

Power the Future

AUA-THU Overseas Study Program 2026 — Summer School for Future Power and Energy Systems (FPES)

Amid the rapid growth of renewable energy, electrification, and low-carbon strategies, the global energy landscape is undergoing a profound transformation. China, with its ambitious goals of carbon peak by 2030 and carbon neutrality by 2060, is rapidly building a new-type power system dominated by renewable energy. This creates a unique opportunity for the next generation of energy innovators to gain practical insight into one of the world's most advanced energy infrastructures.

To support China's "dual carbon" strategy and enhance the international influence of power and energy disciplines, the Department of Electrical Engineering and Applied Electronics at Tsinghua University launched the Future Power and Energy Systems (FPES) International Summer School in 2024. FPES is a high-end international platform that integrates academic excellence, industrial practice, and global talent exchange, offering undergraduate and graduate students from top universities worldwide an immersive experience in modern power systems.

Explore the World's Largest Power System

The 2026 FPES Summer School, in collaboration with Asian Universities Alliance (AUA), will be held at Tsinghua University, Beijing, offering a two-week immersive program designed for future energy leaders. Participants will:

- Explore cutting-edge technologies shaping the future of global power systems
- Learn from leading scholars and industry experts
- Experience China's rapidly evolving energy landscape firsthand

Location: Tsinghua University, Beijing, China

Program Duration: August 9–23, 2026.

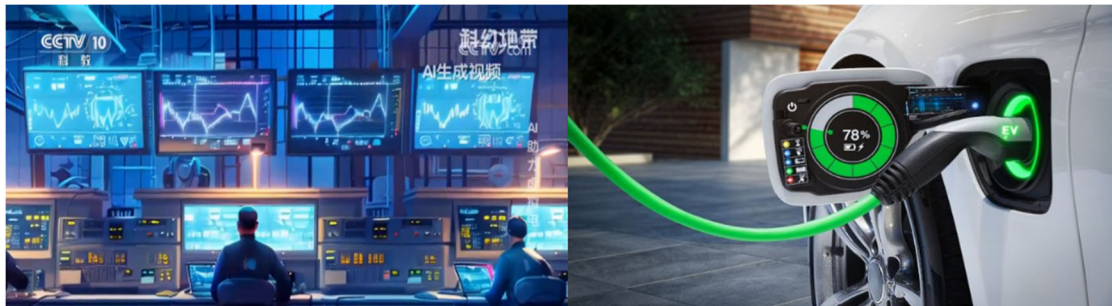


Why FPES?

FPES provides a unique international platform for students to engage with frontier topics and real-world energy applications.

Key focus areas (all courses in English):

- Carbon-neutral power systems
- Digital twin power grids AI-driven energy innovation
- Renewable energy integration
- Power electronics in modern grids
- Advanced DC transmission and distribution



Learning model: Combining expert lectures, laboratory visits, industry engagement, collaborative workshops, and intercultural exchange, FPES bridges cutting-edge research with practical energy applications.

A Global Program with Growing Impact

Since its launch, FPES has quickly gained international recognition.

2024–2025 cohorts attracted applicants from over 25 countries

Participants represented five continents

Participant Satisfaction: 9.3 / 10

Net Promoter Score (NPS): 73.9

These results highlight the program's strong academic quality and global reputation.

Notably, the program is also beginning to serve as a pathway from short-term academic exchange to advanced research training. One participant from a previous cohort has already continued on to pursue a Ph.D. at Tsinghua University.

Building on this success, the 2026 FPES Summer School will further expand its international faculty and collaborative learning opportunities.

Program Highlights

Participants will gain first-hand insights into the future of global power systems through:

- Lectures by internationally renowned scholars
- Laboratory visits at Tsinghua University
- Technical visits to renewable energy and energy storage facilities
- Industry interaction with experts from the State Grid Corporation of China
- Thematic workshops and roundtable discussions on emerging energy challenges
- Collaborative discussions with peers from around the world

Beyond academics, the program also offers cultural activities and Chinese culture immersion, allowing participants to explore Beijing and its rich heritage.







Why Study in China?

China operates:

- The world's largest renewable energy capacity
- The most extensive HVDC transmission network
- One of the most complex and advanced power systems

Studying energy systems in China provides a unique real-world perspective on the global energy transition.

Certificate

Participants who successfully complete the program will receive an official “FPES Summer School Certificate” issued by Tsinghua University.

Financial Support

The program provides generous support for international students:

1. No registration fee
2. Free on-campus accommodation (shared double room)
3. Complimentary meals during the program
4. Transportation for organized technical visits

In addition, selected students may receive partial international travel support.

Eligibility

Applicants should:

1. Be non-Chinese citizens
2. Be second or third year undergraduate students
3. Major in Electrical Engineering or closely related fields

Application Materials

Applicants should submit:

1. Personal Statement (including CV and research interests)
2. Official Academic Transcript and Proof of Enrollment
3. Copy of Passport Information Page
4. One Recommendation Letter from a university professor

Application

Students from Asian Universities Alliance (AUA) member universities shall be officially **nominated** by their home universities via email to the program's organizing team.

Nominated students (including those on waiting list) will be instructed to fill in the application form via the link provided to the AUA contact persons by the AUA Secretariat.

Key Dates

Application Deadline: June 10, 2026

Contact

For inquiries, please contact the organizing team via email below.

Email: pczhang@tsinghua.edu.cn (Dr. Zhang), luojiao@tsinghua.edu.cn (Ms. Luo), junyu@tsinghua.edu.cn (Ms. Zhou)

Future Power. Global Minds.

Join us in Beijing and explore the future of global energy systems.

FPES 2026 — Where future energy leaders meet.