

ACNET-EngTech

Newsletter



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2020 ACNET-EngTech Working Meeting

On the afternoon of Dec 18, 2020, ACNET-EngTech held its annual working meeting online. Representatives of 20 member universities from 6 countries participated in the meeting. Prof. Hu Wenping from Tianjin University, the Permanent Secretariat from Chinese side, addressed the meeting.

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Representatives from member universities conducted in-depth exchanges on their cooperation with other members in the alliance in 2020 as well as on the alliance's 2021 working plan. Faced with challenges brought by the COVID-19 epidemic, all members took countermeasures to overcome any adverse effects and to ensure routine operation. During the conference, participants exchanged their views concerning difficulties the alliance had faced and agreed that more efforts should be taken in 2021. To enhance the cooperation on education and scientific research, more attention should be paid to planning work, and mindsets need to be broadened. Meanwhile, the alliance must take practical actions to improve the operational efficiency in a down-to-earth manner.

In 2020, three universities submitted applications to join ACNET-EngTech. After careful deliberation, the ACNET-EngTech Secretariate approved the University of Macau as a new member and Malaysia's Pahang University and Raman University College as observer members. During the conference, members agreed that the Beijing Institute of Technology shall extend its turn at the rotating presidency of ACNET-EngTech into 2021. Then, the Beijing Institute of Technology delivered the working plan for 2021.

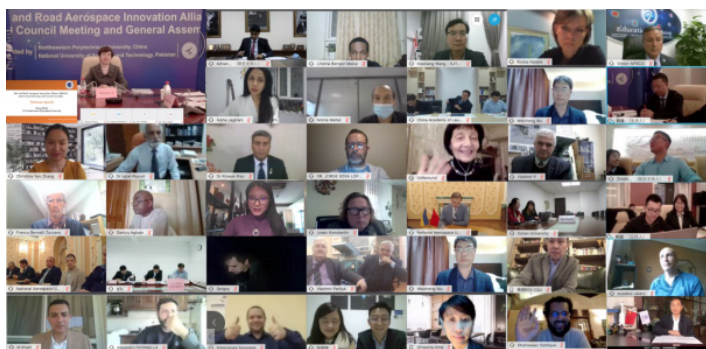
BRAIA 2020 Council Meeting and General Assembly



The Belt and Road Aerospace Innovation Alliance 2020 Council Meeting and General Assembly was successfully held online on the evening of October 20, 2020, by Northwestern Polytechnical University (NPU), China, and the 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 a new regional development center were announced, joint research cooperation projects were approved, and the BRAIA annual work report and future work plan were also presented.

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



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



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

January 15, 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, trainees who meet the program's standards will be recruited by famous shipping companies both 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, the Yan'an Vocational and Technical College and the 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, among others.

"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 to 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 Western China, especially those in less-developed areas. We believe that helping people find suitable jobs is an efficient way to help rid them of poverty," said Ling Guowei, the Party secretary of SMST.



Talented Young Scientist Program - A Report on a Thai Young Scholar's Short-Term Research Visit at Tianjin University

Introduction of the Talented Young Scientist Program

The Talented Young Scientist Program (TYSP) is an international mobility scheme funded by the Chinese government and aimed at cultivating future leading scientists together with other countries. TYSP promotes cross-border exchanges of excellent young scientists, scholars and researchers. It also aims to enhance cooperation among research institutes, universities and enterprises. TYSP offers sponsorships for talented young scientists from other countries to work together with a Chinese team in China on a full-time basis for a period of 6 or 12 months.

For more information, please visit: <http://tysp.cstec.org.cn/en/index.aspx>.

A Report on the Short-Term Research Visit at Tianjin University May 6 – October 31, 2019 By Asst. Prof. Boonsit Yimwadsana, Mahidol University

About the program

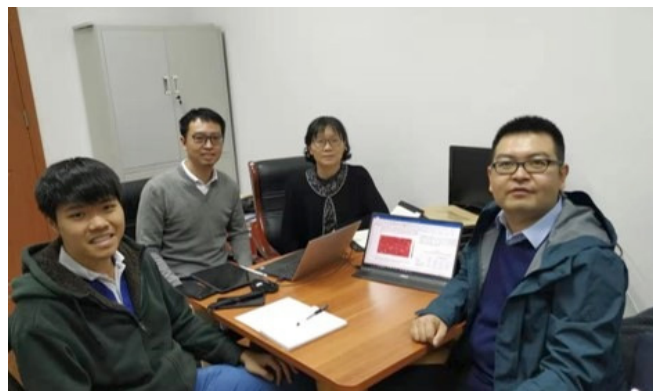
I learned about the Talented Young Scientist Program (TYSP) in late 2018 from my collaborator, Prof. Fu Xiaomei, from the School of Marine Science and Technology, Tianjin University. Prof. Fu invited me to collaborate on a research project with the topic of “Data Processing of Marine Global Navigation Satellite System Beidou Signal for Positioning Application in the Ocean”. The remaining time to complete the application process was quite short and required many seals of approval from high-ranking officials in both partner countries (China and Thailand). Fortunately, we processed all the documents on time thanks to the wonderful support from the School of Marine Science and Technology and all the staff at the school. I then had the opportunity to visit China and Tianjin University under the Talented Young Scientist Program (TYSP) maintained between China and Thailand.

