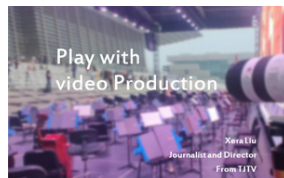# NewsLetter

ACNET
EngTech

中国-东盟工科大学联盟

ACNET-EngTech Special Issue 2020

Editor's Note for Special Issue of ACNET-EngTech Quarterly Newsletter

This year a pandemic has swept across the world, causing unprecedented challenges to the global community. But instead of getting more isolated from each other, we have become even closer due to the widespread usage of online platforms. The world is resetting its methods to suit a new normal. More than ever, we have realized that technology can provide us with increased courage when facing the unknown. So for ACNET-EngTech member universities, more responsibilities will be assumed due to our advanced technological knowhow. And we shall find all that we can achieve with our hands joined and efforts made collectively.
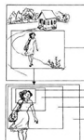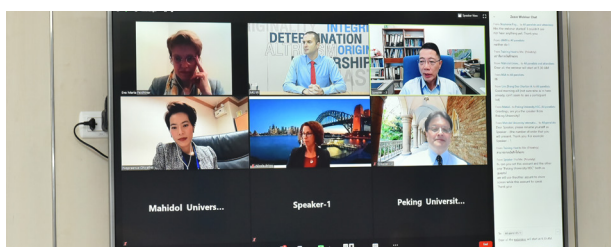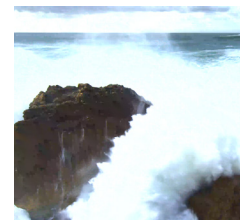
CONTENTS

01 Latest News

02 Upcoming Events

ASEAN-China Smart Ocean Innovation Courses

The first online course for ASEAN-China Smart Ocean Innovation Courses 2020 was held on August 30th of this year. Tan Jun, Director of the National Marine Hazard Mitigation Service under the Ministry of National Resources, and Liu Tianwen, Journalist and Director of TJTV, were invited to give lectures about video production and prevention of ocean-related disasters. Over 150 students participated in the course. In November, the center will conduct two more online innovation training courses with the theme of Marine Interfacial Chemistry and Underwater Date Processing Technology.

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

On September 7th, 2020, Tianjin University held the online opening ceremony for the "China-ASEAN Online Program on Data Science and Big Data Analysis". 35 students and instructors from ASEAN countries such as Malaysia, Myanmar, and Indonesia, as well as other countries along the Belt and Road met online. The project will last for three months to carry out training in data science and big data technology for teachers and students from ASEAN countries, spreading throughout Asia and the countries and regions along the Belt and Road.
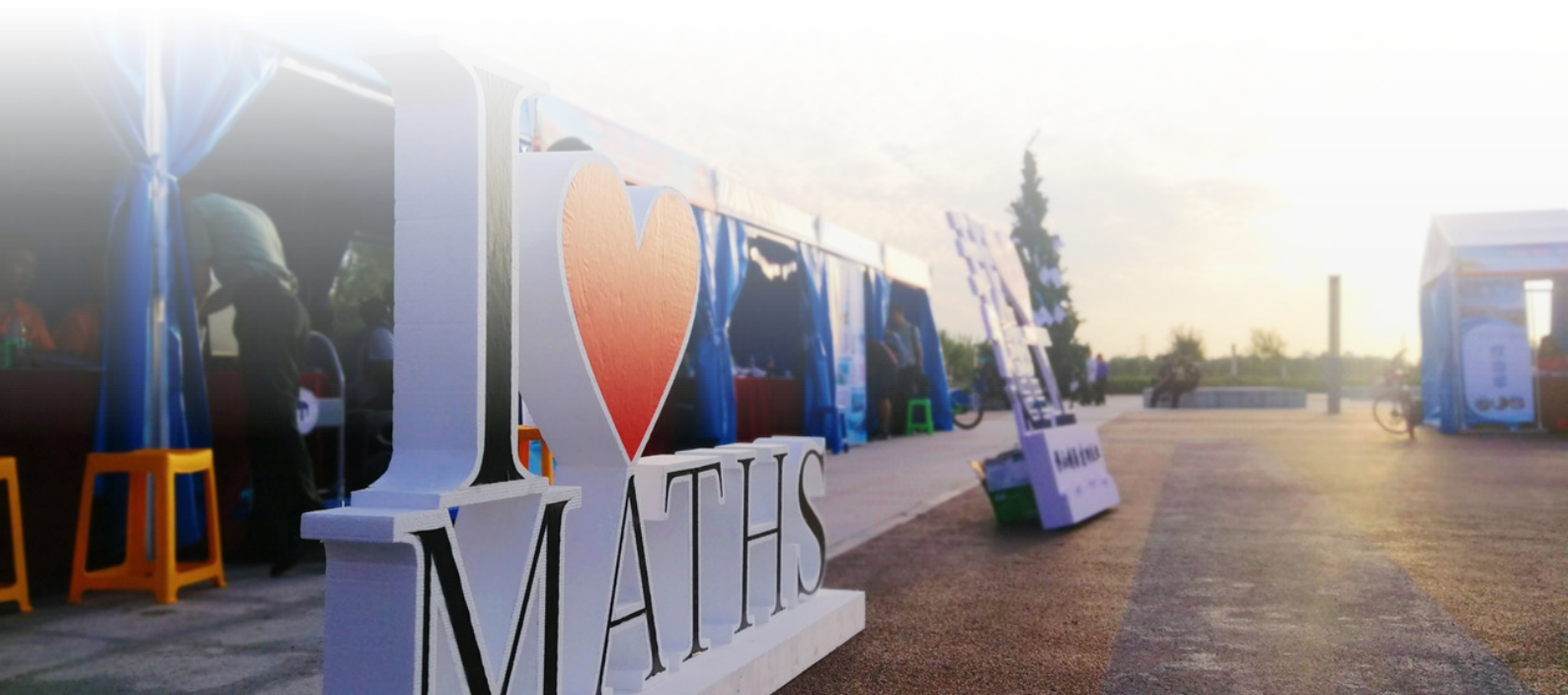
2020 'Learning about Ocean' Student Film Competition (SFC)

