



Middle East  
Energy Dubai

7 - 9 April 2025 | Dubai World Trade Centre, UAE

# Conferences Brochure

**Unlocking the Global Innovation  
and Investment Ecosystem**

Organised by



**informa**markets

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# Introduction

The global electricity sector is experiencing profound changes driven by technological advancements, regulatory reforms, and growing demands for sustainability. These innovations are enhancing the integration of renewable energy sources, optimising energy consumption patterns, and strengthening the overall system resilience against disruptions.

**The Middle East Energy Conferences in Dubai is a pivotal gathering for global energy leaders and innovators to explore crucial themes shaping the future of the energy sector. This dynamic platform focuses on transforming financial and investment strategies, leveraging technological innovations and digitalisation, and nurturing future regional and global partnerships.**

Now in its 49<sup>th</sup> edition, the Middle East Energy Conferences will highlight strategic programs and initiatives aimed at advancing power projects across the region and beyond, addressing the evolving energy demands of the future.

## The conferences include:

- **Global Innovation Forum** **NEW**

This exciting new feature at Middle East Energy is designed to drive technological advancements and economic growth by connecting pre-qualified investors, innovators that are ready to internationalise, and corporate mentors who are at the forefront of driving the energy and utilities sector forward, from innovation hubs around the world.

- **Middle East Energy Leadership Summit**

The summit will focus on the most significant opportunities and solutions within the electricity sector regionally and globally, addressing key themes such as power markets, economic growth and grid resilience.

- **Africa Business Leaders Forum** **NEW**

Explore collaborative initiatives between Middle Eastern and African nations. The forum will focus on mobilising capital, empowering local communities, and developing innovative financial mechanisms to accelerate energy development and achieve universal access.

- **Institute of Electrical and Electronics Engineers (IEEE) Technical Sessions** **NEW**

The 49<sup>th</sup> edition of Middle East Energy Conferences in collaboration with IEEE PELS and PES, invites researchers, academics, practitioners and innovators from around the globe to submit their innovative research and engage with the industry.

- **Technical Seminar & IEEE Poster Programme** **NEW**

A dynamic platform showcasing the latest breakthroughs and transformative solutions reshaping the power sector.

- **The Battery Show & Conference** **NEW**

With three days of unparalleled industry immersion, the event will help engineers, R&D teams, product developers, and executives network, explore innovations, and stay ahead of the competition.

- **Intersolar & ees Middle East Conference**

Guiding professionals through the energy transition by provide insights into the transformative dynamics of renewable energies.





## Schedule at a glance

DWTC	Day 1	Day 2	Day 3
Al Multaqa Ballroom	Middle East Energy Leadership Summit	Global Innovation Forum and Networking Reception	Africa Business Leaders Forum
Trade Center Arena	Technical Seminar and Poster Programme		
Hall 8	Intersolar and ees Middle East Conference		
Zabeel Hall 2	The Battery Show & Conference		

*Global Innovation Virtual Programme will run from Jan to April 2025*

*IEEE Technical Sessions will feature in multiple tracks*

# Key themes at the Middle East Energy conferences

The Middle East Energy Conferences commit to deliver exclusive market intelligence and insights into the global trends shaping the utilities sector. This platform empowers business leaders to detect key opportunities within global power markets, facilitating informed decision-making and strategic planning for the future.



## Revolutionising Financial and Investment Strategies

Innovative financial and investment strategies are critical to driving growth, transition and sustainability. Energy leaders will explore the pioneering approaches reshaping how energy projects are funded and managed.



## Navigating Excellence in Operation and Maintenance

Illuminate innovative approaches that optimise energy infrastructure, ensuring peak performance and set new standards in energy leadership through proactive maintenance and operational agility.



## Technological Innovations and Digitalisation

Technological innovations and digitalisation are at the forefront of the increasing demand for efficiency and sustainability in the energy sector. Delve into the cutting-edge technologies and digital strategies transforming energy production, distribution, and consumption in the Middle East and beyond.



## Driving Sustainable Energy Practices and Efficiency

Uncover groundbreaking visions, technologies, and policies that harmonise energy efficiency with economic vitality and balance innovation with sustainability for a more efficient energy landscape.



## Future Regional and Global Partnerships

Highlight the importance of fostering collaborative efforts and partnerships across borders and discover the evolving alliances and partnerships that are shaping the future of energy development and sustainability on regional and global scales.



## Energising Economic Growth and Job Creation

Discover how green energy is not just a path to environmental sustainability, but also a powerful engine for economic growth and job creation and delve into the economic benefits and employment potential unleashed by sustainable energy initiatives.



## Empowering Entrepreneurship in the Energy Sector

Unlock the potential of entrepreneurship in revolutionising the energy sector, fostering economic growth, and paving the way towards a greener tomorrow.



## Enhancing Grid Resilience and Cybersecurity

Enhancing reliability, efficiency, and sustainability in energy grids ensures that they can withstand challenges ranging from extreme weather events to cyber threats. Explore innovative plans and technologies that boost grid resilience, protecting critical energy infrastructure and pave the way for sustainable energy landscapes.



