

KMUTNB's Graduation Ceremony

On 13th November 2020, at Bangkok International Trade & Exhibition Centre, Bangkok, on behalf of His Majesty the King, H.R.H. Princess Maha Chakri Sirindhorn conferred the degree certificates upon the graduates from King Mongkut's University of Technology North Bangkok for the academic year 2019. Her Royal Highness was welcomed by Prof. Dr. Teravuti Boonyasopon, Chairman of KMUTNB Council Committee, Prof. Dr. -Ing. habil. Suchart Siengchin, President of KMUTNB, and the team of KMUTNB's executives. After the degree certificate conferring ceremony, Her Royal Highness delivered a speech to



congratulate the graduates on the occasion of their graduation and to give suggestions on the life conduct in their future. The total number of the graduates in the academic year 2019 from all three campuses equals to 5,263 persons and can be separated by degree levels as follows: 117 doctoral graduates, 533 master's graduates and 4,613 graduates. Due to the current COVID-19 situation, protective measures were implemented, such as that every attendees had to wear masks all the time.

Chengdu Technological University (CDTU), China

On 15th September 2020, Mrs. Thippawan Supamitkitja, Consul-General of the Royal Thai Consulate-General in Chengdu presided and delivered an opening speech in the virtual meeting between the delegations of KMUTNB and CDTU. The KMUTNB's delegates were led by Prof. Dr. Somrek Chandra-ambhorn, KMUTNB's Vice President for Research while CDTU's team was led by Ms. LI Xi, Director of International Office. The collaboration between both universities will contribute to the Thailand's Government's

effort to develop the Eastern Economic Corridor which is suited with the faculties of KMUTNB Rayong Campus.



From clockwise: Mrs. Thippawan Supamitkitja, Consul-General of the Consulate-General in Chengdu, Ms. LI Xi, Director of International Office, Miss Phimvalanch Moosikaphan, ICC Director and Prof. Dr. Somrek Chandra-ambhorn, KMUTNB's Vice President.

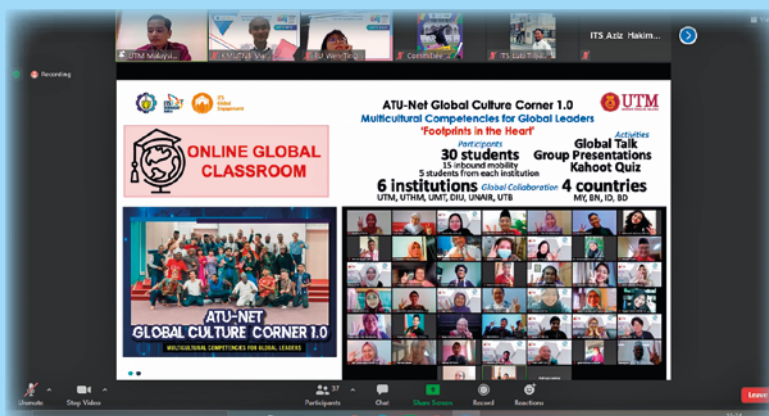
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Academic Cooperation

Institut Teknologi Sepuluh Nopember (ITS), Indonesia

During 2nd – 5th November 2020, International Cooperation Centre's personnel, including Mr. Mario Scacchi, Mr. Parit Phanichakarn and Mr. Thampapon Boontun, Foreign Relations Officers, participated the International



This virtual programs was arranged via Zoom and participated by staff from ITS's partner universities in many countries, such as Thailand, Singapore and Malaysia.

Singapore Polytechnic (SP), Singapore

During 2nd – 30th November 2020, 10 selected students of Faculty of Information Technology and Digital Innovation, College of Industrial Technology, Faculty of Business and Industrial Development, Faculty of



This virtual student exchange programs was arranged via Zoom and SP invited partner universities in many countries to nominate students to participate this programs.

