



中国-东盟工科大学联盟

ACNET-Association of Engineering and Technology Universities in China and ASEAN

ACNET-EngTech Newsletter



2021-01

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I

New Year's Greetings

Happy New Year

Dear members of ACNET-EngTech:

After what was a difficult year for many people all over the world, we are moving into 2021 with renewed hope. The rollout of vaccinations against Covid-19 brings the promise of a return to something like normal, but we are also hopeful because of the resilience we have seen in 2020. The sense of community and collaboration which has become so important for all of us has continued to grow at the local, national and international levels. In the academic community we have found new ways of developing our collaboration which in future will continue to create opportunities and accelerate innovation.

As a member of ACNET-EngTech, Mahidol University has been proud to witness not only the continuation of collaboration and capacity building in such new and difficult conditions, but the renewed resolve with which member universities have committed to empowering communities through development of education, innovation and industry.

On behalf of Mahidol University, I would like to wish all ACNET-EngTech member universities, faculty members, staff and students a happy and hopeful New Year. We look forward to working with you in 2021.



Prof. Banchong Mahaisavariya,
President of Mahidol University, Permanent Secretariat of the
ASEAN side, ACNET-EngTech

Happy New Year

Dear members of ACNET-EngTech:

Happy New Year! Firstly, we would like to send you our warmest greetings and hopes for a healthy and fruitful 2021.

Last year was indeed a challenging one for all of us. Due to the epidemic, our work was often altered, constricted, or postponed. However, rather than hang our heads, we met this challenge with innovation, developing new lines of communication and exchange. This innovation was highlighted by our end-of-year conference in which we added three new members to our robust alliance. We are thrilled to see our circle continue to expand, and we hope for even more cooperation and progress this year.

Thank you again for all of your hard work, and here's wishing you all the best in 2021!



Prof. Hu Wenping
Vice President, Tianjin University
Permanent Secretariat of the Chinese side, ACNET-EngTech

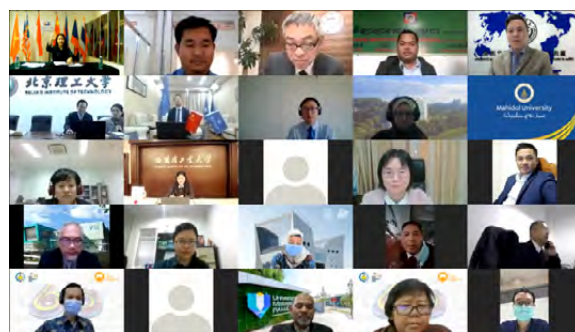
2020 ACNET-EngTech Working Meeting

The 2020 ACNET-EngTech Working Meeting was held online on Dec 18th, 2020, ACNET-EngTech Member Universities and Target Universities attended the meeting.

Firstly, as chairman of China's permanent chairman university from the Chinese side of ACNET-EngTech, Prof. Hu Wenping, Vice President, explained the importance of strengthening cooperation between China and ASEAN (especially cooperation in education and technology) from the perspective of China-ASEAN relations. He also reviewed the work results of 2020 and hopes the alliance can make even greater progress in the future. And then 17 representatives of ACNET-EngTech Members introduced in turn their 2020 work summaries and 2021 work plans.

This year, three universities including the University of Macau, University of Pahang Malaysia, and Tunku Abdul Rahman University College submitted applications for membership. At the meeting, representatives from the three universities first introduced their schools and cooperation activities with relevant members in the alliance, and then the members of ACNET-EngTech voted on the applications for admission of the three institutions. After the vote, the University of Macau formally joined the alliance, and the University of Pahang Malaysia and Tunku Abdul Rahman University College joined as observers. So far, ACNET-EngTech members include 24 universities in 7 countries.

