

# **Global Energy Internet at the Two Sessions**



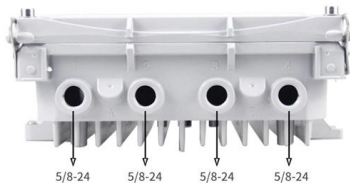


## Global Energy Internet at the Two Sessions

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### Global Energy Interconnection Conference 2025 in

Discussions will showcase technologies, standards, and management practices that support the construction of new power systems and the green transformation of



### A comprehensive review of Energy Internet: basic concept

Abstract With the intensifying energy crisis and environmental pollution, the Energy Internet and corresponding patterns of energy use have been attracting more and more attention. In this paper,



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### The division of developmental stages of the global energy Internet

The development of the global energy Internet can promote the effective allocation of resources. The division of the developmental stage of regional and national cross-border energy transactions will



### IEEE EI<sup>2</sup> 2024

The 8th IEEE Conference on Energy Internet and Energy System Integration (IEEE EI<sup>2</sup> 2024), organized by IEEE Power and Energy Society, Chinese Society for Electrical Engineering, Shenyang University



### Global Energy Internet Green and Low-Carbon Energy Economic

With the complication of energy structure and increment of energy consumption, the convention energy system can no longer fit the situation. The Energy Internet (EI) is proposed to



### The Energy Internet

Integrating renewable energy with Internet connectivity can help to sustain economic development and reduce poverty without fueling a climate catastrophe.





## IEE<sup>2</sup> 2025 , The 9th IEEE Conference on Energy Internet and Energy

The 9th IEEE Conference on Energy Internet and Energy System Integration (IEEE EIE<sup>2</sup> 2025), organized by IEEE Power and Energy Society, Chinese Society for Electrical Engineering, Northeast Electric



### Special Sessions - 2023 IEEE Conference on Energy Internet and Energy

Call for Special Sessions Proposals for special sessions are welcome, please contact Prof Jiajia Yang, before Sept 1, 2023, at [jiajia.yang@jcu](mailto:jiajia.yang@jcu) . A special session proposal should include the

### 2024 IEEE Conference on Energy Internet and Energy System

It aims to integrate multiple energy sources, such as electricity, gas, heating, cooling and transport, to shape a green, low-carbon, smart and efficient ecosystem.



### IEEE EIE<sup>2</sup> 2024 , 2024 The 8th IEEE Conference on Energy Internet

The 8th IEEE Conference on Energy Internet and Energy System Integration (IEEE EIE<sup>2</sup> 2024), organized by IEEE Power and Energy Society, Chinese Society for Electrical Engineering, Shenyang University



## The 2025 Global Energy Internet Conference is held

Han Zheng stated that in September 2015, President Xi Jinping delivered an important speech at the United Nations Development Summit, proposing the construction of a global energy internet to meet

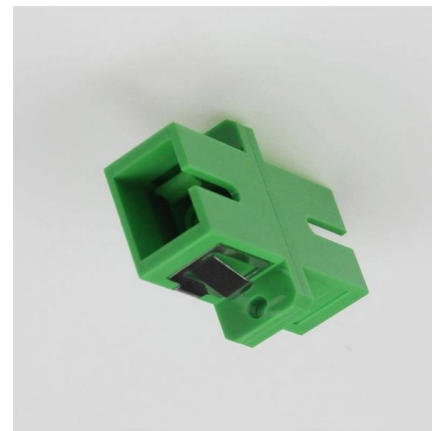


## What China's 'Two Sessions' mean for the climate and

China's biggest political event of the year, the 'Two Sessions', highlighted the need to enhance energy security - a new priority that will come at

## Delegates and members discussed the construction of global energy

At this year's two sessions, jointly promoting the construction of a global energy internet became one of the hot topics of concern to representatives and members.



## 2025 Global Energy Internet Conference Held in Beijing

On September 9, the 2025 Global Energy Internet Conference was held in Beijing, with Vice President Han Zheng delivering a keynote speech.