Talented Young Scientist Program - A Report on a Thai Young Scholar's Short-Term Research Visit at Tianjin University

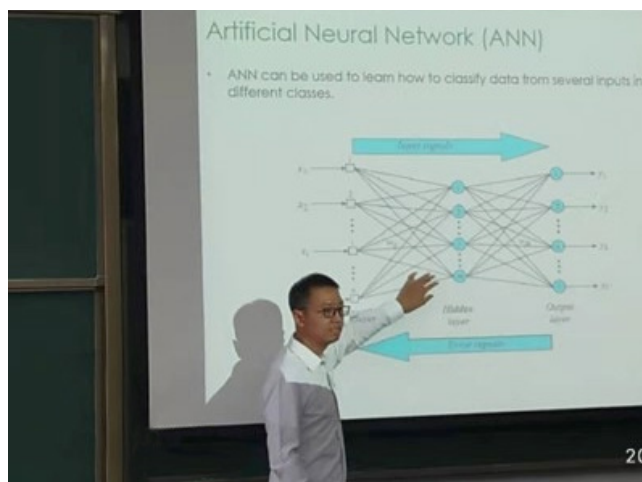
My Visit Experience

My research visit at Tianjin University in China was for 6 months, from May to October of 2019. During that time, I worked with Prof. Fu Xiaomei and Prof. Guo Bofeng who became my research project partners. In the summertime, I supervised and looked after students from Mahidol University who were participating in one of the summer programs arranged by the School of Marine Science and Technology. During my short research visit, I learned a lot about Chinese culture, the city of Tianjin, and the work atmosphere at Tianjin University. I found that China is in fact very modern, and the city of Tianjin is very organized, convenient and lively. People are very friendly and hardworking, especially Tianjin University staff.

My research concerns Data Processing of Marine Global Navigation Satellite System Beidou Signal for Positioning Application in the Ocean. The goal of the research was to distinguish and compare GPS signals received from both ocean and land directions. There had never before been any work that actually compared performance accuracy in the marine environment as well as on land. We hypothesized that the signals received from the ocean direction should suffer more from multipath. After performing the experiments and collecting the data from two different locations (one from the Tianjin area and one from Iceland), we found that the accuracy difference did in fact exist. We were able to distinguish GNSS signal directions and understand the different behavior of the GNSS signals in the marine environment as compared to the land environment using data science and machine learning. Even though the research visit period was short, I learned a lot from working with my collaborators. I also had a chance to meet and discuss with people in the industry working as developers on cutting-edge GNSS satellite technology, which is not common in Thailand. In addition, I had a chance to work with Tianjin University graduate students, develop friendships with Tianjin University's faculty members and students, and understand a bit more about Chinese culture and language, especially how they have become a part of the society that makes China a world leader in technology. I would like to thank Tianjin University's Prof. Fu Xiaomei and Prof. Guo Bofeng and all of the supportive staff at Tianjin University.



Thailand and the People's Republic of China have strengthened their relationship through the Talented Young Scientist Program under the MoU between the Ministry of Science and Technology, Thailand and the Ministry of Science and Technology, People's Republic of China. I am very happy to be a part of this collaboration. One of the objectives of the MoU is partially fulfilled through my involvement in the program, especially with the exchange of knowledge and skills in the fields of satellite technology, computer science and electrical engineering. This allows for the continuation of partnership between the two countries and opportunities for new development projects in these fields.



Invitation to the ASEAN-China Scholar Program

Introduction of the ASEAN-China Scholar Program

The ASEAN-China Scholar Program is a fellowship program initiated by the ASEAN-China Network for Cooperation and Exchanges among Engineering and Technology Universities (ACNET-EngTech) at Tianjin University (TJU). It aims to provide funded exchange chances for ASEAN and China scholars. ASEAN scholars are welcomed to TJU for a short visit ranging from 2-12 weeks. In case an actual visit is not feasible, the alternative can be virtual lectures and seminars. Faculty from ASEAN countries can join TJU faculty online in fields that interest both sides and deliver various courses and lectures to students. The program provides great flexibility to scholars. Specific research projects and academic activities will be determined by participants and the hosting school on a case-by-case basis.

