ACNET-EngTech

NEWSLETTER

June, 2022

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01 News and Upcoming Events

International Forum on Aerospace Education & the Belt and Road Aerospace Innovation Alliance (BRAIA) 5th Anniversary Conference Successfully Held

To mark the 7th Space Day of China, the International Forum on Aerospace Education & the Belt and Road Aerospace Innovation Alliance (BRAIA) 5th Anniversary Conference was successfully held, concluding on April 22. Prof. Zhang Weihong, member of the Chinese Academy of Sciences and Vice President of Northwestern Polytechnical University, Ms. Feng Chunping, Vice Chairwoman of the Governing Board of the Chinese Society of Astronautics (CSA), Mr. Liu Baoping, Deputy Director of the Shaanxi Provincial Government Education Department, Ms. Jiang Hui, Counsellor of the China National Space Administration to Russia, and Ms. Yu Qi, Secretary-General of the Asia-Pacific Space Cooperation Organization (APSCO), attended the meeting and delivered speeches. The conference was presided over by Prof. Zhang Fuli, Director of the Office of International Cooperation and Dean of the International College at Northwestern Polytechnical University (NPU).

Prof. Zhang Weihong delivered a welcome speech on behalf of the Permanent Secretariat of BRAIA, NPU. He highlighted the fact that BRAIA aims to promote universities, research institutes, academic organizations and enterprises in the international space field in order to fully play to their advantages. With the joint efforts of all members, BRAIA's mechanisms for development, issue resolution strategies, and levels of communication and exchange have continuously improved. Prof. Zhang expressed that BRAIA should continue to promote cooperation in education, science and technology, promote the sharing of high-quality educational resources, and strengthen cooperation and exchange with well-known international university alliances.

Ms. Feng Chunping, Mr. Liu Baoping, Ms. Jiang Hui and Ms.Yu Qi praised BRAIA's achievements and expressed their hopes for the further development of BRAIA. Mr. Chen Jun from NPU delivered BRAIA's work report, comprehensively summarized BRAIA's achievements over the past five years, and put forward the alliance's development plan for the next five years. Representatives of BRAIA members and international organizations, including the UN Office for Outer Space Affairs, attended the meeting as well.

During the meeting, BRAIA established a new North America Regional Development Center, CETYS University, and welcomed three new official members, the Wenchang International Aerospace City Administration

Bureau, Shanghai Aerospace Equipment Manufacturing Co. Ltd. and Beijing Commsat Technology Development Co. Ltd.

On behalf of ACNET-EngTech, the Permanent Secretariat for the Chinese side expressed a sincere wish for the continued success of BRAIA on its 5th anniversary and the hope that BRAIA and ACNET-EngTech will join hands to further boost education cooperation and research collaboration between China and ASEAN countries.

The Belt and Road Aerospace Innovation Alliance (BRAIA), established in 2017 in the city of Xi'an, was initiated by Northwestern Polytechnical University (NPU) and the Chinese Society of Astronautics (CSA). BRAIA's mission is to enhance international cooperation in aerospace technology and its applications. BRAIA's focus is to promote substantial cooperation among BRAIA members in the fields of talent cultivation, scientific research, technology development and application, etc. In 2021, BRAIA's work was included in the Forum on China-Africa Cooperation Dakar Action Plan (2022-2024) and in China's Space Program: A 2021 Perspective. BRAIA currently has 74 members from 22 countries spread across 6 continents. It has held 33 large-scale cultural, scientific and technological exchange activities, from which more than 4500 teachers and students have directly benefited.

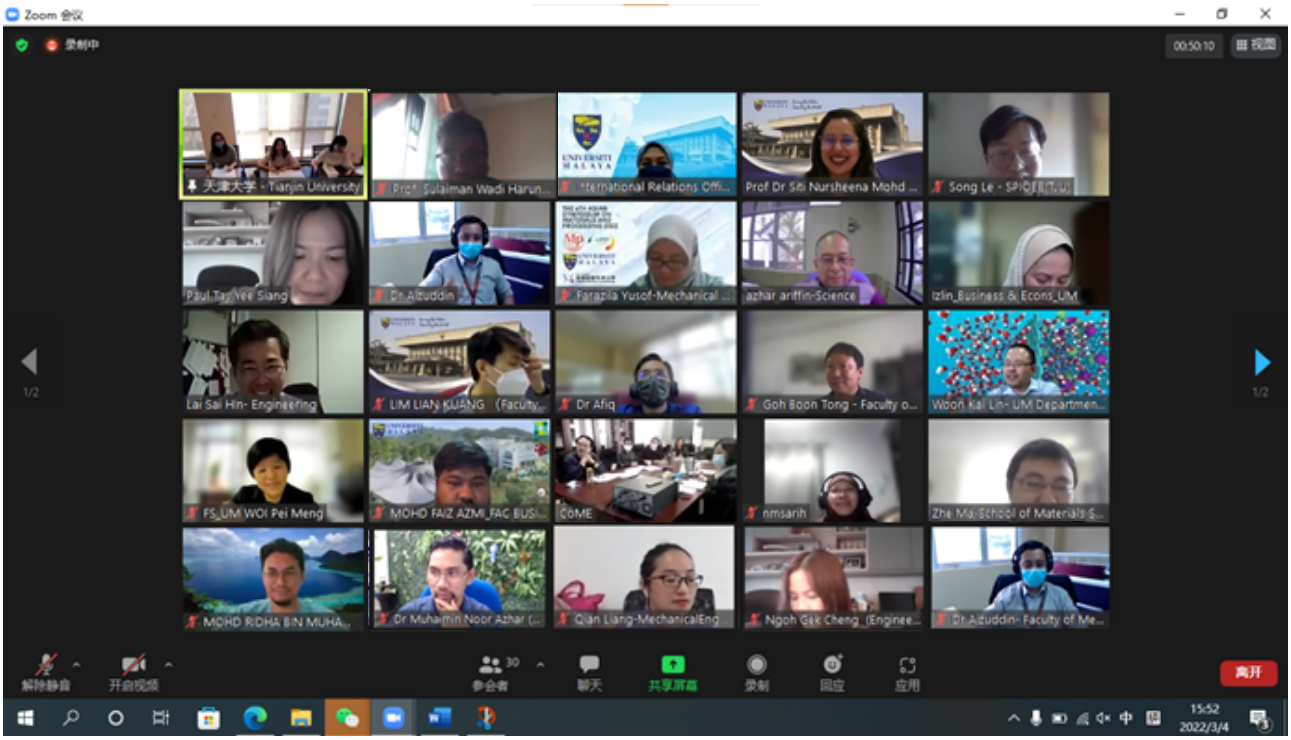
Online Cooperation Meetings Between ACNET-EngTech Members Successfully Held