## Local Content Development

Prioritise local resources, workforce, and enterprises to ensure that the benefits of energy projects extend beyond the immediate operational outputs and significantly contribute to the social and economic fabric of local communities.



## Promote Local Employment

Focus on training and development programs to enhance local skills and competencies.

# Who will attend?



**Global Utility Companies, Government and Regulatory Authorities:** To gain strategic intelligence from around the world that is driving transformation in the electricity sector.



**Investors and Off-takers:** To explore investment opportunities in projects and infrastructure development.

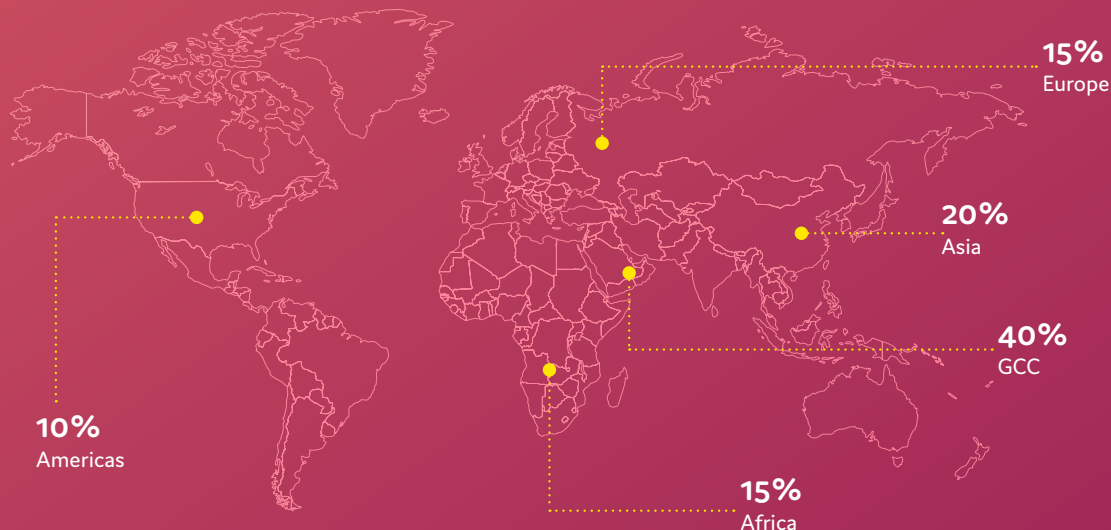


**Contractors and Project Owners:** Assess emerging global trends, technologies and solutions and their feasibility for project implementation.



**OEMs, Innovators, Distributors and Manufacturers:** Demonstrate thought leadership, showcase innovative products and solutions and explore potential partnerships with decision makers under one roof.

## Breakdown by region - Live visitors



### The Leadership Summit Conference Sponsors

#### GOLD CONFERENCE SPONSORS



#### SILVER CONFERENCE SPONSORS



#### DIGITAL TRANSFORMATION SPONSOR



### Intersolar Sponsors

#### SILVER CONFERENCE SPONSORS







# Global Innovation Forum

**Virtual Programme:** 15 January – 28 February 2025

**In-Person Programme:** 8 April 2025

## Overview

Investing in startups has grown significantly globally in the last few years, considering the rapid growth in digital transformation after the pandemic. This growth is reflected on the energy sector, focusing on developing innovative solutions that enhances power generation and transmission. The Global Innovation Forum at Middle East Energy is positioned to draw-in a strong network of ecosystem players which is industry-centric and technically aligned to drive impact.

## Key topics

- Empowering business leaders to access key opportunities within global power markets.
- Facilitating informed decision-making.
- Promoting strategic planning and deal flow.
- Showcasing innovative solutions in the energy and utilities sector.

## Benefits of attending

- Explore collaboration and funding opportunities with leading innovators and investors.
- Acquire knowledge of the latest innovations in the energy sector.
- Access valuable insights on financial strategies to scale your startup.

## Who will attend?

- Senior Innovation and Strategy Officers
- Business Founders
- Investors
- Senior Government Officials



# Global Innovation Forum

**Virtual Programme:** 15 January – 28 February 2025

**In-Person Programme:** 8 April 2025

## Founders Eligibility:

- Have a product or service that generates revenue.
- Operate within the energy sector, focusing on innovative or tech solutions.
- Growth-stage startup founders (seed stage series A-D).
- Exit-stage startup founders (seeking international expansion).

## Mentors Eligibility:

- Must have a focus area within the energy and utility sector.
- Experience in supporting startups or scaleups.
- Knowledge on investment and fundraising strategies.
- Experience with corporate ventures, asset management, or government roles.

## Apply to the Programme:

- Register your interest as a [founder here](#).
- Register your interest as a [mentor here](#).