Dresden University of Applied Sciences (Dresden UAS), Germany



Picture from l - r: Prof. Dr.-Ing. habil. Suchart Siengchin, KMUTNB President, Ms. Sikan Kulchonchan, Vice President for International Affairs, Asst. Prof. Dr. Juthamas Choomlucksana, Faculty of Engineering and Dr. Jutharat Pinthapataya, Faculty of Business and Industrial Development

Conference for Non-Academic Staffs: Icon-Staff 2020. The program was organized by Institut Teknologi Sepuluh Nopember (ITS), Indonesia, on the theme “Exalting University’s Supporting Teams: Celebrating New Ideas.” This conference aims to provide a platform for Non-Academic staff the opportunity to share their experiences and exchange perspectives and new ideas in enhancing the Non-Academic staff performances. Also, this is a virtual networking event that brought out a fruitful discussion and was also a means to maintain and enhance the collaborative networks during the pandemic situation.

Engineering, Faculty of Applied Science and Faculty of Engineering and Technology, represented KMUTNB to participate in the “Singapore from Your Home: SP Virtual Exchange 2020.” This program was organized by Singapore Polytechnic (SP) for students in selected Learning Express Partners Universities to join the virtual classroom together with SP and other ASEAN students. In this virtual cultural exchange program, students had a chance to learn, share and exchange insights to their countries and learn more about Singapore. After attending the class, the students would join the breakout session.

On 16th October 2020, at Ratchapruek Room, Navamindra Rajini Building, Prof. Dr. –Ing. habil. Suchart Siengchin, KMUTNB President, Ms. Sikan Kulchonchan, Vice President for International Affairs, alongside with the team of faculty members of Faculty of Engineering and Faculty of Business and Industrial Development attended the virtual meeting with Prof. Dr. Christoph Scholz, Rector of Dresden UAS and his team including Prof. Dr. Marcel Köhler who is a co-ordinator project to discuss about the potential areas for establishing cooperation between both universities.

Academic Cooperation

Chemnitz University of Technology, Germany



Picture: Prof. Dr.-Ing. habil. Suchart Siengchin, KMUTNB President, Prof. Dr. Somrek Chandra-ambhorn, KMUTNB's Vice President for Research, Asst. Prof. Dr. Wanlop Harnnarongchai, a project's co-ordinator, Asst. Prof. Dr. Kittichai Fakpan, Faculty of Engineering and Asst. Prof. Dr. Rungsima Yeetsorn, Science and Technology Research Institute.

On 11th December 2020, at Ratchapruek Room, Navamindra Rajini Building, Prof. Dr. –Ing. habil. Suchart Siengchin, KMUTNB President and the team of KMUTNB's executives had the virtual meeting with Univ.-Prof. Dr.-Ing. habil. Lothar Kroll, Director of Institute of Lightweight Structures, Dr. rer. nat. Isabelle Roth-Panke and their team from Chemnitz University of Technology, Germany. The meeting discussed about the progress of collaboration in the field of sustainable mobility and transport which has been continued and developed for a number of years.

Kyutech Virtual Exchange Program

On 16th December 2020, Faculty of Engineering, KMUTNB cooperated with Kyushu Institute of Technology (Kyutech) to organize the Cross Culture and Robot Academy Introduction 2020. This virtual exchange



Picture from l - r: Asst. Prof. Dr. Amornphan Phunopas, the project's supervisor, Assoc. Prof. Dr. Udomkiat Nontakaew, Dean of Faculty of Engineering and Miss Phimvalanch Moosikaphan, Director of International Cooperation Centre.

program is one of the fruitful outcomes of the long-term collaboration between KMUTNB and Kyushu Institute of Technology, Japan. It is aimed to introduce an overview of Robotics and Thai culture to 40 students of Fukuoka Prefectural Kokura-Nishi High School. The opening ceremony was presided by Prof. Teruhisa Ohno, Dean of Kyutech's Faculty of Engineering, and Assoc. Prof. Udomkiat Nontakaew, Dean of KMUTNB's Faculty of Engineering, and Mr. Hiroaki Takita, Principle of Fukuoka Prefectural Kokura-Nishi High School. This project was supervised by Asst. Prof. Dr. Amornphan Phunopas, Assistant Dean for Robotic Technology, Faculty of Engineering.