Over the past several months, ACNET-EngTech members have had more frequent interactions than ever and carried out many activities, including academic lectures, student competitions, training courses and online seminars.

Among them were two online meetings, one between Tianjin University and Chulalongkorn University and the other between Tianjin University and Universiti Malaya. Unlike academic seminars, these two meetings focused on joint plans for expanding cooperation in various disciplines. The meetings produced a multitude of favorable results.

On December 9, 2021, Tianjin University and Chulalongkorn University held an online meeting. Participants included representatives from the School of Architecture, School of Science, School of Chemical Engineering and Technology, College of Intelligence and Computing, School of Marine Science and Technology, Medical College and Office of International Cooperation at Tianjin University, and representatives from the Faculty of Medicine, Faculty of Science, Faculty of Engineering, Faculty of Architecture and Office of International Affairs and Global Network at Chulalongkorn University. Dr. Zhang Zhen, Director of the TJU Office of International Cooperation, and Dr. Ram Piyaket, Director of the Office of International Affairs and Global Network at Chulalongkorn University, co-hosted the meeting. Around 40 representatives from both sides took part in the discussion panels on various disciplines.

Regarding the discussions' outcomes, two universities signed an MOU and exchange student agreement and agreed on further cooperation in faculty exchange, academic seminars, research collaboration, etc.



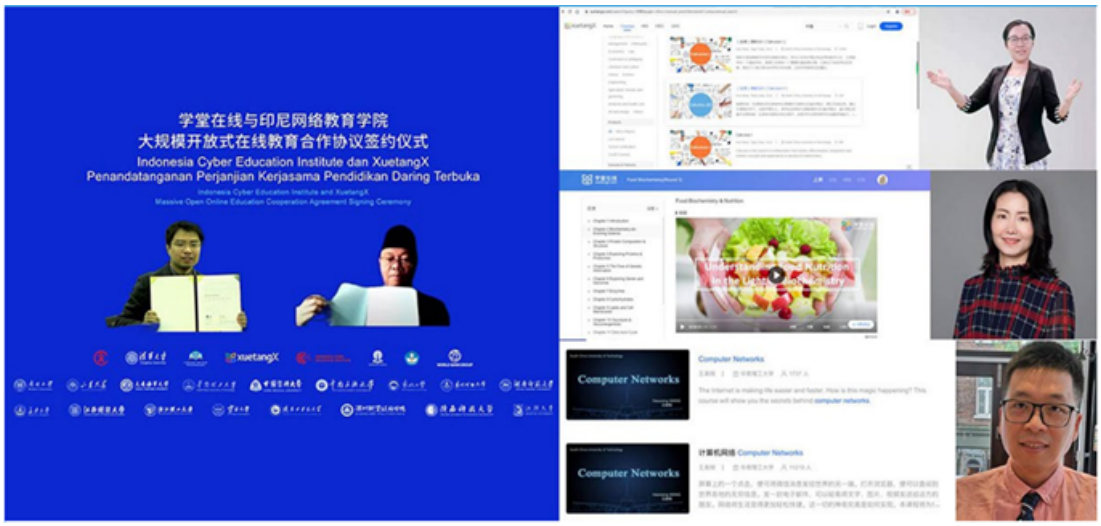
On March 8, 2022, Tianjin University and Universiti Malaya held an online meeting. The participants came from the College of Management and Economics, School of Materials Science & Engineering, School of Precision Instruments and Opto-Electronics Engineering, School of Mechanical Engineering, Institute of Disaster Medicine and Office of International Cooperation at Tianjin University, and from the Faculty of Business and Economics, Faculty of Science, Faculty of Engineering, Faculty of Medicine, and Office of International Cooperation at Universiti Malaya. Over 20 participants separated into groups to discuss cooperation opportunities and plans. As a result of the meeting, two universities signed an MOU and an exchange student agreement, and reached a consensus regarding various ways in which faculties and schools from both sides would cooperate, especially in research collaboration, scholarships for faculty and student exchanges, online courses and paper publication.