### Global Energy Interconnection: an innovative solution for

Against the background of energy consumption transformation and climate governance, Global Energy Interconnection (GEI), which features an innovative combination of advanced



### Special Sessions - 2024 IEEE Conference on Energy Internet and Energy

Special Session List 1. Emerging AI-Powered Innovations for Next-Generation Smart Grids  
Chair: Prof. Zhao Xu, The Hong Kong Polytechnic University, Hong Kong, China Dr. Jiaqi Ruan, The Hong Kong

### 2026 IEEE Conference on Energy Internet and Energy System

EI<sup>2</sup> 2026 focuses on innovative technologies and practical applications in the fields of Energy Internet and Energy System Integration (ESI), aiming at the integration of multiple energy sources such as



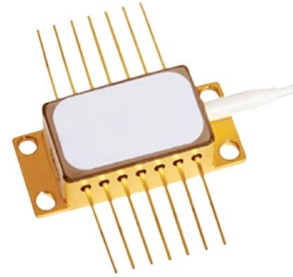
### IEEE EI<sup>2</sup> 2024-2024 The 8th IEEE Conference on Energy Internet and

The theme of the conference is "Towards Green and Intelligent Energy Internet", which will focus on innovative technologies and practical applications in the fields of Energy Internet and Energy System



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### **A review of the global energy internet and the suggestions to China**

Energy internet projects can participate in demand response, distributed renewable energy resources, and "source-grid-load-storage". Some developed countries, such as the United States, Denmark, and

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Expect real-world case studies, dynamic panels, peer-to-peer strategy sessions, and candid discussions that reveal what's shaping energy's future. Measure your



**EFFICIENT FIELD TERMINATION**



1. **PREPARE** - Strip and clean the fiber



2. **INSERT** - Fast and easy insertion



3. **LOCK** - Secure connection achieved

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Eliminates cable excess length and pigtail splice storage. Designed for high-efficiency onsite installation.

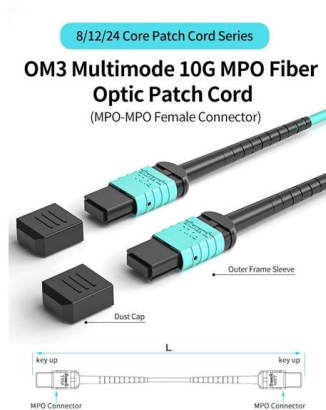
### **Global Energy Internet and Interconnection**

New IEEE Smart Grid Academy course on Distribution Automation available on ILN: [https://bit.ly/IEEEESG\\_DA\\_ILN](https://bit.ly/IEEEESG_DA_ILN) Academy New IAEA technical report on nuclear-renewable hybrid



## Data centres & networks

Since 2010, the number of internet users worldwide has more than doubled, while global internet traffic has expanded 25-fold. Rapid improvements



## 2024 IEEE PES Conference on Energy Internet & Energy System

The IEEE International Conference on Energy Internet and Energy System Integration has been successfully held for seven times so far in Beijing, Changsha, Wuhan, Taiyuan, Chengdu, Hangzhou,

## A comprehensive review of Energy Internet: basic concept

With the intensifying energy crisis and environmental pollution, the Energy Internet and corresponding patterns of energy use have been attracting more and more attention. In this paper,



## Sessions & Tracks

Sessions and Tracks at ENERGY2026: Explore focused research on Fossils, Renewables, and sustainable global energy development in November 2026.



## 2025 China Energy Internet Conference Wraps Up in

2025 China Energy Internet Conference wrapped up in Hangzhou, China, on June 21. The two-day event, organized by Tsinghua University, brought



## Energy Internet: A Novel Green Roadmap for Meeting the Global Energy

Energy Internet has caught an attention of the global academic community, and it is being implemented actively. This paper describes the basic features and the key structure of Energy Internet, proposes a

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