Virtual KMUTNB-Kyutech Committee Meeting

On 22nd December 2020, the 1st Liaison Committee Meeting between KMUTNB and Kyshu Institute of Technology, Japan, was held and it was co-presided by Ms. Sikan Kulchonchan, KMUTNB's Vice President for International Affairs, and Prof. Yasunori Mitani, Kyutech's Vice President for International Affairs. Furthermore,



Assoc. Prof. Dr. Udomkiat Nontakaew, Dean of Faculty of Engineering and his team joined the meeting. The representatives from both sides discussed and followed up the progress of their all projects in previous year, especially, the establishment of the KMUTNB-KYUTECH Collaboration Satellite Office at the Faculty of Engineering. Due to Covid-19's situation, each of activities should be reviewed and modified in next year. It will strengthen the academic partnership between KMUTNB and Kyutech.

Academic Cooperation

University of Applied Sciences Bremerhaven, Germany



International College (IC), KMUTNB, together with University of Applied Sciences Bremerhaven, Germany, had launched the Double Degree Program (3 + 1) for students in the International Trade and Logistics Business Program. In this academic year, three selected students went to study at UAS Bremerhaven for one year. When the students graduate they will receive degrees from both universities. This opportunity will broaden the student's perspectives, enable them to be aware of the cultural diversity, and prepare them for their professions in the globalized world.

Coburg University of Applied Sciences, Germany



During 4th October 2020 to 11 March 2021, College of Industrial Technology cooperated with SHAKES BKK CO.,LTD. to offer an internship program to students of Coburg University of Applied Sciences, Germany.

On 4th October 2020, Ms. Laura Scussolini and Mr. Tamino Tissot, the students from Germany, Mr. Prompong Hakk, the copartner of SHAKES BKK CO.,LTD., was warmly welcomed by Ms. Sikan Kulchonchan, Vice President for International Affairs.

Bochum University of Applied Sciences, Germany



At College of Industrial Technology, KMUTNB, Assoc. Prof. Dr. Smith Songpiriyakij, Dean of CIT, and Assoc. Prof. Dr. Rattanakorn Phadungthin, Associate Dean for Lifelong Learning Development, extended a warm welcome to two exchange students from Bochum University of Applied Sciences who study Electrical Engineering and came to do an internship at CIT from December 2020 to May 2021. CIT cooperates with Bochum University of Applied to offer an internship program to students to develop their skills.

Honeywell, USA : Virtual Forum on Around Table



On 19th October 2020, Honeywell, the U.S. company with a reputation for its disruptive innovations for more than 100 years, invited Asst. Prof. Dr. Nawaporn Wisitpongphan, Assistance to the President for Research and Information Technology Development (3rd from l-r), to share her experiences about the role of technology in education when facing with the obstacles of pandemic situation in the virtual HONEYWELL TECH FORUM 2020.

Academic Cooperation

Fern University in Hagen, Germany

On 9th December 2020, at the conference of Central Library, Navamindra Rajini Building, KMUTNB, Prof. Dr.-Ing. habil. Suchart Siengchin, KMUTNB President, Prof. Dr. Ada Pellert, Rector of the Fern University in Hagen, Germany and Dr. Georg Verweyen, Director of the DAAD Information Centre Bangkok co-preside over the virtual event: Unboxing “TheBrain“ organized by the cooperation between



Prof. Dr. -Ing. habil. Herwig Unger, Chair of Communication Networks Fern University in Hagen, is moderating the conference session, attended by KMUTNB President and DAAD Director in the front row.

both universities. The event also was attended by the team of KMUTNB’s executives, and Prof. Dr. -Ing. habil. Herwig Unger, Chair of Communication Networks Fern University in Hagen, was the moderator.

This event also marked the opening of NLP-Lab located at KMUTNB Prachinburi Campus which was established under the collaboration between the two universities and DAAD . The aim of this conference is to exhibit the most recent outcome of the long-term cooperation between the team of Thai and German researchers. The topic emphasizes on New, Decentralized Internet-Technologies to process natural language in form of innovative applications.