The above two meetings were the outcome of the continued development of ACNET-EngTech and the deepening relationships between its members. ACNET-EngTech advocates that each member promote exchanges and communication with other members, taking advantage of the education resources and research capabilities of all members to make progress in education quality and scientific research outcomes.

South China University of Technology Offers 3 MOOCs to Indonesian Universities

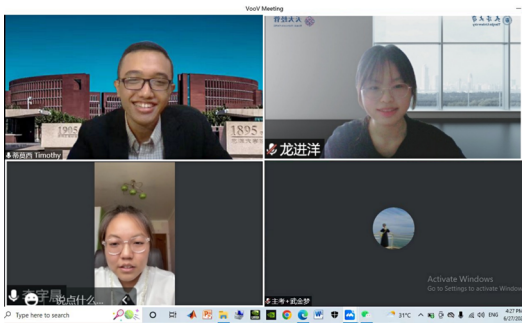
On February 24, XuetangX, a MOOC platform in China, and Indonesia's national online education platform held an online education cooperation agreement signing ceremony. According to the agreement, XuetangX, in conjunction with 18 Chinese universities, will offer 60 high-quality MOOCs to Indonesian university students for the sake of online learning.

Of the 60 courses, the following 3 will be provided by ACNET-EngTech member, the South China University of Technology (SCUT): Calculus by Professor Deng Xue from the School of Mathematics, Food Biochemistry by Professor Ren Jiaoyan from the School of Food Science and Engineering, and Computer Networks by Associate Professor Wang Haoxiang from the School of Computer Science and Engineering. These 3 courses were first launched globally in 2020 on international online learning platforms such as iCourse and XuetangX.



02 ACNET-EngTech People

An Indonesian Student's Study Experience at TJU



With the increasing exchanges between China and ASEAN countries and the launch of the ASEAN-China Young Leaders Scholarship program, more and more students from ASEAN countries have come to study in China. Timothy, an Indonesian student, is one of them. He became a student at Tianjin University's School of Chemical Engineering in 2020 and has thrived both inside and outside the classroom.

In June 2022, Long Jinyang and Li Yuchen, two student ambassadors from the Office of International Cooperation, and Timothy, a student ambassador from the School of International Education, conducted an online chat in which Timothy shared his feelings about his TJU experience.

Long: How did you learn about Tianjin University and come to choose it for your undergraduate study?

Timothy: In high school, my mom and I had the biggest dream, that is for me to study abroad. At first, I didn't have a specific country in mind. My mom and I worked together to find a country that suited my interest in chemical engineering. China quickly became one of my top preferred destinations, because of its developments in engineering technology, research, university quality, etc.

But China has so many universities. So I first determined the standards that I preferred to have from universities with a set of pertinent factors, including teaching method, scholarships, and engineering standards, and made a long list comparing many universities. Finally, I chose the chemical engineering program at Tianjin University for several reasons. First of all, chemical engineering education at TJU has obtained international accreditation and been responsible for a number of achievements, which ensured that my courses and

learning experiences would be of the highest quality. Second, Tianjin University's chemical engineering program is ranked A+, the highest level in the Ministry of Education of China's evaluations. Finally, TJU also provides a variety of resources for international students. For example, the full scholarship covers all expenses, and there is even a special chemical engineering scholarship that suits my interest.
That is how I came to know about Tianjin University and why I chose to study here.

Long: Have you faced any challenges in learning and life at TJU? If so, how did you overcome them?
Timothy: Yes, many challenges in the beginning, such as the one-hour time difference between China and Indonesia, professors' different teaching methods, unfamiliar topics in the intensive course contents, learning the Chinese language, and adapting to online learning at home.
To overcome these challenges, I closely managed my schedule and my time and conducted self-study after each class to get better adjusted to the time change, learning method, teaching method and the language. I've managed this well and have now achieved a cumulative GPA of 4.0 at TJU. I study Chinese diligently, although I have long way to go, I can understand when Chinese is used in the class wechat groups and can also understand you perfectly. Studying online will continue to pose challenges in the future, but I believe I can cope with them very well!

Li: How would you advise new students about major selection?
Timothy : First, you can check my social media page. There you'll see many videos of me in discussion with other students and with successful alumni from different majors. Second, you should find a major that corresponds with your interests. Choosing a major is not as trivial as choosing a piece of fruit to eat. We have to study this major for several years and do not want to waste time on something unsuitable. So you have to really understand yourself and your experiences in relation to the major.

Please remember don't let future earning and other such things get you far. Otherwise, you'll ultimately find that it's too late to change to what you should have been pursuing all along.

Li: The college entrance examination recently ended. What do you want to say to the students who plan to apply to TJU?

Timothy: To the incoming students at Tianjin University, you are on your way to one of the best universities in China. Tianjin University is ready to train and nurture us in engineering, science, education, languages, law, business, management, finance and many other majors, helping us graduate with a solid education and a variety of achievements.

You will not regret your choice of university as long as you are motivated, purposeful and have the desire to stay on top of your chosen major. When I was accepted by TJU, I received a full scholarship, and I have worked hard to maintain it. I have gotten to know many students and alumni and have learned of their achievements and successes while studying at TJU. I hope that you will be admitted to Tianjin University and realize great academic success.

If you want to know more about TJU, you can watch my videos on social media.