The meeting nominated the Beijing Institute of Technology, the rotating chairman unit for 2020, to continue to serve as the rotating chairman unit in 2021, and the nomination was unanimously approved by the members of ACNET-EngTech. Then, the Beijing Institute of Technology member delivered a speech on the 2021 alliance work plan. If the pandemic is effectively under control, BIT will hold a president's forum with the theme of general education and wisdom education and attract students from the alliance colleges to come to BIT for short-term exchanges through the Students' Belt and Road Technology Innovation Training Camp at Beijing University. BIT will strengthen the sharing of teaching materials and resources and host the 2021 assembly conference.



BRAIA 2020 Council Meeting and General Assembly



The Belt and Road Aerospace Innovation Alliance 2020 Council Meeting and General Assembly was successfully held online on the evening of October 20th, 2020 by Northwestern Polytechnical University (NPU), China and National University of Sciences and Technology (NUST), Pakistan.

Over 130 representatives from 61 universities, enterprises, research institutes and international organizations from 19 countries participated in the meeting. During the meeting, new BRAIA memberships and new regional development center were announced, joint research cooperation projects were approved, and the BRAIA annual work report and future work plan were presented.

BRAIA 2020 Council Meeting and General Assembly Was Held Online

The China Academy of Launch Vehicle Technology, Zhengzhou University, Yanshan University, Beijing FutureSpace Research Institute, East China University of Technology and Global Centre for Compliance, Hazards and Disaster Management (Cameroon) were approved and announced as new BRAIA members in the meeting. As for now, BRAIA has 69 members from 22 countries of 6 continents. Military Technical College, Egypt became the BRAIA Regional Development Center-Africa, following the BRAIA's first Regional Development Center-South Asia.

To further promote substantial joint research cooperation among BRAIA members and generate more fruitful scientific research output, NPU(as the BRAIA Permanent Secretariat) initiated the BRAIA Joint Research Seed Fund Program this year. 5 international scientific teams consisting of 13 BRAIA member universities from 7 countries applied for projects in the domain of composite materials, microsattellites and aerodynamics. These projects were approved by the BRAIA Academic Committee.





ASEAN-China Smart Ocean Practical Program Helps Young Men Explore the High Seas

January 15th, 2021, was a big day for Du Fuqiang, a 27-year-old man from Tanchang county, a formerly poverty-stricken area in China's Gansu province. On this day, Du and 19 other young men, who all hail from China's interior and had never before seen the sea, completed their training to become seafarers at the National Western Maritime Training Base in Shaanxi province. With the completion of their training, they have all gained a pass to explore the world's vast oceans and an opportunity to live a new life.

According to the training plan, the trainees who meet the program's standards will be recruited by famous shipping companies at home and abroad with a promised salary of no less than \$1,600 a month.

The ASEAN-China Smart Ocean Practical Program was organized by the ASEAN-China Smart Ocean Center (ACSOC) at Tianjin University's School of Marine Science and Technology (SMST) and co-sponsored by the Tianjin Maritime Safety Administration, the People's Government of Tanchang County, Yan'an Vocational and Technical College and Tianjin University of Technology. It aims to provide young people from poverty-stricken areas in Gansu province and Shaanxi province with useful skills and new job opportunities.



Du and his fellow classmates arrived at the ASEAN-China Smart Ocean Practical Program four months ago. After finishing the 434 required hours of study and passing five examinations, they have mastered necessary seaman skills, including marine security knowledge, knot tying and heaving lines, and more.

"Thanks to the program, I now have the chance to become a sailor and see a different world from my hometown. The job will also help improve the life of my family," said Du Fuqiang at the closing ceremony of the training program.

"In the future, ACSOC will make full use of our resources in marine education and organize more skill training programs for people in West China, especially those in less developed areas. We believe that helping people find suitable jobs is an efficient way to help them eradicate poverty," said Ling Guowei, the Party secretary of SMST.