June 8th, 2020 was the twelfth World Ocean Day and also the thirteenth National Ocean Day in China. The theme for this year was 'Innovation for a Sustainable Ocean'. In order to review the development and achievements of ocean-related disaster prevention and mitigation in China and ASEAN, the China-ASEAN Smart Ocean Center (CASOC) specially organized the 2020 China-ASEAN "Learning about the Ocean" Student Film Competition (SFC) in July 2020.

Due to the corona crisis, SFC is a completely online film competition for students enrolled in the universities of ASEAN and China. As a part of the China-ASEAN Smart Ocean Program, SFC is designed to give young students the opportunity to share their stories and experiences about the ocean while discovering and enhancing their skills and knowledge. Up to now, over 50 groups of students from 20 different universities in China and ASEAN have participated. They use videos to show the development and achievements of ocean-related disaster prevention and mitigation, presenting the concept of "Smart Ocean" in different regions.

A team of researcher led by Dr.Telly Kamelia, SpPD, KP ,FINASIM, FACP, FCCP from Universitas Indonesia (UI) has successfully developed a tool that can help predict COVID-induced pneumonia cases. This tool is powered by Artificial Intelligence (AI) technology which processes CT-Scans and X-rays through machine learning and deep learning. This system will hopefully help medical professionals in making decisions and diagnoses in regards to COVID-19.

Dr. Telly and colleagues' invention can classify chest radiographs into three categories: COVID-19 pneumonia, non-COVID-19 pneumonia, and normal lungs. Dr. Telly stated, "Our system will hopefully speed up the process of diagnoses and ultimately make it easier for radiologists to monitor COVID-19 patients albeit the increasing workload. In our research, we have only been able to use CT-Scan and X-ray datasets of foreign COVID-19 patients. We are currently collecting datasets of local patients."

UI Vice Rector for Research and Innovations Prof. Dr.rer.nat. Abdul Haris, M.Sc added, "The research on AI-based COVID-19 detection wasn't conducted only by one team of researchers. There were three interdisciplinary teams in UI. The tool's high accuracy demonstrates its excellence." He also said that UI will coordinate with interdisciplinary academia to work hand in hand creating innovations especially in medical devices.