(Instagram: @timothyjoseph5; Bilibili: 蒂莫西经理频道 ; Youtube: Timothy Joseph Hutagaol)

天津大学
Tianjin University

OFFICE OF
INTERNATIONAL
COOPERATION

2022 TJU Online Summer School

Achieving Carbon Neutrality with Technology

INTRODUCTION

To promote the application of science and technology (S&T) to achieving carbon neutrality and to cultivate global citizens with deep knowledge and a sense of responsibility, Tianjin University will hold the 2022 TJU Online Summer School from August 22 to September 1. The theme will be "Achieving Carbon Neutrality with Technology". The program offers 6 modules, introducing the latest developments in carbon neutrality by first-rate professors and researchers.

As the pandemic currently hampers physical mobility, this online program will provide students access to expertise from a variety of fields, the opportunity to interact with experts and international students from around the world, and the chance to experience TJU's academic atmosphere without having to travel.

We welcome you to join us!

Target Students

- Very interested in carbon neutrality and related areas
- Full-time students from TJU overseas partners and TJU
- Good command of English listening and speaking

Organizer

Office of International Cooperation
http://ico.tju.edu.cn/en/

Co-organizers

School of Mechanical Engineering
http://me.tju.edu.cn/enindex.jsp

School of Chemical Engineering and Technology
http://chemeng.tju.edu.cn/en/

School of Materials Science and Engineering
http://mse.tju.edu.cn/English/Home.htm

School of Architecture
http://t-arch.tju.edu.cn/

School of Environmental Science & Engineering
http://tjusee.tju.edu.cn/

School of International Education
http://sie.tju.edu.cn/en/

SCHEDULE

Opening Ceremony

August 22 15:00-17:00

Module 1: Internal Combustion Engines

August 23 15:00-16:30 The evolution of internal combustion engines towards carbon neutrality

17:00-18:30 High-efficiency application of methanol in engines

Module 2: Chemical Engineering for Sustainable Development

August 24 15:00-15:30 Membrane science and technology

15:30-16:00 CO_2-to-treasure through "Power-to-X": Electrocatalytic conversion of CO_2 to valuable chemicals

17:00-17:30 The role of chemical engineers in H_2 energy

17:30-18:00 Photocatalytic hydrogen evolution and CO_2 reduction based on transition metal sulfides

Module 3: Energy Storage and Conversion Materials

August 25 15:00-16:30 Lithium-organic batteries

17:00-18:30 Design and synthesis of new energy materials and their applications

August 26 15:00-16:30 Advanced electrocatalysts for oxygen reduction

17:00-18:30 Aqueous zinc-based battery

Module 4: Architectural Design and Technology for a Carbon-Neutral Built Environment

August 29 15:00-16:30 R-CELLS: A solar house prototype developed by Team Tianjin U+

17:00-18:30 Design and evaluation of solar technology integration for zero carbon buildings

August 30 15:00-16:30 Goal- and effect-oriented low carbon building design methods

17:00-18:30 How to achieve low carbon at the early design stage: Green retrofit decision making for integrated performance optimization

Module 5: Analysis of Industrial Emissions and Building Carbon Neutrality

August 31 15:00-16:30 Industrial pollutant emissions based on the input-output model: Linkage analysis

17:00-18:30 Carbon-neutral building

Module 6: Chinese Culture

September 1 15:00-15:40 Festival customs

16:00-16:40 Chinese languages and characters

Closing

September 1 17:00-18:00

* UTC/GMT+8 Time

HIGHLIGHTS

First-rate professors and researchers from TJU, a top engineering university, will provide expert insight into how the application of technologies in various disciplines and industries can accelerate the realization of carbon neutrality.

Module 1: The Internal Combustion Engines

The theories, applications and latest developments in internal combustion engines. Advanced combustion and related topics will also be discussed.

Assoc. Prof. Yue Zongyu

Committee member of SAE, ASME and ILAS

Research Areas: Multiphase reacting flow; Internal combustion engine; High fidelity simulation

Prof. Liu Haifeng

Principal Investigator at the State Key Laboratory of Engines(TJU)

Research Areas: Advanced combustion theory and technology in I.C. engines; Biofuels combustion; Optical diagnostics on combustion

Module 2: Chemical Engineering for Sustainable Development

Novel chemical engineering technologies for CO_2 emission reduction and conversion as well as new energy exploration and utilization will be demonstrated.

Prof. Wu Hong

Highly cited chinese researchers,Elsevier, 2021

Research Areas: Membrane and membrane processes

Prof. Zhang Peng

Associate editor of Chinese Chemical Letters

Research Areas: Catalysis; Electrocatalysis; Photoelectrochemical cell; CO_2 reduction; Water splitting

Prof. Wang Yuxin

The first-class award in basic research, CIESC, 2019

Research Areas: PEM fuel cells; Electrolytic hydrogen production; Desalination

Assoc. Prof. Yu Tao

Peiyang Scholar of Tianjin University

Research Areas: Design of semiconductor materials for environmental protection; Photocataytic water spliting to produce hydrogen; Photocatalytic carbon dioxide reduction

Module 3: Energy Storage and Conversion Materials

Latest developments in materials and devices for fuel cells, water splitting, hydrogen production and advanced batteries.