A Successful Conclusion to the China-ASEAN Online Program on Data Science and Big Data Analysis

China-ASEAN Online Program on Data Science and Big Data Analysis

35 Students

190⁺ Hours

Xiamen University Malaysia
 University of Malaya
 Sepuluh Nopember Institute of Technology
 Institut Teknologi Sepuluh Nopember
 Sorbonne University
 Tianjin University
 Tsinghua University
 Department of Meteorology and Hydrology
 Aceh Aceh Science and Technology Agency
 Institut Teknologi Sepuluh Nopember
 Shaanxi Normal University Xi'an China

Chinese Culture, Python Foundation for Big Data Analysis
 Social Network Analysis, Big Data Statistics
 Introduction to Data Science
 China-ASEAN Forum
 Named entity recognition task in natural language processing
 Sentiment analysis in natural language processing
 The variational model and algorithm for CT image reconstruction
 Research on Vehicle License Plate Location Technology
 Traffic signal warning
 Deep Learning-based Offloading for Mobile Edge Computing Networks
 Text detection based on the deep learning methods
 Study of face detection methods in image or video

94% of the students are **satisfied** with the program as a whole.
 95% of the students hope to continue participating in such activities and would like to **recommend** them to their friends.

Photos of students receiving certificates: Chan Jin Wei, Yap Teck Lee, Mohd K. Kamarudin, ELOUISE FEAW, Yaping Duan, Vivian Leong, Melissa, BJTiew.

On January 21, the closing ceremony of the China-ASEAN Online Program on Data Science and Big Data Analysis was held online. Students from ASEAN and countries along the Belt and Road route and program teachers gathered again to witness the fruits of their studies and share in the joy of graduation. Hu Wenping(vice president of Tianjin University), Ma Degang (secretary of the party committee of School of Mathematics), Wei Youxiang(deputy director of Office of International Cooperation), and Liu Wenwei(director of Admissions Office of School of International Education) attended the closing ceremony. The closing ceremony was presided over by Liu Na(vice dean of School of Mathematics).



III

Prospective Students




Don't miss the deadline!

CommTECH Online 2021 Spring Edition
 Sub Course A & B: 15 - 26 February 2021
 Sub Course C & D: 1 - 12 March 2021

CommTECH Online 2021 for Spring

This spring, CommTECH provides you with 4 sub courses to choose from:

Sub Course A: Internet of Things (15-26 Feb 2021)

Sub Course B: Sustainability Infrastructure in Developing Countries (15-26 Feb 2021)

Sub Course C: Social Entrepreneurship in Action (1-12 March 2021)

Sub Course D: User Experience Design for Hybrid Learning (1-12 March 2021)

You may visit the following link for further information. <https://www.its.ac.id/international/study-at-its/short-program/commtech-camp/commtech-online-edition/>

Fun Bahasa Indonesia and Cultural Course (FBICC)

Fun Bahasa Indonesia and Cultural Course
basic to pre-intermediate level **BATCH 2021**

***FREE**
open for non-Indonesia nationality

Institut Teknologi Sepuluh Nopember (ITS), a cutting edge technological university in Indonesia, is inviting you to join the Fun Bahasa Indonesia and Cultural Course (FBICC). Indonesia is predicted to be among the top six powerful countries supporting more than 50% of world economic growth in 2025 (World Bank, 2020). Therefore, learning Bahasa Indonesia and Indonesian rich culture will be beneficial for you as a world citizen. FBICC will be held virtually by ITS Global Engagement WITH NO CHARGE. You will learn an introduction to Bahasa Indonesia and cultures across the archipelago. FBICC is open for public, college students, lecturers, and professionals around the globe.

benefit

- credit earning (1 credit)
- certificate
- experience
- partnership

what you learn

- basic Indonesian
- daily conversation
- Indonesian cultural diversities
- Indonesian history
- vocabularies for survival
- city tour using 360° Camera

deadline submission
17 February 2021

registration
bit.ly/itsgefbicc2021

time

- program held 3 times in a year
- March - May | Jun - Aug | Oct - Dec
- every Wednesday
- at 8am / 4pm / 6pm GMT+7
- 90 minutes each meeting
- 11 meetings

testimonials

To thank you for this invaluable experience would be an understatement. Honestly, I have never imagined that I would obtain this much learning about Indonesia. I hope you come up with another edition of FBICC soon.
Abelmar Lylle Baniqued - Philippines

