Asian Universities Alliance

Institute of Nuclear and New Energy Technology, Tsinghua University

WORLD NUCLEAR UNIVERSITY
Established 2003

AUA-THU Overseas Study Program 2026

WNU-THU Week 2026

— Short Course on "The World Nuclear Industry Today"

Huludao, Liaoning, China

4-10 July, 2026

Program introduction:

The short course is a lecture-based study with field trips, consisting of six modules: (1) Nuclear energy policies and nuclear project economics; (2) Recent development of advanced reactors; (3) Digital transformation of nuclear energy system; (4) Hot spots in nuclear industry, such as nuclear safety, radiation protection, radioactive waste management, nuclear technology application and etc.; (5) Sustainable development of nuclear energy and nuclear technology; and (6) Job opportunities in international and China's nuclear workforce.

Target attendees	Students from AUA member universities Students from other universities Young professionals from industry
Language	English and Chinese with simultaneous interpretation service
Application deadline	30 April 2026

For more information, please refer to the details below.

清華大學 核能与新能源技术研究院
Institute of Nuclear and New Energy Technology, Tsinghua University

Welcome to the AUA-THU Overseas Study Program 2026:

WNU-THU Week 2026— Short Course on “The World Nuclear Industry Today”

This one-week intensive program will be held in Huludao, China, from 4 to 10 July 2026. It is jointly organized by the Institute of Nuclear and New Energy Technology (INET) of Tsinghua University (THU), the World Nuclear University (WNU), and the China Nuclear Society (CNS), with support from Liaoning Technical University (LTU) as the local co-organizer.

Designed for students in nuclear-related disciplines and young professionals, this one-week program combines academic lectures with field trips. Participants will gain a comprehensive overview of the global nuclear energy sector, develop insights into its future, and build connections with international peers. The schedule includes an opening orientation on the first evening, followed by six days of lectures, discussions, and site visits.

The faculty consists of leading world experts from the International Atomic Energy Agency (IAEA), World Nuclear Association (WNA), Nuclear Energy Agency (NEA) of the Organization for Economic Co-operation and Development (OECD), China Atomic Energy Authority (CAEA), Tsinghua University (THU), China National Nuclear Corporation (CNNC), State Power Investment Corporation (SPIC), etc..

The expertise of faculty, variety of students, and field trips will bring you a global and valuable experience. If you are interested in the nuclear technologies or nuclear industry today, we encourage you to apply for the program, and look forward to meeting you in Huludao, China.

Prof. MA Tao

Academic Director of the program

Deputy Director, Institute of Nuclear and New Energy Technology, Tsinghua University

Course modules

The short course is a lecture-based study with field trips, consisting of six modules: (1) Nuclear energy policies and nuclear project economics; (2) Recent development of advanced reactors; (3) Digital transformation of nuclear energy system; (4) Hot spots in nuclear industry, such as nuclear safety, radiation protection, radioactive waste management, nuclear technology application and etc.; (5) Sustainable development of nuclear energy and nuclear technology; and (6) Job opportunities in international and home nuclear workforce.

Admission criteria and prerequisite courses

Active engagement expected

Entry into the program does not require a minimum GPA; however, participants are expected to commit to a rigorous and engaging educational experience. Full participation in class discussion and collaborative activities is a cornerstone of the program's success.

English language proficiency

Given that the lectures are either delivered in English or Chinese with simultaneous interpretation between English and Chinese, it is essential that all participants demonstrate a strong command of the English or Chinese languages.

Prerequisite coursework

No prerequisite courses are mandatory. However, since many of the lectures are intensive with engineering knowledge, we encourage you to consider your academic background and interests before deciding whether to apply.

Fees and financial arrangements

We are delighted to offer this program with waived application and tuition fees. Accommodation and meals will also be covered by the organizers, ensuring a diverse and accessible experience for all.

Please note that attendees must cover their own international and/or domestic travel to and from Huludao, China. However, local transportation for site visits and cultural activities will be provided at no cost to participants.

Registration

The registration process for the program will commence on 4 July, 2026. Detailed information regarding registration will be provided in due course.

Transportation

The venue of the program is located in Huludao, Liaoning Province, China. Please be advised that there is no airport in Huludao. Participants may choose from the following transportation options.