Prof. Xu Yunhua

Fellow of the Royal Society of Chemistry

Research Areas: Energy storage materials; Electrolytes; Batteries

Assoc. Researcher Yin Pengfei

Author and co-author of 28 SCI papers

Research Areas: Energy materials; new materials; material design and synthesis

Prof. Liang Ji

Doctoral supervisor

Research Areas: Electrocatalysts; Carbon materials; Electrochemical energy storage

Prof. Zhong Cheng

National Natural Science Foundation for Distinguished Young Scholar

Research Areas: Energy materials; Battery; Energy storage

Module 4: Architectural Design and Technology for a Carbon-Neutral Built Environment

Recent research and practice at the TJU School of Architecture (SOA), including low-carbon solar building design, optimization of a building's physical environment and life cycle impacts, and planning for multiple renewable energies.

Prof. Yang Wei

Leader of the Research Group of Carbon Neutral Building Design, Construction and Operation

Research Areas: Building life cycle assessment and design; Sustainable renewal of building stock; Buildings' design, construction and operation for carbon neutrality

Prof. Zhu Li

President of APEC Sustainable Energy Center

Research Areas: Low-carbon urban energy planning; Low-carbon building design and technology integration; New building skin design and interior environment

Prof. Liu Gang

Deputy Director of International Low-Carbon Building Research Center (TJU)

Research Areas: Green intelligent building; Ecological Smart Lighting

Lecturer Yang Hongwei

National Natural Science Foundation for Distinguished Young Scholar

Research Areas: Performance-based design of green renovation of existing buildings based on optimization algorithms

Module 5: Analysis of Industrial Emissions and Building Carbon Neutrality

A look into emissions resulting from the product exchange process and how to quickly achieve major emission reduction during the building phase in order to realize the goal of carbon neutrality.

Prof. Wang Yuan

Doctoral supervisor

Research Areas: Environmental economics

Assoc. Prof. Zhao Jing

Award winner of 2 ministerial and provincial-level science and technology awards

Research Areas: Intelligent control technology of building energy system; Building low-carbon heating and cooling technology; Building energy system digitization

Module 6: Chinese Culture

An exploration of traditional Chinese festival customs and the Chinese writing system. Students will "experience" Chinese languages and traditional festivals, through which they will better understand why China is a multi-ethnic, multicultural and multilingual country.

Lecturer Yin Xiaojing

Author of 4 textbooks for teaching Chinese as a foreign language and 1 cultural textbook

Research Areas: Chinese language teaching to overseas students; Chinese culture study

IMPORTANT INFORMATION

Application

Submit your application form at https://www.wjx.top/vm/Pk2x6r6.aspx, or scan the QR code to submit.

Application deadline

August 10

Language

English

Venue

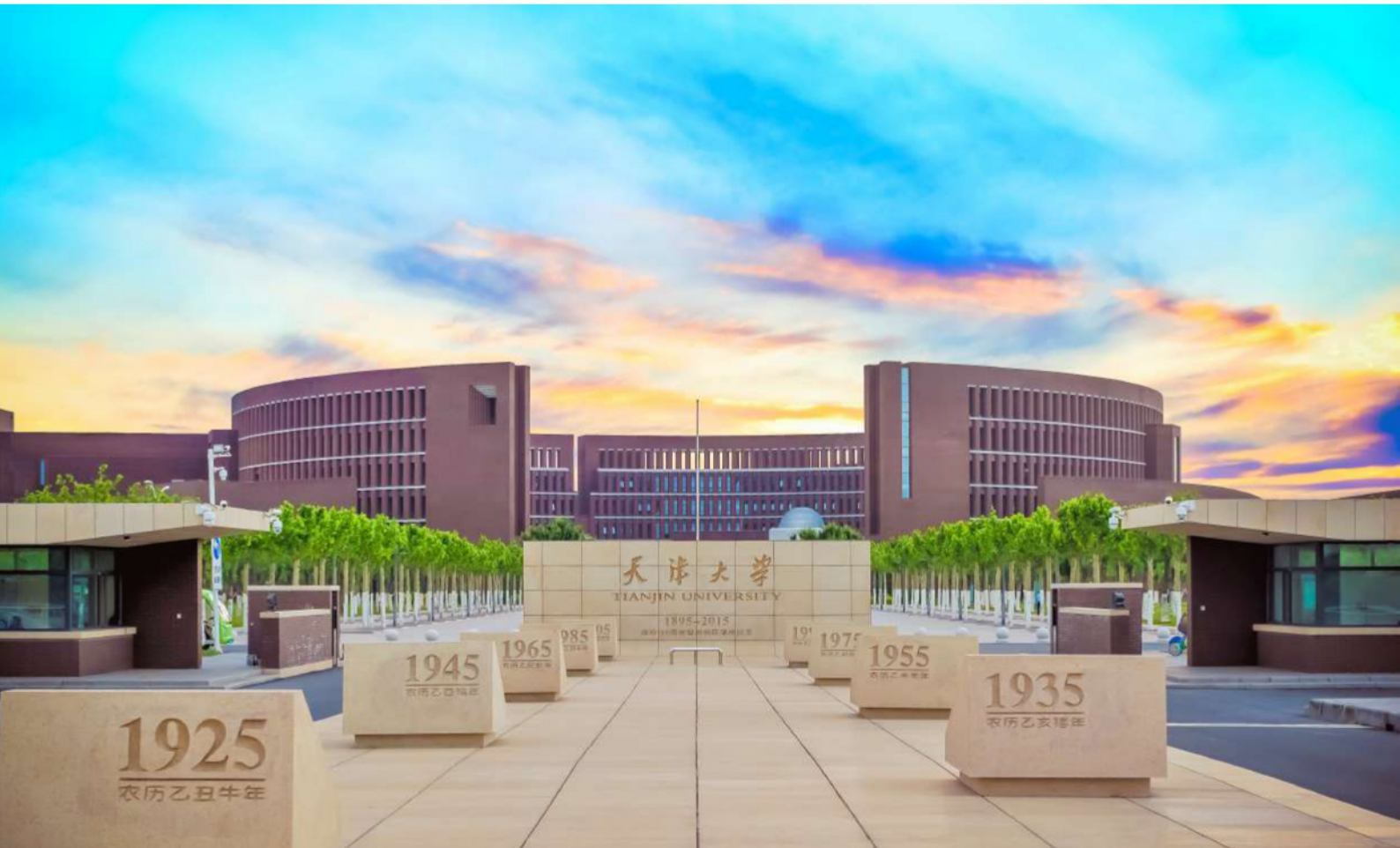
Voov Meeting (meeting ID and password will be sent via email)

