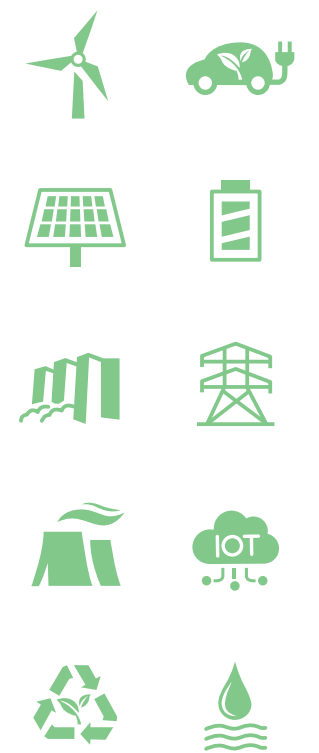




# IERE

Electric Power  
Technology Platform



## Our Partners

eurelectric

INTERNATIONAL CENTRE FOR  
SUSTAINABLE CARBON

JAPAN CARBON  
FRONTIER ORGANIZATION

VGBE  
ENERGY IS US

Gas Turbine Society of Japan

IFRF



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TEL/FAX: +81-3-5438-1717  
<https://www.iere.jp>

IERE is accredited to roster of consultative advisors for  
the UN/ECOSOC.



Mega Trends



Issues



Co-evaluate technologies

Collaboration



Connect members

Discussion



Explore new findings

Challenge a new approach



Combine expertise



Get solved



Develop new strategies

# IERE

Non-profit,  
Unique,  
Global platform

Exchange research information

Electric Power Sector



# Outline of IERE

## IERE

An international, non-profit organization established in 1968 as the International Electric Research Exchange. It serves executives, senior managers, engineers, and researchers who are responsible for electricity and energy-related research & development (R&D) and solutions.

## Vision

To be a unique global platform serving its members through the exchange of technical expertise and know-how of advanced and appropriate technologies and R&D in the electric power sector.

## Missions

- Evaluate innovative and emerging technologies and promote their implementation to realize safe, sustainable, affordable, and resilient electric power systems.
- Help establish corporate strategy related to R&D given the emerging trends influencing the evolving power industry landscape.

# General Meetings and Forums

General meetings and forums are core components of IERE's activities. The general meeting focuses on reporting Board decisions to members, while the forum, held alongside the general meeting, serves as its technical session. Forums facilitate discussions on current technical issues and R&D strategies. These events bring together members and guests from various fields to address globally significant themes and areas of mutual interest.



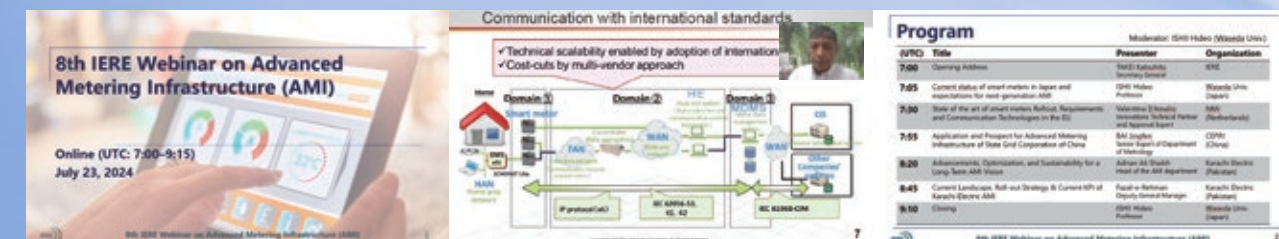
# Workshops

Workshops are international conferences designed around themes determined by the needs of local hosts. They provide a platform for discussing the current status of relevant R&D and foster multilateral communication among members, helping them respond effectively to evolving energy demands.