Université de Lorraine, France

The project proposed by researchers of KMUTNB has been selected by University of Lorraine, France, to receive financial support. University of Lorraine annually provides research funding to promote international research partnerships, and this year the project proposed by KMUTNB’s researchers in the field of Electrical Engineering is one among other two projects that University of Lorraine chose to support and fund. In the near future, Université de Lorraine and KMUTNB will formalize the mutual agreement and commitment regarding the funding of this project. For more than 20 years, the partnership between KMUTNB and University of Lorraine was established and has been gradually developed. On 20st May 1999, the first MOU between the two universities was signed and since then the two universities have pursued together the path of engineering educational development and the mutual goals to foster the advancement in science



In 2003, KMUTNB collaborated with University of Lorraine to establish Renewable Energy Research Centre and its first director was Prof. Dr. Phatiphat Thounthong. He is the first KMUTNB’s faculty member who is an alumni of University of Lorraine and earned a doctoral degree from there.

and technology. The longer time passes, the stronger and more fruitful this partnership becomes. Nowadays, many cooperative activities have been successfully carried out, such as the joint research and exchange of technologies, human resource development in the form of training or providing scholarships, exchange of academic staff and students, and arrangement of seminars. The recent granting of research funding will contribute to the progress of the Renewable Energy Research Centre, as well as strengthen the long existing academic partnership between the two universities.

Congratulations to Prof. Dr.-Ing. habil. Suchart Siengchin on Re-Election as KMUTNB President and for Being Honoured with the National Distinguished Researcher Award

The KMUTNB community would like to take this opportunity to congratulate Prof. Dr. -Ing. habil. Suchart Siengchin on his re-election for the second four years term of KMUTNB's presidency. Under the leading of Prof. Dr. -Ing. habil. Suchart Siengchin, KMUTNB has recently emerged as Thailand's top university in three subjects and as the top 1001+ among the universities across the world according to the ranking released by Times Higher Education. Obviously, KMUTNB is climbing the ranking steadily,



Even after being in charge of the university's administration, Prof. Dr. -Ing. habil. Suchart Siengchin, has still devoted to the conduct of research.

as it moves up to the 9th place among the universities in Thailand from the 15th place in the previous year, which reflects that the university has successfully improved the quality of research and won higher international recognition. The president emphasizes on the implementation of the Reinventing University Policy to reform the administrative system and develop the university's potential and strength in preparing to transforming development. Focusing on the providing of the excellent education and academic services in sciences and technology, the president also ensures that the university's 20-years development strategy is in line with Thailand's 20-Years National Strategy.



The President closely work with the team of KMUTNB's researchers in conducting research.

Additionally, we would like to congratulate Prof. Dr.-Ing. habil. Suchart Siengchin, KMUTNB President, in an occasion that he was granted a national research award for outstanding researcher from the National Research Council of Thailand (NRCT) under the Ministry of Higher Education, Science, Research and Innovation. NRCT has annually bestowed research awards to promote the advancement of research and innovation, as well as to grant awards as a compliment to Thai researchers and inventors who have significantly made a contribution to the prosperity of the nation and the academic progress of any specific fields. The outstanding researcher awards were devoted to Thai researchers who have constantly dedicated themselves to conduct research in one specific or various academic fields; in addition, the research has to be distinguished and reflects the originality of the researcher. The national outstanding researchers are also widely praised for maintaining the highest ethical standards and principles in the conduct of their researches that promote academic advancement and economic prosperity.



The outcomes of the President's and his team's research resulted in many academic books in the field of Material Engineering.

Campus News

KMUTNB sits in THE World Ranking by Subject 2021



King Mongkut's University of Technology North Bangkok (KMUTNB) has been ranked among the world's leading higher educational institutions that are internationally recognized in the ranking released by Times Higher Education, the United Kingdom's leading publication in the field of higher education. Times Higher Education annually publishes THE World University Rankings by Subject. In 2020, KMUTNB has been ranked in three fields as follows: Thailand's No. 4 in Computer Science and the top 601-800 universities across the world, Thailand No.'s 6 in Physical Science and the top 1000+ universities across the world, Thailand's No. 7 in Engineering and the top 801-1000 universities across the world.