## Sectors or focus areas:

- AI and IoT
- Robotics and Automation
- Energy Efficiency
- Renewable Energy
- Power Transmission and Distribution
- Batteries and eMobility



# Global Innovation Forum

## Agenda

**Virtual Programme:** 15 January – 28 February 2025

**In-Person Programme:** 8 April 2025

### **Virtual Programme:** 15 January – 28 February 2025

<b>Week 1:</b> 15 – 17 January 2025	<b>Module 1:</b> International growth strategies for energy companies
<b>Week 2:</b> 20 – 23 January 2025	<b>Module 2:</b> Sales and distribution for energy products
<b>Week 3:</b> 27 – 30 January 2025	<b>Module 3:</b> Technical considerations for energy companies
<b>Week 4:</b> 3 – 6 February 2025	<b>Module 4:</b> Investment and financing
<b>Week 5:</b> 10 – 13 February 2025	<b>Module 5:</b> Leadership development for energy executives
<b>Week 6:</b> 17 – 20 February 2025	<b>Module 6:</b> Marketing and branding in the energy sector
<b>Week 7:</b> 24 – 27 February 2025	<b>Module 7:</b> Legal and ethical considerations

### **In-Person Programme:** 8 April 2025 | Al Multaqa Ballroom, Dubai World Trade Centre, UAE

<b>12:50</b>	<b>Innovation for next generation utilities</b>
<b>13:10</b>	<b>People, capacity building and glocalisation - the backbone for future infrastructure and economic growth</b>
<b>13:30</b>	<b>The Reverse Pitch: Meet investors and find out who they are looking to invest in</b>
<b>14:30</b>	<b>PANEL DISCUSSION: The secrets to successful business - How do investors and Chief Innovation Officers vet scale-ups?</b>
<b>15:30</b>	<b>Scale-up Showcases: The top 10 global innovators in energy</b>
<b>16:30</b>	<b>Summary and closing remarks</b>
<b>16:35</b>	<b>Investor-Innovator networking reception <i>by invitation only</i>*</b>



# Middle East Energy Leadership Summit

7-8 April 2025

## Overview

The Leadership summit at Middle East Energy is a critical gathering for executives seeking to stay ahead in a rapidly evolving energy landscape, offering valuable knowledge and networking opportunities to drive progress and success in the power sector.

The summit will focus on the most significant opportunities and solutions within the electricity sector regionally and globally, addressing key themes such as power markets, economic growth and grid resilience. Attendees will gain comprehensive insights into the latest industry trends, presented by renowned leaders and innovators from various sectors. Discussions will delve into strategic approaches for ensuring robust energy generation to meet future demands, as well as innovative methods for supporting sustainable energy practices.

## Key topics

- The impact of international agreements and collaborations on regional energy policies.
- Improve grid resilience by utilising emerging technologies and energy storage solutions.
- Innovative financing models and strategies for attracting private sector investment in renewable energy projects.
- Strategies for enhancing operational efficiency and best practices in energy infrastructure maintenance.
- Fostering opportunities for startups and optimizing local content strategies in energy projects.

## Benefits of attending

- Expand your professional network and gain exposure to regional leaders.
- Acquire knowledge on integrated approaches within the industry.
- Develop effective financial strategies to enhance business outcomes.
- Gain insights into global perspectives shaping the energy sector.
- Access valuable insights for refining and executing strategic plans.

# Middle East Energy Leadership Summit

7-8 April 2025



## Who will attend

- CEOs
- VPs of Strategy
- Executive Vice Presidents
- Presidents
- Managing Directors
- Project Director/ Managers
- General Managers
- Chief Technology Managers
- Chief Transformation Officers
- Chief Investment officers
- Consultants
- Department Heads
- Chairmen
- Account directors
- Senior Analysts
- Board Members
- Energy Attachés
- Senior Government Officials

## From

- Regulators and Authorities
- Utility companies: Power Generation
- Utility companies: Power Transmission
- Utility companies: Power Distribution
- EPCs and Engineering Services
- IPPs
- Finance and Insurance Bodies
- Technology Services