FBICC was really nice. I would like to learn more new stuff and now I want to visit Indonesia after this pandemic. From the bottom of my heart, terima kasih banyak!
Anna Marta Bryfa - Poland

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/ioits itsinternationaloffice
 @its_io ITS International Office

This is one of ITS Global Engagement's breakthrough programs for global citizens to learn Bahasa Indonesia and gain cultural understanding. The previous program ran successfully and was attended by 198 participants from 25 countries around the globe

Detail information: <https://www.its.ac.id/international/e-program-fbicc/>

Registration: <https://bit.ly/itsgefbicc2021>

Experiencing New Normal through 360 Camera



Call For Participants

Experiencing New Normal through 360 Camera

program schedule

every **Saturday**

08:00 - 10:30 **GMT+7**

opening	13 March 2021
	20 March 2021
	27 March 2021
	3 April 2021
	10 April 2021
closing	17 April 2021

prize

full-scholarship for offline program at ITS Surabaya for 5 best participants

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if you are a student who

- never have online & offline international short program experience
- ever have offline & online international short program experience
- ever have only online international short program experience
- ever have only offline international short program experience

we invite you to experience a unique international mobility program with combination of project-based learning and 360 camera technology.

This program is conducted by Institut Teknologi Sepuluh Nopember (ITS) in collaboration with

- Shibaura Institute of Technology (SIT)
- National Taiwan University of Science and Technology (NTUST)
- Suranaree University of Technology (SUT)
- Universiti Teknikal Malaysia Melaka (UTeM)

Are you excited to join?

Find the details of the program below and complete the registration form!

benefits

- international exposure ○
- Indonesian cultural package ○
- certificate of program completion ○

registration

register yourself at this link: bit.ly/registration360ITS
registration deadline: **19 February 2021**



ITS, in collaboration with 4 prominent universities in Asia, is hosting an online international short program with the topic “Experiencing New Normal through 360 Camera” which will be held on 13 March - 17 April 2021. This program allows the participants to experience a unique international mobility program utilizing a combination of project-based learning and 360 camera technology.

Registration:
bit.ly/registration360ITS

Master in Nursing



Ramathibodi School of Nursing, Faculty of Medicine Ramathibodi Hospital

INTERNATIONAL PROGRAM

Partial scholarships Available

Master of Nursing Science Program

Nursing Science

1 Multicultural learning environment

2 Multi-techniques of teaching methods including online classes and interactive virtual classrooms in addition to traditional classes

3 Thesis project in various nursing fields

4 Partial scholarships for those with outstanding English proficiency

Detailed information

<https://www.rama.mahidol.ac.th/nursing/>



scan me

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E-mail: jiraporn.cho@mahidol.edu

Asst.Prof.Dr.Sirirat Leelacharas sirirat.lee@mahidol.edu

Ramathibodi School of Nursing, Faculty of Medicine Ramathibodi ...

Apply online through <https://graduate.mahidol.ac.th>



IV

Members in Snapshot

The Field of Medicine at Mahidol University

Mahidol University is one of the top universities in Thailand. The university is currently ranked 252nd by the QS Global World Ranking and the best in Thailand by the Times Higher Education World University Ranking 2021. In the field of medicine, which is Mahidol University's strongest discipline, Mahidol University is ranked (#101 – 150) by the QS World University Ranking. Mahidol University can be traced back to the foundation of the Siriraj Hospital, which was established as the first medical school and the first institute of higher education in Thailand by his Majesty King Chulalongkorn (Rama V) in 1888. Since then, Mahidol University has been at the forefront of medical and healthcare achievements in Thailand and has expanded into a prestigious multi-disciplinary university, covering numerous fields of discipline related to medicine and healthcare, including medicine, basic and applied sciences, public health, nursing, pharmacy, dentistry, engineering, environment, veterinary sciences, sport sciences, disability studies, management, the hospitality industry, religious studies, social sciences, music and the arts.