Application Requirements

Applicants should meet the following requirements:

1. Non-Chinese citizens from universities in ASEAN countries; Singapore, Malaysia, Thailand, Indonesia, Brunei Darussalam, Cambodia, Lao PDR, Myanmar, Philippines, Viet Nam;
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. Proficient in oral and written English. Good command of Chinese is a plus.
4. Prior experience working or studying abroad is desirable.

Contact Information

For any question regarding the program, please contact:

ACNET-EngTech Secretariat, Tianjin University:

email: acnet_engtech@tju.edu.cn

Tel: +86-022-85356058

Summer School at Mahidol University



 Mahidol University

SAWASDEE THAILAND VIRTUAL PROGRAM 1-14 JULY 2021

LIVE Thai boxing • Thai cooking • Thai dancing

250 USD

Email: sawasdee.mahidol@gmail.com

Course List

- Introduction to Thailand and Thai Culture
- Characteristics of Thai People
- Everyday Thai Language Skills
- Introduction to Thai Food
- Thai Herbs and Traditional Medical Wisdoms
- Thai Society Through Entertainment Media
- East Meets West: Implication on Thailand and Southeast Asia
- Urban Culture and Digital Culture in Thailand
- Eco-tourism Management

Employability Skills Sessions

- Self-Awareness and Self Esteem
- Intrapersonal Communication



Summer School at Mahidol University

Exclusive Sessions




Exclusive Cultural Exchange with MU students

- Thai Cooking Class
- Thai Boxing
- Thai Dancing



Date	Topics	Teaching methodology	
		Morning	Afternoon 13.00 hr. (GMT+7)
1 st July (Thursday)	Orientation: Introduction to University/ Course/ Coordinators / Grouping / Meeting with MU student buddies		Live Class (60 Mins.)
2 nd July (Friday)	Introduction to Thailand and Thai Culture	Online chapter (50 Mins.)	
			Live Class (120 Mins.)
5 th July (Monday)	Everyday Thai Language Skills	2 Online chapters (45 Mins. / Chapter)	
			Live Exchange Session and Dialogues with instructor (120 Mins.)
6 th July (Tuesday)	East Meets West: Implication on Thailand and Southeast Asia	Online chapter (50 Mins.)	
	Characteristics of Thai People		Live Class (120 Mins.)
7 th July (Wednesday)	Eco-tourism Management Virtual Visit	Online chapter (60 Mins.)	
	Thai Herbs and Traditional Medical Wisdoms	Online chapter (30 Mins.)	
	 Thai Boxing		Live Cultural Session (Start at 15.00) (60 Mins.)

Summer School at Mahidol University

Date	Topics	Teaching methodology	
		Morning	Afternoon 13.00 hr. (GMT+7)
8 th July (Thursday)	Introduction to Thai Food	Online chapter (30 Mins.)	
	Local Thai Food: from The North to The South	Online chapter (60 Mins.)	
	Cooking Class Workshop		Live Cultural Exchange Session (90 Mins.)
9 th July (Friday)	Ethnic and Multicultural Relations 	Online chapter (50 Mins. / Chapter)	
	Live Session Conducted by Culture-based Business		Special Talk by Private Sector (60 Mins.)
12 th July (Monday)	Urban Culture and Digital Culture in Thailand	Online chapter (60 Mins.)	
	Thai Culture and Society through Ent' Media		Live Class & Discussion (120 Mins.)
13 th July (Tuesday)	Preparation for Group Presentation		
	Thai Traditional Dress and Thai Dancing Demonstration		Live Cultural Session (Start at 15.00) (60 Mins.)
14 th July (Wednesday)	Self-Awareness and Self Esteem + Intrapersonal Communication	Online chapter (30 Mins.)	
	Program Wrap-up and Reflection and Group Presentation		Live Session (120 Mins.)

Hiring Information: College English Teachers Needed at Tianjin University

Tianjin University is looking for full-time English language teachers for the upcoming academic year.

1. Qualifications:

- A bachelor's degree or higher with more than two years' experience as an English language teacher
- Native English speaker preferred
- English major preferred
- Under 60 years old

2. Salary: competitive

3. Period: September 2021 to June 2022

4. Location: Tianjin

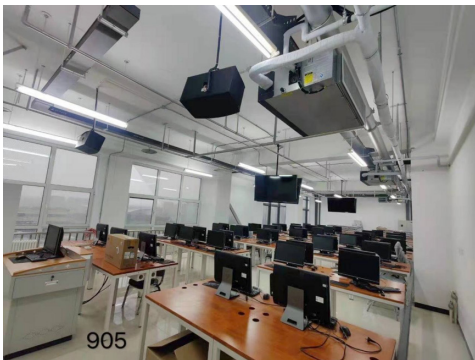
If interested, please send your resume or CV to: fts@tju.edu.cn.