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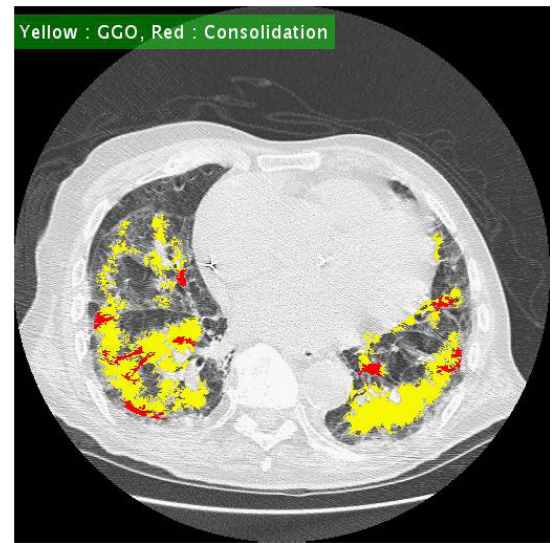
Input
Chest X-Ray Image

CheXNet
121-layer CNN

Output
Pneumonia Positive (85%)

China-ASEAN Smart Ocean Practical Program Launched

On September 22nd, the China-ASEAN Smart Ocean Practical Program was launched at the National Western Maritime Training Base, Shaanxi Province. Jointly organized by Tianjin University, the Tianjin Maritime Safety Administration, the People's Government of Tanchang County, Yan'an Vocational and Technical College, and the Tianjin University of Technology, the program is committed to alleviating poverty through education in impoverished Tanchang County, Gansu Province.

The program will last for four months. Trainees signed a contract with Huayang Maritime Center Co., Ltd., which ensured that they will gain employment after finishing the training, and their salary will be no less than 1300 US dollars per month if they successfully complete the internship.

Virtual Internationalization Showcase

The International Relations Division at Mahidol University organized the Virtual Internationalization Showcase together with partner universities from around the world to share knowledge and experience in creating virtual internationalization events for students and staff. On 22nd September 2020, key strategic partners' representatives (Prof. Zhan Qimin, Executive Vice President, Peking University, P.R. China; Prof. Gemma Masahiko, Vice President for International Affairs and USJI, Waseda University, Japan; Prof. Victor Shim, Associate Vice-President, National University of Singapore; Ms. Nicole Brigg, Pro Vice-Chancellor (International), Macquarie University, Australia; Assoc. Prof. Nopraenue Sajjarax Dhirathiti, Vice President for International Relations and Corporate Communication, Mahidol University, Thailand; Prof. Eva-Marie Feichtener, Vice President International and Diversity, University of Bremen, Germany) all joined and gave presentations, took part in panel discussions, and answered audience questions. Over 300 people watched the livestream of the Showcase.

02

Up-coming Events

ASEAN-China Scholar Program

The ASEAN-China Scholar Program is a fellowship program initiated by the ASEAN-China Network for Cooperation and Exchange among Engineering and Technology Universities (ACNET-EngTech) at Tianjin University (TJU). It aims to provide funded exchange opportunities for ASEAN and China scholars. This year, the program has mainly focused on virtual lectures and courses. We'd like to invite scholars from ASEAN universities to deliver lectures in their areas of study so that mutual interests might be raised and Chinese students could gain a better understanding of ASEAN universities.

For any question regarding the program, please contact:
Ms. DU Yufei, International Program Manager, Tianjin University:
email: acnet_engtech@tju.edu.cn
Tel: 0086-022-85356058

The 2nd China Microsatellite Symposium

The China Microsatellite Symposium is organized to promote microsatellite technology and applications and enhance academic communication and cooperation. The 2nd China Microsatellite Symposium is being co-organized by the Asia-Pacific Space Cooperation Organization (APSCO) and the Belt and Road Aerospace Innovation Alliance (BRAIA) and undertaken by the National and Local Joint Engineering Laboratory for Microsatellite Technology and Application, China.

The theme of the 2nd China Microsatellite Symposium is "Linking with the World•Soaring up to Space".

In view of the impact of COVID-19, the 2nd China Microsatellite Symposium will firstly be presented as a series of aerospace science and technology lectures via the official website of the China Microsatellite Symposium http://www.microsatchina.com. These video lectures will be conducted by leading experts, introducing appealing aerospace science and technology. You can visit the website starting on Nov 15, 2020.

The on-site events of the 2nd China Microsatellite Symposium are being suspended but may be organized again when the pandemic is firmly under control. Announcements will be made accordingly.