The Field of Medicine at Mahidol University



Due to its strength in medicine, Mahidol University has a strong partnership with top research universities and institutions around the world, such as the United Nations, University of Oxford, Harvard University, Johns Hopkins University, University of Cambridge, Kyoto University and Tianjin University. They cooperate to tackle the world's most difficult healthcare problems, such as HIV, cancer, malaria, dengue and tuberculosis through research in medicine, healthcare, science, mathematics and engineering. Recently, Mahidol University has partnered with the University of Bremen to establish a medical informatics research unit to apply artificial intelligence, computer science and engineering to tackling medicine and healthcare problems.



The School of Chemical Engineering and Technology at Tianjin University

The School of Chemical Engineering and Technology (SCET) at Tianjin University has played a key role in driving China's national development by training excellent students and conducting cutting-edge chemical research. Working with core chemical engineering technologies, as well as synthetic biology, green chemical technologies, and new materials for energy, environmental, and engineering uses, the school has fostered cross-disciplinary growth to transform results to productivity and led the advancing chemical engineering education in China.



The School of Chemical Engineering and Technology at Tianjin University

Our mission

We are committed to training excellent students, producing first-class research results, and contributing to national development. With these goals, we have promoted higher education reform in chemical engineering, gathered top-notch faculty members to promote technological innovation, and broadened international collaboration. We have also driven the development of the chemical engineering industry.

Our history

During its 125-year history, Tianjin University has been home to many generations of academic leaders, and a cradle for student training. As early as the 1920s, Peiyang University (the predecessor of Tianjin University) constructed a lecture hall for industrial chemistry, which attracted renowned chemical engineering experts, including Hou Tepang and later, Ding Xuhuai, to work with us. This built a solid foundation for our academic programs and for talents training in chemical engineering. During the nationwide university restructuring in 1952, the merge of chemical engineering departments of seven prestigious universities gathered a group of experts in the field, as well as young talents in Tianjin, further strengthening our status.

In the 1980s, our push to drive industry development via academia-industry collaboration led to our rapid development. From 2003 to 2017, SCET consistently ranked number one in evaluations of chemical engineering and technology disciplines by the Ministry of Education of China. In 2017, we were selected for the national “double first-class” initiative, marking a new chapter of development.



Our program

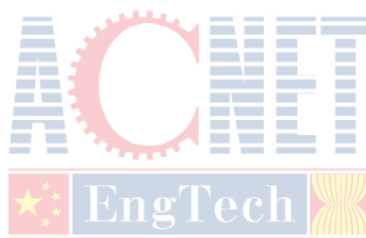
As one of the first two Asian schools (and the first in China) to have achieved the Master Level accreditation by the Institution of Chemical Engineers (IChemE), we boast strong international acclaim. Our graduates become internationally certified, highly competitive chemical engineers.

SCET takes pride in educating world-class engineers who are committed to achieving technical excellence and seeking answers from facts.

A curriculum system was established accordingly to focus on students' problem-solving capabilities. We have also set up an educational platform integrating enterprise practicum, engineering skill training, research, academic contests, and entrepreneurship, supported by our advanced teaching facilities. Our students have won multiple prizes in national and global contests, including the AIChE Outstanding Student Chapter award.

Our leadership role in chemical engineering education is also demonstrated in a partnership with other prestigious Chinese universities designed to improve curriculum development and training for the field. The guidelines and accreditation systems we set for professional training are recognized with national awards.

The broadening of chemical engineering education signifies the new growth of SCET. To date, we have attracted international students from more than 50 countries in six continents, who bring in fresh energy to SCET's programs, enhancing our globalization and diversity.



中国-东盟工科大学联盟

ASEAN-China Network for Cooperation and Exchanges among Engineering and Technology Universities

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about ACNET-EngTech