Cost

Free to students from TJU partner institutions

Contact Information

For any inquiries, please contact:
Ms. HE Shengnan, Office of International Cooperation, Tianjin University
Email: acnet_engtech@tju.edu.cn



OVERVIEW OF TIANJIN UNIVERSITY

Tianjin University (TJU) is the first modern university in China, founded on October 2, 1895, and possessing a distinct strength in engineering. Since its inception, the university has been an academic leader in research and education, living up to its motto of "Seeking Truth from Facts". TJU is equipped with experienced faculty and has distinctive disciplinary features. It is committed to constantly improving its quality of education and level of scientific research in an effort to build itself as a world-class university. The latest ESI shows that 3 disciplines rank in the world's top 1‰. TJU has graduated over 60 academicians of the Chinese Academy of Sciences (CAS) and Chinese Academy of Engineering (CAE), and over 50 university presidents around the world.

Global engagement stands at the forefront of TJU's agenda. Strategic partnerships have been forged with 257 universities, research institutes and multinational companies in 50 countries and regions. The joint school with the Georgia Institute of Technology and joint education programs with the National University of Singapore are highly illustrative. TJU initiated the ASEAN-China Network for Cooperation and Exchanges among Engineering and Technology Universities (ACNET-EngTech), a consortium comprised of 10 top universities from China and 14 from ASEAN countries. In the realm of international cooperation, student mobility has been greatly emphasized, with over 120 programs covering exchange, articulation, internships, and co-supervision at the undergraduate and postgraduate levels.

The university offers 81 degree programs and 506 courses taught in English, with 11 programs accredited by organizations such as IChemE, CTI, UIA and AMBA. 235 foreign experts have joined TJU's faculty over the years, including five recipients of the Chinese Government Friendship Award and one Nobel Prize winner. Hosting its first batch of international students in the 1920s, TJU, home to more than 20,000 international students from over 140 countries/regions has been among the most popular study destinations in China.

Support Units:

Organizer: 天津大学 Tianjin University

ACSOC 中国-东盟智慧海洋中心

Co-organizer: FISO

LEARNING ABOUT OCEAN

2022 ASEAN-CHINA LEARNING ABOUT OCEAN STUDENT FILM COMPETITION

2022/06/08-2022/11/07

1ST PLACE: RMB 5000

2ND PLACE: RMB 3000

FOUR FOR PEOPLES' CHOICE AWARD

SUBJECT

- Marine Carbon Neutral
- Marine-related Energy
- Marine Biodiversity
- Other Marine related Pollution
- Extreme Weather Conditions
- Marine Ecological Restoration
- Marine Microplastic
- Marine Industry
- Guardians of Ocean
- Blue Silk Road: Stronger Connection Among You and Me

The 3rd ASEAN-China "Learning about Ocean" Student Film Competition

On the 2022 World Ocean Day, in order to stimulate the desire of young students in China and ASEAN countries to protect the marine environment, the ASEAN-China Smart Ocean Center (ACSOC) at Tianjin University launched the 3rd ASEAN-China "Learning about Ocean" Student Film Competition (2022-SFC). It is now accepting entries.

Theme

Marine Environmental Protection

Participants

Students enrolled at universities in China and ASEAN countries

Application

Before November 7, please submit your work at https://marine.aitamen.cn

Requirements

(1) Each submitted film should not exceed five minutes in length. Its content should match any of the 10 categories listed below.

- Marine Carbon Neutral
- Marine-Related Energy
- Marine Biodiversity
- Extreme Weather Conditions
- Marine Ecological Restoration
- Marine Microplastics
- Other Marine-Related Pollution
- Marine Industry
- Guardians of the Ocean
- Blue Silk Road: Stronger Connections Between You and Me

(2) All film content must be original, copyright-free or have received written permission for use, and properly documented. Otherwise, the participants will be disqualified.
(3) Language: Chinese or English (Include English subtitles.)
(4) Each participant may submit a maximum of three films from different categories.
(5) ACSOC will own the copyright and have license to edit and use the submitted films without advanced notice.
(6) ACSOC reserves the right to disqualify any film that does not meet the above eligibility requirements.

Contribution Amount

A contribution amount (pre-tax) will be awarded to the top 3 films in each category:

One for 1st Place: RMB 5000
Two for 2nd Place: RMB 3000
Four for People's Choice Award winners: special gift

(The above amounts are all listed in RMB and do not factor in the exchange rate. All listed amounts are pre-tax.)