# Middle East Energy Leadership Summit

7-8 April 2025



## Confirmed Speakers Include

- **H.E. Dr. Nasser Saidi**, Chairman, **Clean Energy Business Council MENA**
- **Ahmed Bahei-Eldin**, Managing Director, Financial Services & Commercial Leader EMEA, **GE Vernova Financial Services**
- **Basil Al Mabrok**, Product Line Manager - Medium Voltage Sector, **Alfanar Electrical Systems**
- **Catalina Valentino**, Group CEO, **ELIXR**
- **Faisal Rashid**, Senior Director - Demand Side Management, **Supreme Council of Energy, UAE**
- **Eng. Gaber Desouky Mostafa Ibrahim**, Chairman, **Egyptian Electricity Holding Company**
- **John Cronin**, Executive Chairman, **CyanConnode Limited, UK**
- **Dr. Jonathan Doerr**, Managing Partner – MENAP, **Antler**
- **Lola Fernandez**, Principal, **VentureSouq**
- **Madhusudan Charkrapani**, Chief Technology Officer, **REConnect Energy**
- **Michele Giddens**, Co-CEO, **Bridges Fund Management**
- **Mike Ballard**, Vice President of Industry Strategy and Innovation, **Oracle Energy and Water**
- **Nauman Afsar**, Regional Vice President, MEA Sales, **Oracle Energy and Water**
- **Neeraj Gandhi**, Senior Vice President, Product Development (mSMEs), **Emirates Development Bank**
- **Robert Willock**, Director MENA & Regional General Manager, **The Economist Intelligence Corporate Network**
- **Stephan Heller**, Founding Partner, **AlphaQ Venture Capital**
- **Steve Lemoine**, Chief Executive Officer – Middle East, **Dalkia, EDF**
- **Dr. Susan Amat**, Chief Executive Officer, **Venture Hive**
- **Vishal Pandya**, Managing Director, **REConnect Energy**
- **Waseem Ashraf Qureshi**, Inventor, CEO and Chief Technology Officer, **Enercap Holdings**
- **Yasin Kasirga**, Decarbonization Leader, **GE Vernova**

# Middle East Energy Leadership Summit

## Agenda

### Day One

Monday, 07 April 2025



**10:30** Opening ceremony

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**10:40** Welcome address

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**10:50** Keynote: Hydrogen infrastructure: Ambitions to reality

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**11:00** Leadership Panel: Propelling industrial and technological sector growth

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**12:00** In Conversation: Organisational transformation to accelerate innovation in utilities  
*(session in Arabic)*

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**12:30** In Conversation: Innovation that the world needs for future-ready power grids

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**13:00** Successful energy Demand Side Management strategies

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**13:30** Panel: Revolutionising the future of manufacturing  
*Panel led by UAE Ministry of Industry and Advanced Technology*

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**14:30** Customer centric energy systems

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**14:50** Decarbonising today's energy systems while building the future

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**15:10** How smart metering enables the Energy, Environment & Sustainability nexus

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**15:30** The latest technology to enable the integration of diverse energy resources

---

# Middle East Energy Leadership Summit

## Agenda - continued

### Day One

Monday, 07 April 2025



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**15:50** Striking a balance with SF6-Free technologies for the energy transition

---

**16:10** The latest innovations in energy storage systems for grid and microgrid applications

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**16:30** Speaker Q&A

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**16:40** Closing keynote address

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**17:00** Deep Dive Market Intelligence Session: A macro-economic and geopolitical view to navigate global volatility

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**18:00** Networking Reception: Conference sponsors, guests and speakers

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**19:00** End of day one

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# Middle East Energy Leadership Summit

## Agenda

### Day Two

Tuesday, 8 April 2025



**10:10** Welcome remarks

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**10:20** How smart meters and data-driven insights are revolutionising the way utilities and consumers monitor, control, and optimise their energy usage

---

**10:40** How AI will enable a sustainable and affordable energy future

---

**11:00** Solar financing program to SMEs, startups, and large corporates in the UAE

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**11:20** The role of financing in the Middle East's energy transition

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**11:40** Unlocking the potential of project finance and private sector investment into the energy sector

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**12:00** Q&A

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**12:20** End of conference

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# Africa Business Leaders Forum

9 April 2025



## THEME: Powering Africa: Investing in Energy for Sustainable Growth and Prosperity

### Overview

Africa stands at a pivotal moment in its development, with the energy sector playing a crucial role in unlocking its vast economic potential and ensuring a prosperous future for its people. This high-level forum brings together African leaders, investors, financiers, and industry experts to explore collaborative initiatives between Middle Eastern and African nations.

The forum will focus on mobilising capital, empowering local communities, and developing innovative financial mechanisms to accelerate energy development and achieve universal access. It will showcase successful projects, foster partnerships, and formulate actionable strategies to overcome challenges and unlock Africa's economic potential.

### Key topics

- Universal electrification in Africa
- Investment through innovative financing and partnerships
- Creating an enabling environment for investment
- Local capacity building and entrepreneurship
- Building the capacity of electricity regulators and market institutions to effectively manage the single electricity market

### Benefits of attending

- Develop customised electrification strategies that leverage grid extension, mini-grids, and off-grid solutions to effectively reach and connect diverse communities across Africa.
- Examine innovative financing mechanisms and understand how public-private partnerships can leverage resources and expertise for large-scale energy projects
- Understand incentives and policies that encourage investment and identify best practices for ensuring a transparent and predictable business environment
- Explore how to develop skills and provide resources to local communities, support the growth of local businesses in the energy sector, and create sustainable, community-led energy solutions
- Monitor and enforce market rules and understand the impact of a well-functioning electricity market on energy access and affordability.