- ☐ Fly to a major Chinese city and transfer to Huludao by train. Complimentary railway station pickup services are available.
- ☐ Fly to a nearby airport. Complimentary airport pickup services are provided. The nearby airports are:

  Jinzhou Bay Airport (50 km from Huludao)

  Shanhaiguan Airport (130 km from Huludao)
- ☐ Travel to Beijing. Participants may gather at a designated meeting point, such as Tsinghua University, where a staff member or student volunteer will accompany the group to Huludao by train. Complimentary railway station pickup services are available.

Transportation details will be communicated to enrolled students in due course.

Visas

For some participants, a visa will be necessary to enter China. Organizers will provide letters of invitation to support the visa application process in a timely manner. It is strongly recommended that participants initiate the visa application process well in advance by consulting with the Chinese embassy or consulate in their country of residence.

Be aware that certain individuals may be exempt from the visa requirement, as China offers a Visa-Free Transit policy, allowing stays of up to 240 hours, or a Visa-Free Entry Policy for nationals of specific countries.

To ascertain the applicable entry policies, please refer to the guidelines provided by the Chinese embassy or consulate in your country of residence or by the National Immigration Administration of China.

Lodging and Dining Arrangements

Our dedicated staff will facilitate room reservation for you. Throughout your time at the program, local co-organizers will provide meals to you at the on-site cafeterias.

Study facilities

During the program, participants will have access to classrooms or meeting rooms at the course venue. Considering the requirement for research and group presentation, participants are strongly advised to bring their own laptops or similar devices.

Health and personal insurance

While health issues and incidents are uncommon, it is essential for international participants from overseas to secure adequate health and personal insurance for the duration of their stay in China. This insurance should be comprehensive enough to address potential scenarios such as theft or medical emergencies. We advise you to review your policy details to ensure they meet these requirements.

About the organizers

● Tsinghua University and INET

Tsinghua University (THU) stands as a beacon of academic prestige, not only in Asia but also on the global stage. Recognized as the 8th best university in the Times Higher Education World Reputation Rankings for 2025, Tsinghua is renowned for its exceptional academic reputation and worldwide influence.

The Institute of Nuclear and New Energy Technology (INET) is an integral part of Tsinghua University's academic community. Established in 1960, INET has grown to the largest research institute within China's higher education system, boasting a distinguished faculty of approximately 300 members and a robust postgraduate community of more than 400 postgraduates.

INET has strong strengths in R&D of nuclear energy, nuclear fuel cycle, nuclear technology application, new energy, energy policy, as well as in talent cultivation. INET houses three test reactors, and is the leading institute in the R&D of the world’s first modular commercial HTGR, i.e., HTR-PM.

● World Nuclear University (WNU)

The World Nuclear University (WNU) is a global network committed to develop high-quality leadership development programs that equip nuclear leaders with the necessary knowledge and tools to drive the industry forward. WNU has grown to become one of the leading organizations in the nuclear leadership landscape, with a global network of over 1600 alumni from 96 countries and countless organizations across the industry. It was founded in 2003 by

- The World Nuclear Association (WNA).
- The World Association of Nuclear Operators (WANO).
- The International Atomic Energy Agency (IAEA), and
- The Nuclear Energy Agency of the Organization for Economic Co-operation and Development (OECD/NEA).

● Chinese Nuclear Society (CNS)

The Chinese Nuclear Society (CNS) was established in 1980. It is a non-for-profit organization dedicated to nuclear science, technology and industry. Its object is to mobilize the nuclear professionals to promote the advancement and peaceful use of nuclear science and technology. The three main missions of the CNS are to conduct the academic exchange, popularize the knowledge of nuclear science and technology to the public, strengthen the communication among Chinese and overseas colleagues. CNS has more than 20,000 individual members, 237 organization members and 9 working committees, covering 49 technical divisions and connecting 23 provincial nuclear societies.

● Liaoning Technical University (LTU)

Liaoning Technical University (LTU), located in Liaoning Province of China, focuses on engineering and technology education. the university is dedicated to providing students with practical skills and knowledge that align with industry demands. Its programs emphasize hands-on learning and research, preparing graduates for successful careers in various technical fields. The university collaborates with local industries, offering students opportunities for internships and real-world experience. The vibrant campus life fosters a culture of innovation and teamwork among students.

Candidate recommendation

Please kindly nominate one candidate to participate in this program, along with one alternate candidate for the waiting list. Final selection will be based on diversity, program capacity, and the total number of nominees from AUA member universities.

Please submit the following information by the deadline: 30 April 2026.

University name:	
Candidate No.1	First Name: Family Name: Email Address: Nationality: Department: Major:
Candidate No.2 (for waiting list)	First Name: Family Name: Email Address: Nationality: Department: Major: