

## IEEE Power and Energy Society Entity Annual Report

2025

**Entity:** IEEE PES China PSIM (Power System Instrumentation and Measurements)  
**Website:** <https://ieeepes.org/cc/pes>  
**Chair:** Qi Huang  
**Vice-Chair:** Ping Huang Xiaoming Cha  
**Secretary:** Yongbo Yang  
**Immediate Past Chair:**

### 1. Significant Accomplishments:

- Completed the expansion and optimization of sub - committees, expanding from the original 5 to 8, and steadily advancing the preparation for the 9th sub - committee.
- Successfully established the Quantum Electronics Sub - committee, recruited 170 members, and built a professional technical exchange platform.
- Launched the pre - establishment process of the Leakage Monitoring Sub - committee to improve the organizational structure in the segmented field.
- Smoothly completed the general election of the Distribution Network Sub - committee to ensure the efficient operation of the committee.
- Advanced the formulation of the VFTO standard and clarified the plan to participate in the January 2025 1894 Working Group Meeting.
- Conducted special training for secretaries - general, covering core modules such as work content, work mode, responsibilities and positioning.
- Continuously maintained the information of the Technical Committee on the PES China website to ensure real - time information update.
- Planned the agenda of the 2025 Annual Conference, which is initially scheduled to be held from the end of January to the beginning of February.

### 2. Benefits to Industry and PES Members from the Committee Work:

- The expansion of sub - committees and the establishment of new ones provide more segmented technical exchange scenarios for the industry, facilitating the technology implementation in emerging fields such as quantum electronics and leakage monitoring.
- The promotion of the VFTO standard and participation in the Working Group Meeting drive the construction of industry technical standardization and provide member units with a voice in standard - setting.

- The Annual Conference builds a high - end industry exchange platform, promotes the connection of industry - university - research resources, and helps PES members obtain cutting - edge technical trends and cooperation opportunities.
- The training of secretaries - general and real - time maintenance of website information improve the service efficiency of the committee and provide members with more standardized and timely support.

### **3. Benefits to Volunteer Participants from the Committee Work:**

- Participating in the preparation and general election of sub - committees as well as the promotion of standards broadens professional horizons and accumulates practical experience in core industry fields.
- Special activities such as secretary - general training enhance comprehensive skills including organizational management and document processing, facilitating personal career development.
- In - depth cooperation opportunities with industry experts and peers help build a high - quality network of contacts and enhance industry influence.
- The establishment of new platforms such as the Quantum Electronics Sub - committee provides volunteers with a stage to give play to their professional expertise and lead project advancement.

### **4. Recognition of Outstanding Performance:**

- Plan to recommend Li Jianming, Chairman of the High - Voltage Sub - committee, for the FELLOW honor in recognition of his outstanding contributions to the high - voltage field and the committee's work.
- Conduct internal recognition for core volunteers of the preparation team of the Quantum Electronics Sub - committee and the general election working group of the Distribution Network Sub - committee, thanking them for their hard work in organizational development.
- Recognize volunteers who have performed actively in promoting the VFTO standard and maintaining website information, affirming their achievements in professional work and service support.

### **5. Coordination with Other Entities (PES Committees, CIGRE, standards, etc.):**

- Actively connect with relevant standard - setting organizations to promote the formulation of the VFTO standard, plan to participate in the January 2025 1894 Working Group Meeting, and strengthen cooperation with industry standard - setting institutions.
- Maintain close communication with all relevant PES committees, synchronize the progress of sub - committee expansion and general election, and ensure alignment with the overall work plan.
- Proactively link relevant industry institutions and technical teams during the preparation of new sub - committees and the promotion of standards to build consensus on cooperation.



## **6. Coordination and Involvement with Young Professionals:**

- Reserve places for young professionals in the expansion of sub - committees and the establishment of new ones, encouraging young practitioners to join core work.
- Set up special participation channels for young volunteers in activities such as secretary - general training to provide opportunities for skill improvement and practical training.
- Plan special sessions such as youth forums and technical salons at the Annual Conference to build a platform for young professionals to showcase their achievements and exchange ideas.

## **7. New Technologies of Interest to the Committee:**

- Focus on the R & D and application of technologies related to quantum electronics, and promote technical exchange and innovation relying on the Quantum Electronics Sub - committee.
- Focus on cutting - edge technologies in the field of leakage monitoring, and track the development trend of industry technologies in combination with the preparation work of the Leakage Monitoring Sub - committee.
- Continuously pay attention to the optimization and standardized application of technologies related to VFTO, and deepen technical research and practical implementation in this field.

## **8. Global Involvement**

- Share China's industry practical experience and align with global technical standard trends by participating in international VFTO standard working group meetings.
- Publicize the achievements of new organizational development such as the Quantum Electronics Sub - committee through the PES international platform to attract exchanges and cooperation with international professionals in related fields.
- Promote international technical exchange activities of sub - committees to facilitate the mutual learning of cutting - edge technologies and resource sharing at home and abroad.

## **9. Problems and Concerns:**

- In the preparation for the 9th sub - committee, it is necessary to further coordinate resources to ensure the accurate construction of the organizational structure and positioning of professional directions.
- During the pre - establishment stage of the Leakage Monitoring Sub - committee, there are initial promotion pressures such as member recruitment and integration of technical resources.
- Some newly established sub - committees need to continuously enhance their industry influence and resource integration capabilities to ensure efficient work operation.

## **10. Significant Plans for the Next Period:**

- Complete the establishment process of the 9th sub - committee and improve the 8+1 sub - committee organizational structure layout.

- Promote the official establishment of the Leakage Monitoring Sub - committee, expand the membership scale, and launch the first batch of technical exchange activities.
- Fully support Chairman Li Jianming's application for the FELLOW honor, and do a good job in material preparation and communication coordination.
- Successfully hold the Annual Conference from the end of January to the beginning of February, ensure the smooth implementation of all agendas, and enhance industry influence.
- Deeply participate in the 1894 Working Group Meeting to promote the VFTO standard to achieve phased results.
- Regularly carry out training activities for committee volunteers to improve the comprehensive service capabilities of the team.
- Continuously optimize the real - time information maintenance mechanism of the Technical Committee on the PES China website to ensure the timeliness and accuracy of information updates.

**Submitted by: Yongbo Yang**

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