# Africa Business Leaders Forum

9 April 2025

## Who will attend

- CEOs
- VPs of Strategy
- Executive Vice Presidents
- Presidents
- Managing Directors
- Project Director/ Managers
- General Managers
- Chief Technology Managers
- Chief Transformation Officers
- Chief Investment officers
- Consultants
- Department Heads
- Chairmen
- Account directors
- Senior Analysts
- Board Members
- Energy Attachés
- Senior Government Officials

## Partners Engaged in Power Projects in Africa from

- Regulators and Authorities
- Utility companies: Power Generation
- Utility companies: Power Transmission
- Utility companies: Power Distribution
- EPCs and Engineering Services
- IPPs
- Finance and Insurance Bodies
- Technology Services





# Africa Business Leaders Forum

## Agenda

### Day One

Wednesday, 9 April 2025

**10:45 Opening ceremony**

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**11:00 Welcome address**

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**11:15 MINISTERIAL PANEL: Government strategies for electrification in Africa**

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**12:15 Managing risks in power infrastructure projects across Africa**

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**12:45 PANEL DISCUSSION: Unlocking investment through innovative financing and partnerships in Africa**

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**13:30 FIRESIDE CHAT: Empowering Africa through local capacity building and innovation**

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**14:00 EXECUTIVE LEADERSHIP CHAT: Investing in expertise: Strengthening regulatory and market capacity for effective single electricity market management**

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**15:00 Closing Remarks and Networking Reception**

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# Institute of Electrical and Electronics Engineers (IEEE) Technical Sessions

7 – 9 April 2025


## Overview

As part of our commitment to accelerate innovation and technology applications in the power and utilities sector, and increasing the interaction between academia and industry, we are pleased to establish Technical Sessions to be held in partnership with the Institute of Electrical and Electronics Engineers – IEEE UAE Section.

Researchers, academics, practitioners and innovators from around the globe will engage in discussions on the future of energy under the theme of 'Energising Innovation to Shape Tomorrow'. Explore edge-of-the-grid innovations on the latest technologies and studies in the field of energy, including smart grids, clean renewable energy, energy storage systems, e-mobility and batteries.

## IEEE Sessions Schedule at a Glance

DWTC	07-Apr	08-Apr	09-Apr
11:00	Poster programme	Poster programme	Poster programme
11:30			
12:00			
12:30			
13:00	The Battery Show & Conference	The Battery Show & Conference	
13:30			
14:00			
14:30			
15:00	Technical Seminar	Technical Seminar	Intersolar and ees Middle East
15:30			
16:00			
16:30			
17:00	End of day	End of day	End of programme



# Institute of Electrical and Electronics Engineers (IEEE) Technical Sessions

7 – 9 April 2025

## Technical Committee

- **Dr. Tarek El-Fouly**, Chair, Power and Energy Society (PES) – UAE Section, **IEEE**, Associate Professor, **Khalifa University (Committee Co-chair)**
- **Dr. Yasmin Halawani**, Chair Solid-State Circuits Society (SSCS) and Power Electronics Society (PELS) – UAE Section, **IEEE**, Assistant Professor, **University of Dubai (Committee Co-chair)**
- **Prof. Mostafa Shaaban**, Vice Chair, Power and Energy Society (PES) – UAE Section, **IEEE**, Associate Professor, Interim Head, Department of Electrical Engineering, Director, Energy, Water and Sustainable Environment Research Center, **American University of Sharjah**
- **Dr. Diana Dawoud**, Chair Communications Society (ComSoc) and Signal Processing Society (SPS) – UAE Section, Vice Chair, Women in Engineering (WIE) - UAE Section, **IEEE**, Assistant Professor, **University of Dubai**
- **Prof. Abdul Ghani Olabi**, Director of Sustainable Energy and Power Systems Research Centre, **University of Sharjah**
- **Dr. Zafar Said**, World's Top 2% Scientists 2019 - Present in the Field of Energy, Associate Professor at the Department of Sustainable Renewable Energy Engineering, **University of Sharjah**
- **Dr. Fady Alnajjar**, Associate Professor, Head of AI and Robotics Lab, **UAE University**
- **Dr. Haris Khalid**, Assistant Professor, **University of Dubai**
- **Dr. Maisam Wahbah**, Assistant Professor, **University of Dubai**
- **Dr. Claude Fachkha**, Assistant Professor, **University of Dubai**


## Call for abstracts

- Abstracts should not exceed 6 pages, including figures, tables, and references.
- Abstracts must be written in English.
- The authors should use EDAS for submission
  - Create an account (if not already registered) on EDAS

**Submit your abstracts here**

**Abstract Submission Deadline: 31 December 2024**





# Institute of Electrical and Electronics Engineers (IEEE) Technical Sessions

7 – 9 April 2025

## IEEE Technical session topics will include

### Technical Seminar

- Power system planning and operation
- Resiliency of power grids
- Power system protection
- Power electronics converters
- Power quality and harmonics
- Electrical machines and drives
- Power engineering education
- Demand side management
- Virtual power plants
- Asset management
- Cyber security of power systems
- Data analytics in power systems
- FACTS and HVDC
- Impacts of climate changes on the energy sector
- Power system communications
- Other