To learn more about Tianjin University, please visit our website:

<http://www.tju.edu.cn/english/index.htm>

Beijing Institute of Technology

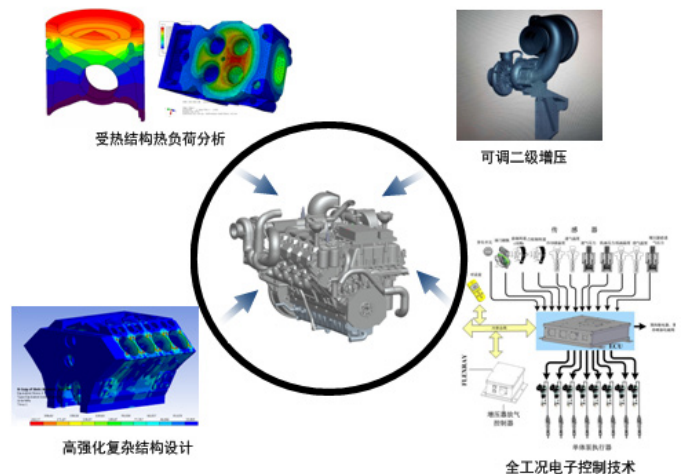
1. Computer Science and Technology



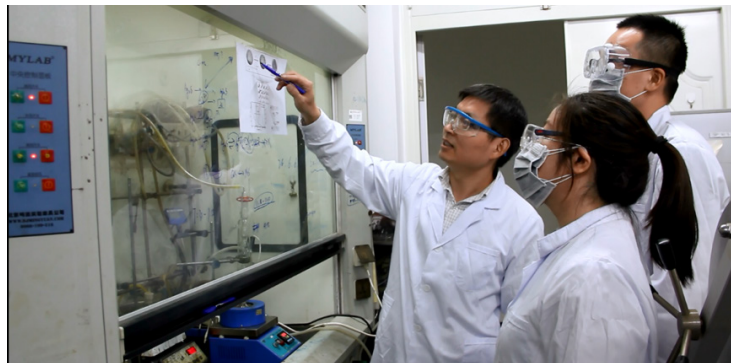
The Beijing Institute of Technology (BIT) was one of the earliest universities in China to provide professional higher education in the field of computer science. The research team has been approved as part of the first batch of national first-class programs and the Top Student Training Base in Computer Science by the Ministry of Education (MoE), China. With 126 faculty members, including 34 full professors and 56 associate professors, the research team has established four advantageous research directions: Data Science and Software Intelligence, Natural Language Processing (NLP) and Social Computing, Computer Vision and Digital Media, and Advanced Network & Information Security.

2. Mechanical Engineering at BIT (ME@BIT)

Mechanical Engineering at BIT (ME@BIT) was one of the first eight national key mechanical engineering research teams in China. It ranked 5th in China in the latest round of discipline evaluations conducted by the Ministry of Education. In 2020, it ranked 4th among the top mechanical engineering programs in the Shanghai Best Chinese Subjects Rankings (China's most recognized academic evaluation system) and 31st in Mechanical Engineering in the US News Rankings. The research team conducts research in 5 major areas: vehicle theory and unmanned vehicles, intelligent connected vehicles and electric vehicles, optomechatronic micro/nano manufacturing, intelligent robotics and systems, and intelligent manufacturing.

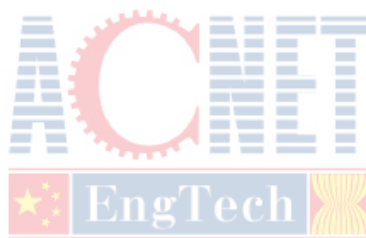


Beijing Institute of Technology



3. Materials Science and Engineering at BIT

Materials Science and Engineering (MSE) at the Beijing Institute of Technology (BIT) has ranked in the top 100 in the QS World University Rankings and US News and Reports Rankings since 2016. It is also among the top 1% globally in ESI. The discipline is pursuing five signature research areas: energetic materials, high-strength structural materials, functional polymers and flame retardant materials, low-dimensional materials and secondary battery materials. It aligns with the frontiers of current scientific endeavors with the mission of creating a materials science and engineering program with "distinctive characteristics, outstanding advantages, a first-rate domestic ranking, and international renown".



中国-东盟工科大学联盟

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

Permanent Secretariat from
ASEAN side

Mahidol University
Tel: +66 2441-0909
Fax: +66 2849-6099
E-mail: boonsit.yim@
mahidol.ac.th

Permanent Secretariat from
Chinese side

Tianjin University
Tel: +86-22-85356058
Fax: +86-22-27401819
E-mail: acnet_engtech@
tju.edu.cn

Official Website:

<http://acnet-engtech.tju.edu.cn/>
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