Where appropriate, a number of **3rd Place** honors will be awarded depending on the overall quality and quantity of submissions.

All participants will receive presents and certificates.

You are welcome to contact us at: **tju_smartocean@163.com**

2022 ASEAN-China Scholar Program

The ASEAN-China Scholar Program is currently in its fifth year, having commenced in 2018. Due to the pandemic's effects on travel, the program utilizes virtual lectures and seminars to provide a feast of knowledge to faculty members and students without them having to take a long trip.

In the first half of 2022, the program featured 13 experts from the fields of international affairs and cutting edge research. 19 first-rate lectures were given by experts from Thailand, Indonesia, Malaysia, Myanmar, Singapore and Vietnam. Over 700 teachers and students attended and enjoyed the lectures.

The ASEAN-China Scholar Program is currently accepting applications for the second half of 2022. We welcome qualified experts to apply and offer splendid lectures to ACNET-EngTech member students!

Application Procedure

Participants should meet the following requirements:

1. **Non-Chinese** citizens from universities or embassies in ASEAN countries.
2. A minimum of 5 years of research experience, having acquired at least an associate professorship or other equal position at one's home university.
3. High level of English proficiency. Good command of Chinese is a plus.
4. Prior experience working or studying internationally is desirable.

Benefits for Participants

Tianjin University will provide the following:

- A certificate of honor for participating in the ASEAN-China Scholar Program
- Lecture and/or course fees (pre-tax): 3,000 RMB

Contact Information

For an application form and any questions regarding the program,
please contact us before August 10:

Ms. HE Shengnan, Office of International Cooperation, Tianjin University
Email: acnet_engtech@tju.edu.cn
Tel: +86-22-85356058 / +86-13811877154

CommTECH Nusantara 2022 (Offline)

Unlocking Hidden Treasure of Java

CommTECH 2022

Overview

Institut Teknologi Sepuluh Nopember (ITS) Surabaya has been consistently maintaining commitment to develop science and technology with social and cultural approaches. Among thousands of islands, the Java island provides an attraction for continuing to be explored for its rich culture and local traditions.

ITS has been running their own short program namely CommTECH (Community and Technological Camp) since 2012 and we've held this program 15 times. In the mid of this year, we come back to held the CommTECH program in offline mode. We offer not only academic courses, but also several non-academic activities combined with insightful and challenging project.

Program Fee

- ITS' University Partner/ Consortium Student : 450 USD
- Non-university Partner Student : 600 USD
- Additional Fee of Pick-up Service : 25 USD
- "BUY 1 GET 1 FREE" Discount is available for university partner students

Included:

- Program Fee
- Accommodation Fee during the program
- City Tour
- Adventurous Trip
- Meals during the program

Excluded:

- Roundtrip ticket
- Visa Fee

Registration

Fill in the registration form in this link:
bit.ly/commtech_nusantara
OR nominate your students by email to
commtech@its.c.id

Deadline

Please register yourself before:

JULY 15, 2022

Date and Time

15th August - 26th August 2022.

Final Project

Participants will be asked to discover the rich culture and traditions of the local Javanese community in a package of 360-video project. This project requires a high level of social sensitivity, a broad perspective, and a critical way of thinking to be able to discover the hidden sides of values belong to Javanese society. These values can be in form of eating etiquette, language style, small talk style, culinary receipts, or everyday clothes. Participants will be asked to present it at the end of the CommTECH program.

Contact Person

For further information and inquiries, please contact Mr. Harris at commtech@its.ac.id.

For further Information please kindly check our website:
https://bit.ly/commtech2022

its.ac.id/international

Contact Person: Mr. Emharis Gigih Pratama commtech@its.ac.id

Tentative Agenda

Week 1

15 August 2022

10.00 - 12.00 GMT+7	Opening Ceremony & Program Orientation
12.00 - 13.00 GMT+7	Break & Lunch
13.00 - 15.00 GMT+7	Campus Tour

16 August 2022

10.00 - 12.00 GMT+7	Indonesian Culture and Tradition Session
12.00 - 13.00 GMT+7	Break
13.00 - 14.30 GMT+7	Fun Bahasa Indonesia Activity
14.30- 16.00 GMT+7	360 Videography Class

17 August 2022

10.00 - 12.00 GMT+7	Practicing Traditional Dance (Remo/Gambyong/Jathilan), Pencak silat, Angklung
12.00 - 14.00 GMT+7	Break
14.00 - 16.00 GMT+7	"Lomba 17-an"

18 August 2022

09.00 - 12.00 GMT+7	Surabaya Tourism & Potential Overview
12.00 - 13.00 GMT+7	Break
13.00 - 17.00 GMT+7	Surabaya City Tour

19 August 2022

09.00 - 11.00 GMT+7	Learning gamelan
11.00 - 13.00 GMT+7	Break
13.00 - 15.00 GMT+7	Culture in Technology (Visit Lab Game (Gamelan Toetol & Motion Dance)
15.00 - 22.00 GMT+7	Break and preparation for adventurous trip
22.00 - 01.00 GMT+7	Depart to Bromo Mountain

20 August 2022

01.00 - 15.00 GMT+7	Adventurous Trip (Jeep adventure, Sunrise view, Sea sand, volcano tracking)