### IEEE technical sessions at the Intersolar and ees Middle East

- Energy storage systems and technologies
- Multi-carrier energy systems, including hydrogen
- Microgrid planning, costs, location, design and operations
- Energy transition
- Distributed and consumer energy resources
- Talent development in renewable energy
- Renewable Energy Project development
- Blending hydrogen into the current gas infrastructure
- Renewable Energy asset management
- Battery diagnostics
- HSE and New Energy Sources
- EPC considerations for Utility-Scale Solar and Wind Energy
- Grid technologies to enable the energy transition
- Other

### IEEE Technical sessions at The Battery Show & Conference

- Energy storage systems and technologies
- Electrification of transportation
- Charging and Infrastructure
- Intelligent Systems Integration for EV advancements
- Advances in Battery Tech
- Next-Gen Materials
- Sustainability, Recycling, and End of Life Options
- Battery Safety and Thermal Management
- Production and Upscaling
- Battery Intelligence
- EV & HEV Design Innovation
- EV - Consumer Perspectives
- Other



# Technical Seminar Embracing Transformation in the Power Sector

7-9 April 2025

## Overview

The Technical Seminar is a dynamic platform showcasing the latest breakthroughs and transformative solutions reshaping the power sector. Through insightful presentations and discussions.

This seminar brings together industry leaders, innovators, and experts to explore cutting-edge technologies, pioneering projects, and energy solutions driving growth and change.

Participants will have a unique opportunity to engage with groundbreaking advancements, discover new opportunities, and forge connections to propel the industry forward.

## Key topics

- Advanced strategies for enhancing power grid resiliency.
- Innovations in power system stability, operation and control.
- The future of electricity generation with virtual power plants.
- Optimising asset management for longevity and efficiency in power systems.
- Advanced cybersecurity measures for the future power systems.
- The transformative role of data analytics in power systems management.

## Benefits of attending

- Experience how virtual power plants drive efficiency and resilience in modern energy systems.
- Gain insights about groundbreaking innovations that reinforce power grids efficiency and ensure robust resilience in critical infrastructure.
- Gaining expertise in predictive and condition-based maintenance and asset performance management.
- Learn the role of AI in identifying cyberattacks in power systems and enhancing the ability to safeguard critical infrastructure.
- Uncover the advances in data analytics in decision-making and the enhancement of the reliability and efficiency of power systems.

# Technical Seminar Embracing Transformation in the Power Sector

7-9 April 2025



## Confirmed Speakers Include

- **Ahmed Abou Elenien**, Lead – Technical Design, **Ducab**
- **Dr. Ali Amiri**, Regional Director for Building Engineering & Specialisms, **Egis Middle East & South Asia**
- **Alida Saleh**, Head of Sustainability MEA, **JLL**
- **Amani Al-Othman**, Associate Professor of Chemical and Biological Engineering, **The American University of Sharjah**
- **Ameen Hamdon**, President and Chief Executive Officer, **SUBNET Solutions Inc.**
- **Chris Rutledge**, Field Application Engineer & Subject Matter Expert, **Dynamic Ratings, Inc.**
- **Claude Fachkha**, Cyber Security Expert and Innovator, Assistant Professor, **University of Dubai**
- **Fabrizio Urciuoli**, Technical and Project Business Development Expert, **Palazzoli**
- **Eng. Faisal Rashid**, Senior Director - Demand Side Management, **Supreme Council of Energy, UAE**
- **Fayssal El Kotob**, Engineering Solutions Manager, **Jubaili Bros.**
- **Harvey Zheng**, Overseas Marketing Director, **Qingdao Yunlu Advanced Materials Technology Co., Ltd**
- **Laila AL Hadhrami**, Executive Director, **Oman Information Technology Society**
- **Mohsin Mehmood**, Regional Sales Manager for Saudi Arabia and Bahrain, **Palazzoli**
- **Omer Masud Ghani**, Chief Strategy Officer, Head of Utility and EV Storage Business, **Enercap Holdings Pte. Ltd**
- **Syed Asad Ur Rehman**, Group Head, Renewables Products & Partnerships, **Jubaili Bros.**
- **Thomas Gebauer**, CEO, **Redox One Ltd.**
- **Turki Hani Obeidat**, B.Sc. Electrical Engineering, Member of IEEE, Member of JEA, Regional Business Development Director Utilities and Renewable, **Chint Global**
- **Dr. Zafar Said**, World's Top 2% Scientists 2019-Present, Associate Professor at the Department of Sustainable Renewable Energy Engineering, **University of Sharjah**



# Technical Seminar Embracing Transformation in the Power Sector

## Agenda

### Day One

Monday, 07 April 2025



**10:35 Welcome remarks**

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**10:40 Opening remarks**  
**Committee Chairperson**

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**10:50 OPENING KEYNOTE: Driving green growth through innovation and entrepreneurship**

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**11:10 OPENING PANEL DISCUSSION: Fortifying the future: Building resilient power grids in the face of change**

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**12:00 INNOVATION SHOWCASE: Securing remote access with comprehensive OT device management**

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**12:30 INNOVATION SHOWCASE: Current rating calculations of insulated underground power cables**

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**13:00 INNOVATION SHOWCASE: Enhancing efficiency and safety with Palazzoli's smart engineering solutions**

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**13:30 INNOVATION SHOWCASE**

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**14:00 INNOVATION SHOWCASE**

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**14:30 Networking break - Meet the exhibitors**

---

**15:00 IEEE Session: Oral Abstract Presentations**

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**17:00 Summary of Day One and Closing Remarks**

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**17:10 External Technical Tours and Site Visits**

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# Technical Seminar

## Embracing Transformation in the Power Sector

### Agenda

#### Day Two

Tuesday, 08 April 2025



**10:25** Welcome remarks

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**10:30** INNOVATION SHOWCASE: Electrostatic energy storage as an alternative to electrochemical storage

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**11:00** INNOVATION SHOWCASE: Amorphous material application in distribution transformer

---

**11:30** INNOVATION SHOWCASE: Hybrid microgrids

---

**12:00** INNOVATION SHOWCASE: Smart medium voltage switchgear – Asset preservation

---

**12:30** INNOVATION SHOWCASE: The role of energy storage solution in enhancement of power system reliability, availability and efficiency

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**13:00** INNOVATION SHOWCASE: From mine to megawatt – Large scale energy storage solutions for the Middle East

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**13:30** INNOVATION SHOWCASE: Process Automation

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**14:00** INNOVATION SHOWCASE

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**14:30** Networking break - Meet the exhibitors

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**15:00** IEEE session: Oral abstract presentations

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**16:30** Keynote address: Optimizing power system planning and operation

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**16:45** In Conversation: Engineer's perspectives on burning topics in asset management

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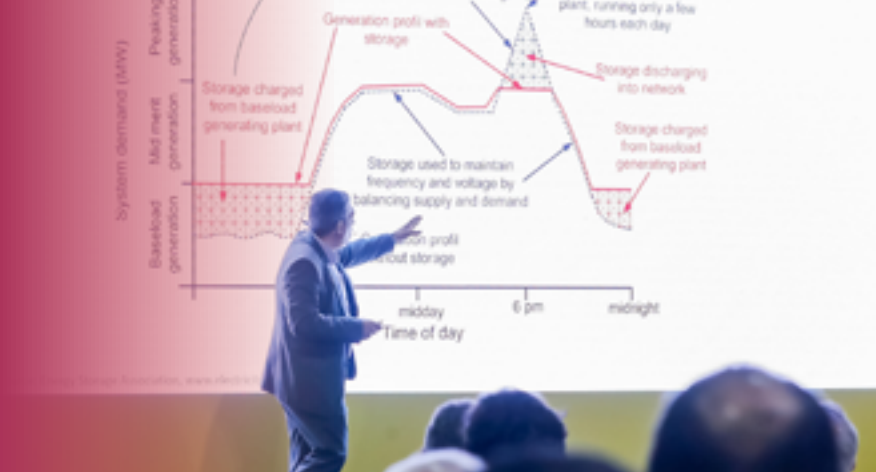
**17:15** Networking session - Meet the speakers and committee

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**17:45** End of Day 2

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Wednesday, 09 April 2025



**10:40 Welcome remarks**

**10:45 I see design in your future!**

**11:00 PANEL DISCUSSION: Pathways to sustainable buildings**

## 12:00 INNOVATION SHOWCASE

**12:30 PANEL DISCUSSION: Renewable energy integration in smart sustainable cities**

### 13:30 Harnessing AI and innovation to outsmart cyber threats

### 13:45 The role of data analytics in integrating renewable energy sources

**14:00 End of seminar**

# The Battery Show & Conference

7-9 April 2025



## Overview

The Battery Show & Conference will bring engineers and executives and top-level suppliers together for a three-day program of unparalleled industry immersion. The event will help engineers, R&D teams, product developers, and executives network, explore innovations, and stay ahead of the competition. Offering the latest solutions across the transportation, stationery, portable, and industrial sectors, The Battery Show & Conference is a must-attend event for professionals and suppliers looking to connect with them.

## Key topics

- The impact of electrification on the automotive industry
- Managing supply chain challenges in the EV and battery sectors
- Tracking advanced materials in EV manufacturing
- AI and digitisation of battery manufacturing
- Safety measures and Life-cycle analysis of batteries
- Exploring alternative battery technologies

## Benefits of attending

- Learn about the latest advancements from researchers and experts in EV and battery technologies
- Explore recent developments in EV infrastructure and superchargers
- Discover investment opportunities associated with the growth of the EV market
- Gain insights into the requirements of EV supply chains
- Evaluate the safety measures required for battery systems management
- Acquire essential knowledge on EVs as a new user

# The Battery Show & Conference

## Agenda

### Day One

Monday, 07 April 2025



**11:00** Welcome remarks by the Master of Ceremonies

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**11:05** KEYNOTE: UAE's Global EV market initiative – Accelerating EV infrastructure growth

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**11:30** OPENING PANEL: Global trends and prospects in the automotive landscape

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**12:30** CASE STUDY: Advancements in Dubai's EV charging stations infrastructure

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**13:00** IEEE innovation showcase session

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**14:30** PANEL: The roadmap to electrification

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**15:30** Global EV market dynamics – what's on the horizon?