KMUTNB Ranked Among The TOP 10 Thailand's Universities in 2021

Quacquarelli Symonds (QS), a British company specialising in the analysis of higher education institutions around the world, ranked KMUTNB among the top 10 Thailand's universities in 2021, and No. 189 in academic reputation and No. 137 in employer reputation among universities across Asia.



KMUTNB Faculty Members Recognized as the World's Top 2% of the World Researchers by Stanford University

KMUTNB faculty members are listed among the top 2% researchers across the world by Stanford University, one of the world's most prestigious institutions. There are 2 lists of 5 KMUTNB researchers as following details below:

The list is recognized on the basis of the career-long citation impact of their published research.



*Prof. Dr. Phatiphat Thounthong,
the Department of Teacher Training in
Electrical Engineering, Faculty of
Technical Education.*



*Assoc. Prof. Dr. Montree Siriprachyanun,
the Department of Teacher Training in
Electrical Engineering, Faculty of Technical
Education.*

The list is recognized based on the citation impact of their work for the single calendar year of 2019.



*Prof. Dr. Phatiphat Thounthong,
the Department of Teacher Training in
Electrical Engineering, Faculty of
Technical Education.*



*Assoc. Prof. Dr. Chutipphon Pukdeboon,
the Department of Mathematics, Faculty
of Applied Science.*



*Dr. Sanjay Mavinkere Rangappa,
Academic Enhancement Department,
Office of the President.*



*Prof. Dr. -Ing. habil. Suchart Siengchin,
Materials and Production Engineering
Program of the Sirindhorn Interna-
tional Thai-German graduate School
of Engineering (TGGS).*

RWTH Aachen University, Germany: Renew MoU

On 18th December 2020, Prof. Dr.-Ing. habil. Suchart Siengchin, KMUTNB President, and Prof. Dr.- Ing Nisai Fuengwarodsakul, TGGGS Dean, represented KMUTNB's side to sign the renewal of MOU with RWTH Aachen University represented by its rector, Univ.-Prof. Dr. Ulrich Rüdiger. This MOU was aimed to promote



Picture from l - r: Prof. Dr.-Ing. habil. Suchart Siengchin (2nd), KMUTNB President, and Prof. Dr.- Ing Nisai Fuengwarodsakul (3rd), TGGGS Dean, and Assoc. Prof. Dr. Tawiwat Kangsadan (4th), TGGGS Associate Dean for Academic Affairs and Quality Management.

and strengthen the 15-year fruitful academic partnership between both universities which had started since the establishments of Thai-German Graduate School in 2005. Recently, among many other collaborations, TGGGS and RWTH Aachen University had launched a double degree program which offer an opportunity to TGGGS's graduate students to study and conduct research at RWTH Aachen University, the German university with a long history and a reputation in engineering education. This double degree program will produce invaluable workforce in engineering and technology to serve the country and the society.

Full Scale Crash Test at ASAE-RC, KMUTNB Prachinburi campus

On 21st December 2020, the Automotive Safety and Assessment Engineering Research Center (ASAE-RC) TGGGS, organized the demonstration of a frontal full-scale crash test to promote the knowledge in crash testing and exhibit the latency of crash testing abilities. ASAE-RC is located at King Mongkut's University



of Technology North Bangkok Prachinburi Campus, with a testing area of 200,000 square meters and a high potential of vehicle safety testing services. As ASAE-RC has developed collaborations with various partners so that this exhibition was supported by the partner as follows: Aeroklas Co., Ltd. supported a tested vehicle, Photron (Japan) provided high-speed cameras, Kyowa-Dengyo (Thailand) assisted measurement technique and and KLISTER

(Thailand) provided partial financial support. The main objectives of this exhibition are to develop a performance of vehicle crash testing in Thailand and improve industrial competencies.

This demonstration was arranged at KMUTNB Automotive Test Track at KMUTNB Prachinburi campus as one among many activities to promote and bring public awareness of the importance of the automotive safety, and it attracted a wide range of attendants form the academic and industrial sectors.

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