# Webinars

Webinars are online seminars led by experts focusing on the latest topics and practical technical subjects requested by members. The purpose of the webinars is to enhance information-sharing opportunities among members by featuring experts on technical themes relevant to their needs and delivering lectures online.



# Technology Foresight

Launched in 2016, Technology Foresight investigates the current status and forecasts future developments of critical technologies in the electric power industry. This initiative offers valuable insights for members' strategies and identifies key areas of technological progress, benefiting all IERE members.



# R&D Collaborations

R&D collaborations are projects based on the principle of "burden sharing," where members with shared interest in specific technological advancements collaborate under a designated leader to tackle challenges. Participants contribute expertises, information, skills, and work force, with all members anticipating equitable or comparable benefits from these collaborations.



# Chair's Message

The global race towards carbon neutrality presents one of the most significant challenges of our time, placing the energy industry at the forefront of this endeavor. The atmosphere, indifferent to national boundaries, reminds us that greenhouse gas emissions are a shared responsibility. Consequently, this race can only be won through international collaboration and a relentless commitment to innovation. It is only by accelerating the transformation of our energy systems at an unprecedented pace and scaling sustainable technologies on a global scale that we can prevent irreversible harm to our environment and, ultimately, to human life.

While the challenges we face in transforming energy systems are universally shared, the strategies and approaches we adopt often vary from country to country. By fostering a culture of mutual learning and knowledge exchange, we can amplify our collective efforts and drive meaningful progress towards greater sustainability.

IERE stands as a unique global platform dedicated to facilitating the exchange of technical expertise, advanced technologies, and research and development insights. Through its annual workshops, forums, and collaborative initiatives such as joint research projects, Technology Foresight studies, and engaging webinars, IERE provides invaluable opportunities to deepen our understanding, explore diverse perspectives, and strengthen connections among members.

It is both an honor and a privilege for me to serve as Chair of IERE. Together with the Board and the Central Office, I am committed to ensuring that IERE continues to deliver value to all its members. I eagerly anticipate engaging in fruitful discussions, fostering collaboration, and driving impactful outcomes with each of you.

Munib AMIN  
Chair





## IERE Board Members

Chair	Munib AMIN, E.ON, Germany	
Vice Chair	WANG Weisheng, CEPRI, China	
Treasurer	Brendon JOE, CLP, Hong Kong SAR	
Board Members	FUJIOKA Naoto, CRIEPI, Japan Jan MERTENS, ENGIE, France Maria MARTIN, EPRI, US Eun Bo SIM, KEPCO, South Korea	SHAN Shewu, NARI, China Ingo BIRNKRAUT, RWE TI, Germany SEKI Tomomichi, Tokyo EPCO, Japan
Advising Chair Emeritus	Roger BALLAY, France Gregory TOSEN, South Africa	

## IERE Members

### Executive Members

- CEPRI, China
- Chubu EPCO, Japan
- CLP, Hong Kong SAR
- CRIEPI, Japan
- E.ON, Germany
- ENGIE, France
- EPRI, US
- Eskom, South Africa
- Kansai EPCO, Japan
- KEPCO, South Korea
- Mitsubishi Electric, Japan
- NARI, China
- RWE TI, Germany
- TenneT, Netherlands
- TEPCO, Japan
- TOSHIBA, Japan
- XJ Group, China

### Regular Members

- APC, Philippines
- CEZ, Czech
- Chugoku EPCO, Japan
- CSIRO, Australia
- EnBW, Germany
- FEPC, Japan
- Fuji Electric, Japan
- Hitachi, Japan
- Hokkaido EPCO, Japan
- Hokuriku EPCO, Japan
- Hyundai Electric, South Korea
- IEC, Israel
- IHI, Japan
- INEEL, Mexico
- J-POWER, Japan
- JAPC, Japan
- Karachi Electric, Pakistan
- KERI, South Korea
- KOWEPO, South Korea
- Kyushu EPCO, Japan
- LS ELECTRIC, South Korea
- MERALCO, Philippines
- MHI, Japan
- NGK, Japan
- PIESA, South Africa
- PLN, Indonesia
- Powertech Labs, Canada
- Prolec GE, Mexico
- SEI, Sumitomo Electric, Japan
- Shikoku EPCO, Japan
- SPPA, Singapore
- SwRI, US
- TNB, Malaysia
- Tohoku EPCO, Japan
- TPC, Taiwan
- Vaisala, Finland

### Academia Members

N/A

### Individual Members\*

- Mark Stephen DUDZINSKI, US
- Mark LAUBY, US

\* The individual members shall be recommended by the Board


## General Meetings/Forums

Year	Venue	Theme
2024	Bali, Indonesia	Distributed Power Generation for increasing Renewable Energy Penetration
2023	Singapore	Accelerating the Carbon-Neutral Energy Transition for Industry and Territories
2019	Sun City, South Africa	Electricity & the 4th Industrial Revolution – an Africa perspective
2018	Kyoto, Japan	Power Transmission and Distribution Systems in the Next Generation
2017	Vancouver, Canada	Electric Power Storage, Energy Conversion and Impact on the 21st Century Power Grid
2016	Beijing, China	Power Grid Development in the New Situation of World Energy Transition
2015	Berlin, Germany	International Energy Systems in Transition - Perspectives from Science and Industry -
2014	Charlotte, US	The Integrated Grid – Realizing the Full Value of Central and Distributed Energy Resources
2013	Arusha, Tanzania	R&D Road Map for Efficient Electrification / Renewable Energy in Support of Rural Electrification
2012	Seoul, South Korea	Post-Fukushima / Technologies overcoming Economic and Natural Disaster
2011	Cancún, Mexico	Electricity and Major Issues for IERE in the Next Decade / Reliable and Sustainable Energy Systems
2010	Montréal, Canada	R&D Roadmap / From Low Carbon to No Carbon / Optimal Control for the Integration of Renewable Energy

 More information from 2001 to 2009 on our website


## Workshops

Year	Venue	Theme
2025	Taipei, Taiwan	Towards Net-Zero: Strategies and Innovations in the Power Industry
2024	San Antonio, US	Enabling Technologies for the Energy Transition
2023	Brisbane, Australia	Hydrogen in Clean Energy Transition
2019	Bali, Indonesia	Smarter and Cleaner Electricity for Better Life
2018	Munich, Germany	Power Generation in Transition
2017	Putrajaya, Malaysia	Technologies Reshaping the Electricity Supply Industry
2016	Hong Kong SAR, China	Smart Cities - A Convergence of People, Technologies and Big Data
2015	Tokyo, Japan	Advanced Electric Power Management - Thermal Power Generation against Huge Impact by Renewable Energy Penetration -
2014	Brussel, Belgium	Energy at Home
2013	Bangalore, India	Emerging Automation and Information Technologies for Power Industry Growth
2011	Nanjing, China	Smart Grid and Energy Efficiency
2011	Düsseldorf, Germany	Integration of Renewable Energies

 More information from 2002 to 2010 on our website

## Webinars

Year	Month	Theme
2025	April	9th IERE Webinar “Webinar on Rechargeable Battery Development and Evaluation for Energy Storage”
2024	July	8th IERE Webinar “Webinar on Advanced Metering Infrastructure, AMI”
2024	March	7th IERE Webinar “Webinar on AI Collaboration Project, 2nd Round”
2022	November	22nd IERE General Meeting and 6th IERE Webinar “Toward Enhanced Resilience for Electric Power Systems”
2022	March	5th IERE Webinar “Webinar on AI Collaboration Project”
2021	November	4th IERE Webinar “Towards a Carbon Neutral Energy Future”
2021	October	21st IERE General Meeting and 3rd IERE Webinar “Key Technologies in the Next Chapter of the Energy Transition”

 More information 2020 on our website