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**15:50** IN CONVERSATION: The intersection of smart cities and smart EV Infrastructure development

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**16:20** PANEL: Overcoming supply chain challenges for EV parts and batteries

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**17:00** Networking session

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**17:30** Summary and closing remarks

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# The Battery Show & Conference

## Agenda

### Day Two

Tuesday, 8 April 2025



**10:00** Welcome remarks by the Master of Ceremonies

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**10:05** KEYNOTE: UAE's strategic path to becoming a regional manufacturing powerhouse

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**10:30** PANEL: The evolution of battery manufacturing

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**11:20** INNOVATION SHOWCASE: Advanced materials revolutionising the future of battery manufacturing

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**11:40** INNOVATION SHOWCASE: AI-Powered battery management systems: Elevating safety, performance, and sustainability

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**12:00** INNOVATION SHOWCASE: Integrating IoT and AI for Next-Gen EV manufacturing

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**12:30** Networking break

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**13:00** IEEE innovation showcase session

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**14:30** PANEL: Why MENA? – forecasting the future of EV and battery market in the region

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**15:30** INNOVATION SHOWCASE: Digitising battery production: achieving sustainable and cost-efficient lifecycle management

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**15:50** FUTURE OUTLOOK: How cost reductions will shape the battery market

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**16:10** INNOVATION SHOWCASE: Can EV batteries be recycled efficiently?

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**16:30** IN CONVERSATION: Navigating the rise in battery demand amidst rapid EV market growth

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**17:00** Networking session

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**17:30** Summary and closing remarks

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# The Battery Show & Conference

## Agenda

### Day Three

Wednesday, 9 April 2025



**10:00** Welcome remarks by the Master of Ceremonies

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**10:05** PANEL: Future trends in EV supercharging

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**11:00** IN CONVERSATION: Trends and future prospects for Hydrogen EVs

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**11:30** INNOVATION SHOWCASE: Integrating renewable energy systems with EV charging networks

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**12:00** INNOVATION SHOWCASE: Thermal management systems for high-performance EV batteries

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**12:30** INNOVATION SHOWCASE: Exploring practical applications of Sodium-ion batteries: Benefits, challenges, and future expectations

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**13:00** MINI-WORKSHOP: Safety protocols and standards for high-voltage battery systems

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**14:00** Summary and closing remarks

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## Intersolar & ees Middle East Conference

Join us on the way to MENA's bright energy future! Take advantage of MENA's solar rise!

Are you ready for entering the dynamic and promising MENA markets? The Middle East starts to turn green and solar as well as energy storage solutions are gaining strong momentum. Intersolar/ees Middle East, as part of Middle East Energy, will enable solar and energy professionals forming valuable business relationships and network with decision makers in the region.

As a leading platform for manufacturers, suppliers, wholesalers, service providers and partners for the solar industry, Intersolar is more than a mere showcase of goods and services — this is where to meet multipliers, tap into expertise and network. It is about big business. With more than 30 years of experience, Intersolar has the unique ability to bring together members of the energy industry from across the world's most influential markets and supply chains. Intersolar reflects the synergies and interaction between photovoltaics, PV production technologies, energy storage and solar thermal technologies on the highest level of expertise.

### Key topics:



Photovoltaics



Energy Storage & Battery



Solar thermal



Technologies

# Intersolar & ees Middle East Conference

## Agenda

### Day One

Monday, 7 April 2025



**10:30** Opening speech with MENA PV market outlook

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**11:15** Utility-scale Solar Power I: Trends in development, EPC and asset management

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**13:30** Utility-scale solar power II: Digitalisation in PV power plants - Enhancing O&M through digital twinning, data and process integration

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**15:15** Manufacturing renewable energy products/ Advanced technology development

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**17:00** Panel: Talent development: Transitioning human capital from oil & gas to renewables

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**18:00** End of conference day one

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# Intersolar & ees Middle East Conference

## Agenda

### Day Two

Tuesday, 8 April 2025



**10:30 Hybrid PV power plants I: Providing flexible generation for the energy system**

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**12:15 Hybrid PV power plants II: Business models for 24/7 renewable power plant supply**

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**14:15 Integrated PV: AgriPV, BIPV, VIPV, floating**

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**16:00 Solar lighting**

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**17:30 End of conference day two**

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# Intersolar & ees Middle East Conference

## Agenda

### Day Three

Wednesday, 9 April 2025



**10:30** Long-duration energy storage - What's holding it back, when will it break through?

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**11:45** Large, grid-scale storage for more supply- and demand-flexibility

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**13:45** Hydrogen: Markets & technology

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**15:30** IEEE session

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**17:00** End of conference

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