Tentative Agenda

Week 2

22 August 2022

09.00 - 12.00 GMT+7	Exploring traditional market
12.00 - 13.00 GMT+7	Break
13.00 - 15.00 GMT+7	Cooking Indonesian Culinary Game

23 August 2022

10.00 - 12.00 GMT+7	Doing Business in Indonesia
12.00 - 13.00 GMT+7	Break
13.00 - 14.30 GMT+7	Visit UKM Sentra Merr
14.00 - 16.00 GMT+7	Visit UKM Kampong Tempe

24 August 2022

09.00 - 12.00 GMT+7	Batik Surabaya Course and Practice
12.00 - 13.00 GMT+7	Break
13.00 - 15.00 GMT+7	Visit Suroboyo Central Park

25 August 2022

Coaching and Project group discussion

26 August 2022

13.30 - 16.00 GMT+7	Final Project Presentation & Exhibition
16.00 - 18.00 GMT+7	Closing Ceremony

03 About Our Members

CHULA ENGINEERING
Innovation toward Sustainability | ACTNOW

The Faculty of Engineering at Chulalongkorn University, or Chula Engineering, the first engineering institute in the Kingdom of Thailand, was established by King Vajiravudh on June 1, 1913. Since its inception, Chula Engineering has cultivated a strong intellectual culture as its foundation, upon which a flourishing intellectual community has been nurtured. Our mission for the future is to create world-class engineers for an innovative society. Centrally located in downtown Bangkok, Chula Engineering's campus is within walking distance of Bangkok's subway and sky train systems. Outstanding services and facilities, including advanced research and teaching facilities, world-class athletic facilities, central and special libraries, IT connectivity and modern international housing, are all available to serve the community. Chula Engineering is a world-class comprehensive engineering school offering degrees in over 20 engineering fields, ranging from the traditional to the cutting edge.

Department / Unit	Bachelor Degree
1. Civil Engineering	1. Civil Engineering
2. Electrical Engineering	2. Electrical Engineering
3. Mechanical Engineering	3. Mechanical Engineering 4. Automative Engineering
4. Industrial Engineering	5. Industrial Engineering
5. Chemical Engineering	6. Chemical Engineering 7. Chemical and Process Engineering I, E
6. Minig and Petroleum Engineering	8. Georesources Engineering 9. Petroleum Engineering
7. Environmental Engineering	10. Environmental Engineering
8. Survey Engineering	11. Survey Engineering
9. Metallurgical Engineering	12. Metallurgical Engineering
10. Computer Engineering	13. Computer Engineering
11. Nuclear Engineering	14. Nuclear Engineering
12.Water Resources Engineering	
13. Regional Centre for Manufacturing Systems Engineering (Warwick)	
14. International School of Engineering	15. Aerospace Engineering I, E 16. Information and Communication Engineering I, E 17. Nano Engineering I, E 18. Automotive Design and Manufacturing Engineering I, E 19. Robotics and Artificial Intelligence Engineering I, E
15. Academic Affairs	

I : International Program E : Welcome international student

Master Degree			
Master of Engineering		Master of Science	
1. Civil Engineering	E		
2. Electrical Engineering	E		
3. Mechanical Engineering	E		
4. Industrial Engineering	E		
5. Chemical Engineering	E		
6. Georesources Engineering & Petroleum Engineering	I, E		
7. Environmental Engineering	E		
8. Survey Engineering	E		
9. Metallurgical Engineering	E		
10. Computer Engineering	E	1. Computer Science 2. Software Engineering	E E
11. Nuclear Engineering	E	3. Nuclear Technology	E
12. Water resources Engineering	E		
13. Engineering Management	I, E		
14. Biomedical Engineering	E		
15. Defense Engineering and Technology	E		
16. Smart Urban Systems Engineering	E		

Doctoral Degree			
Doctor of Engineering		Doctor of Science	
1. Civil Engineering	I, E		
2. Electrical Engineering	E		
3. Mechanical Engineering	E		
4. Industrial Engineering	E		
5. Chemical Engineering	E		
6. Environmental Engineering	E		
7. Survey Engineering	E		
8. Metallurgical Engineering	E		
9. Computer Engineering	E		
10. Nuclear Engineering	E		
11. Water resources Engineering	E		
		1. Biomedical Engineering	E

Over 4,000 of the best minds from every corner of Thailand and many foreign countries are enrolled in Chula Engineering's bachelor's program and another 2,000 in its master's and doctoral programs. Over 300 dedicated faculty members, most of whom hold doctoral degrees from world-renowned institutes, personally and passionately nourish the growth and progress of each individual student. With over 150 partners in 24 countries, Chula Engineering engages in many international activities, including the exchange of students, staff and faculty members, as well as international networks, symposiums and conferences, joint research collaborations, and double degree programs. Chula Engineering strongly emphasizes innovative education and innovative research and development. Chula Engineering's innovative education curricula have been developed under the Chula Engineering Education 4.0 paradigm, which encompasses student development in 4 key areas (knowledge, personal skills, interpersonal skills, and design thinking) in order to ensure that Chula Engineering's graduates are well equipped to be future leaders in industry and the society at large. With its outstanding performance and strong ties to industry partners, Chula Engineering attracts significant research funding from the government and private companies, including multinationals. Our research and development work has ensured the sustained development of Thailand's economy and opened new frontiers in engineering.

Permanent Secretariat from ASEAN side

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