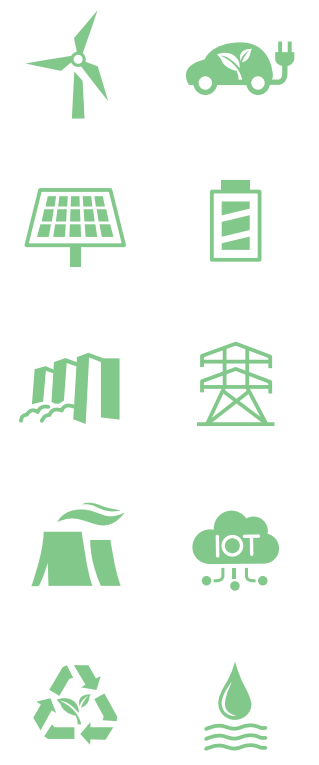




電力交換 IERE  
 Energie électrique Recherche  
 Elektrická energie Výzkum Výměna  
 Elektrische Energie On  
 Energia elettrica Investigar Intercambio  
 Energia elétrica Pesquisar Intercâmbio Elektriese  
 Navorsing Ruil Energia elettrica Ricerca Scambi  
 Elektrische Energie Forschung Austausch Kuasa elektr  
 Penyelidikan Pertukaran Sähkövoima Tutkimus Vaihto  
 Elektrisk energi Undersøkelser Utveksling Tenaga listrik  
 Penelitian Bertukar Электроэнергия Исследовать Обмен  
 Energia elektryczna Badania Wymieniać się Điện Nghiên  
 cứu Đổi Elkraft Forskning Utbyta Elektrisk strøm Elektrisk  
 strøm Electric current Electric Power Electric  
 Power Forskning Udveksling لدابت ةس اردلا ةيئ اب ره كل ا ةق اطل  
 전력  
 교류 교환 電力 研究 交換 Electric power Research exchange  
 Energie électrique Recherche Échanger 電力 研究 交  
 trická energie Výzkum Výměna Kuryente Panana  
 Elektrische energie Onderzoek Uitwisseling F  
 Investigar Intercambio Energia elétrica P  
 Elektriese krag Navorsing Ruil Ener  
 Elektrische Energie Forsch  
 idikan De

# IERE

Electric Power  
 Technology Platform



**Our Partners**



Contact to: IERE Central Office  
 2-11-1 Iwadokita, Komae-shi, Tokyo 201-8511, Japan  
 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

# IE RE

Non-profit,  
Unique,  
Global platform

Exchange research information

Develop new strategies



## 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.



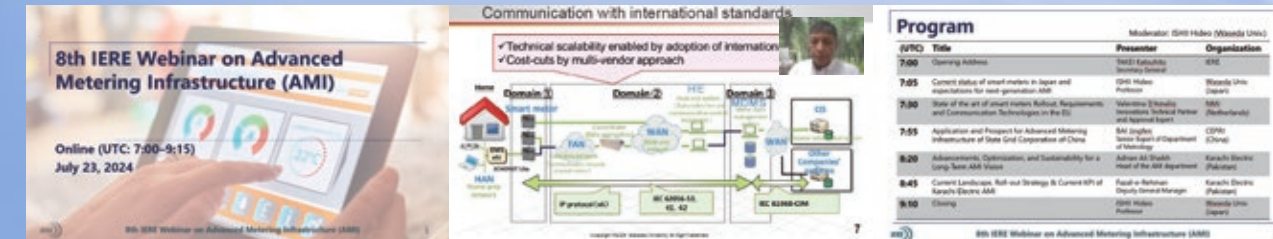
# Workshops

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.



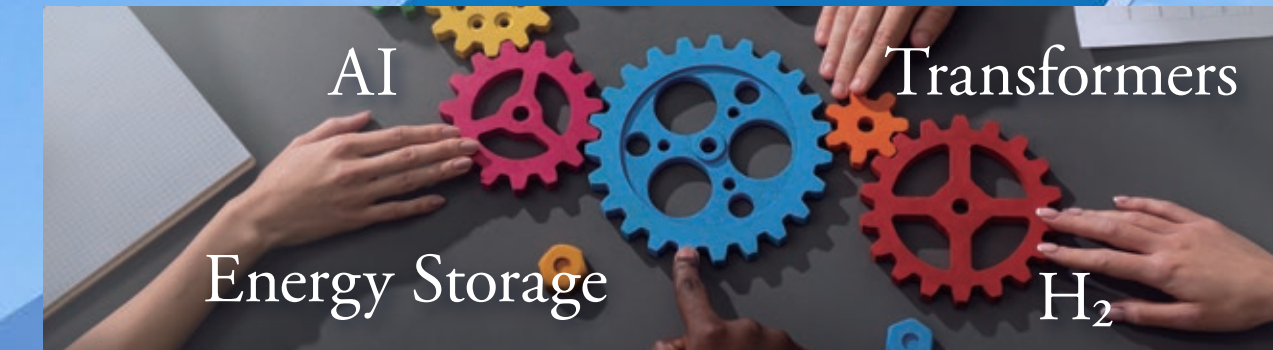
# Technology Foresight

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

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

### 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
- NATURGY, Spain
- 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   |
|------|----------------------|---|
| 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   |
| 2010 | Rome, Italy          | Carbon Capture & Storage, Concentrated Solar Power, Electric Vehicles, IT-Integration                               |

 More information from 2002 to 2009 on our website

## Webinars

| Year | Month    | Theme  |
|------|----------|--|
| 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