood Professional Services
Wieland Farmers Copper
WIKI Instruments, LP
Wiley-IEEE Press
Williams Form Engineering
Corporation
Wilson Bohannon Lock Company
Wilson Construction Company
WINCHES INC.
Windsor Stevens
WINNING ELECTRICAL CO LIMITED
Winola Industrial Inc.
Winwin Speciality Insulators Limited
Wish Composite Insulator Co., Ltd

Worcester Polytechnic Institute
WSP
WUXI PUTIAN IRON CORE CO.,LTD.
Xi'an Tian Gong Electric Co., Ltd
Xi'an GaoQiang Insulation Electric
Co., Ltd
Xiamen Four-Faith Smart Power
Technology Co.,Ltd.
Xiamen Peaks Electric Co., Ltd
Xiamen weisheng electric Co.,LTD
Xian High Voltage Apparatus
Research Institute Co., Ltd.
XINLING ELECTRICAL CO., LTD
YAK ACCESS
Yangzhou Daheng Electric
Technology Co., Ltd
YANGZHOU OAK IMP& EXP. CO., LTD
Yash Highvoltage Ltd
YIZUMI RUBBER MACHINERY
CO.,LTD.
YUE QING HEYI ELECTIRCAL
CO.,LTD
YUEQING KASEEY ELECTRIC
CO., LTD.
Yueqing Liyond Electric Co., Ltd
Yueqing Sarah Electric Technology
Co.,Ltd
ZAPEL S.A.
Zeus Power Supplies LLC
Zheguang Electronics Co., Ltd.
ZHEJIANG 71 ELECTRIC CO.,LTD
Zhejiang BSB Electrical
Appliances Co., Ltd.
ZHEJIANG CHIMA ELECTRIC
POWER TECHNOLOGY CO., LTD.
ZHEJIANG JINGHONG ELECTRIC
CO.,LTD.
Zhejiang Lianxiang Hardware
S&T Co., LTD
Zhejiang Meto Electrical Co.Ltd
Zhejiang New Folinn Electric
Co.,Ltd.
Zhejiang Tongzhou Electrical
Co.,Ltd.
Zheng Fuerte Electrical Apparatus
Co., Ltd
ZHENGZHOU LP INDUSTRY
CO., LTD.
Zhongbian Group Shanghai
Transformer Co Ltd
ZTZ Services International

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