Contact info:
Northwestern Polytechnical University: Ms. Liu Rui
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Mobile: 029-88493565

The 6th General Assembly of ACNET-EngTech

The 6th General Assembly of ACNET-Engtech will be held in December by this year's rotating presidency, the Beijing Institute of Technology. Due to the COVID-19 pandemic, this year's General Assembly will be held online. Representatives from all member universities will be welcome to join and discuss the work of ACNET-EngTech during this new-normal.

The time and online platform for the webinar will be forwarded to each member university through email at a later date.

Should you have any questions about the Assembly, please do not hesitate to contact the Secretariats and BIT.

IconStaff 2020

The IconStaff 2020 is one of ITS innovations to strengthen the Non-Academic staff capability amid the pandemic situation. Bringing the theme "Exalting University's Supporting Teams: Celebrating New Ideas," participants of IconStaff 2020 will have the opportunity to share their experience on how a management's top-down policy as well as bottom-up initiatives empower Non-Academic staff thus enhancing staff performances. This conference will also allow participants to bring rich perspectives during the conference, discussion and networking.

For more information please visit: https://www.its.ac.id/international/partnership/inbound-staff-mobility/iconstaff-2020/

This 3-day event consists of a conference, a workshop/a sharing session as well as a chance to establish connection with ITS staff and students. The program will be held by online on the Zoom application.

There is no difference between presenter and participants fees. A university may get 1 free slot for every 4 participants.

Fees:
International participants:
USD 150 per person
Special price of USD 125 per person for ITS Partners only
Indonesian participants:
IDR 1.500.000,- per person.

CommTECH Competition

CommTECH Competition 2020 is expected to be a platform to express creativity and a tool to connect students all over the world to jointly innovate solutions to the COVID-19 affected situations. With this competition, students are expected to pioneering innovations in the field of technology to solve problems and influencing their communities about good life during this pandemic.

This year, we will have 2 competition categories which are:
1. CommTECH Ideas Competition 2020
A creative idea competition that brings technology to solve or overcome Covid-19 affected situations in developing countries.

For more information please visit: https://www.its.ac.idinternational/commtech-competition/

The theme for this competition is "Applied Technology Innovation to Ease Pandemic Affected Situations".
Participants are asked to submit a poster containing their idea/innovation.

2. CommTECH Short Movie Competition 2020
Short movie competition (duration of 3-5 minutes) with the theme: "We Share We Care: Resilience against Covid-19". Movie must be made in English or having English sub-title. Participants must choose one of the following sub-themes:

a.Campaign of economic/social resilience amidst Covid-19 outbreak

b.Daily life tips during the new normal

CommTECH Online

CommTECH online is an opportunity for university students, academics, and professionals from all over the world to learn about community and global issues through a variety of insightful but fun activities virtually. The program includes courses & discussion, virtual social engagement, Indonesian language courses and for sure learning about Indonesian culture.

For more information please visit: https://www.its.ac.id/international/study-at-its/short-program/commtech-camp/commtech-online-edition/

Sub Course D:
Sub Course D: Combating plastic waste through Zero Waste Stores (ZWS): Does it work?
This course will be held on 18, 21, 25, 28 November 2020; 2, 5, 9, 12, 16, 19, 23 December 2020
Deadline registration for sub course D is 31 October 2020

Smart Ocean Big Data Platform

After three years of preparation and deployment, the center is going to complete the construction of China ASEAN smart ocean big data platform by the end of November this year. With the help of artificial intelligence technology, the platform will make it possible to have a closer look at the real-time changes of scientific research achievements of relevant institutions in China-ASEAN region, analyzes the development trend of relevant achievements integrally, assesses the scientific and technological development level and future hot direction of the two sides in the marine domain, promotes the integrated development of big data and marine related industries, allows full play to the guiding function of advanced think tank in the scientific research cooperation and coordinated development of both sides, and responds The Belt and Road Initiative.

Should you have any queries, please don't hesitate to contact Zhang Yifan or Guo Weiqi.
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Email: weiqi.guo@tju.edu.cn
School Of Marine Science And Technology, Tianjin University

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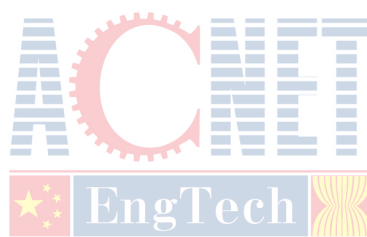
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ASEAN-China Network for Cooperation and Exchanges among Engineering and Technology Universities