



International News

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KMUTNB's Commencement Ceremony

On 14th November 2019, at Bangkok International Trade and Exhibition Centre, Her Royal Highness Princess Maha Chakri Sirindhorn, on behalf of His Majesty the King, graciously conferred the degree certificates upon the graduates from King Mongkut's University of Technology North Bangkok for the academic year 2018. On this occasion, Her Royal Highness conferred three honorary degrees to three eminent persons in acknowledgement of their contributions to the progress of KMUTNB and the prosperity of the

nation, including Dr. Sangchai Chotchuangchutchaval, Honorary Doctor of Philosophy in Industrial Engineering, Prof. Dr. -Ing. habil. Herwig Unger, Honorary Doctor of Philosophy in Information Technology and Prof. Dr. Gerhard Maximilian Feldmeier, Honorary Doctor of Business Administration in Industrial Business Administration. The graduates from KMUTNB and the affiliated institute who received degree certificates in this academic year amounted to 5,374 which was comprised of 104 Ph.D, 574 Masters and 4,696 Bachelors. After the graduation ceremony, Her Royal Highness Princess Maha Chakri Sirindhorn delivered the commencement address to the graduates.



Picture: from l-r : Prof. Dr. Teravuti Boonyasopon (1st), Chairman of KMUTNB Council and Prof. Dr. -Ing. habil. Suchart Siengchin (3rd), KMUTNB President are following Her Royal Highness Princess Maha Chakri Sirindhorn (2nd) to the auditorium.

The 44th ASAIHL Thailand Conference



Siengchin, President of KMUTNB and then Prof. Dr. Suchatchavee Suwansawat, President of KMITL and ASAIHL Thailand, gave an opening speech. This conference is the platform for researchers, lecturers and students from various universities to share their knowledge and exchange their experiences. ASAIHL has 254 member institutions in 28 countries.

On 12th December 2019, at Arnoma Grand Hotel, Bangkok, King Mongkut's University of Technology North Bangkok organized the 44th ASAIHL Thailand Conference. In the opening ceremony, the welcome remark was delivered by Prof. Dr.-Ing. habil. Suchart

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Academic Cooperation

The KMUTNB University Council unanimously agreed to confer Honorary Doctorates to three eminent persons in acknowledgement of their outstanding contributions and dedications to support KMUTNB's endeavor to improve academic productivity or continuous support of academic cooperation which directly benefits students and personnel of the institution as well as the society at large.



Dr. Sangchai Chotchuangchutchaval takes on multiple roles as engineer, researcher, technologist, executive and expert who puts emphasis on the integration of technology and engineering knowledge with industrial business concepts, which relatively helps the country to progress. In regards to his innovation, Dr. Sangchai Chotchuangchutchaval has been actively involved in the development of science and technology integration practices and is currently the Chief Executive Officer of Patkol's group, a national and Asia-Pacific regional leader in different businesses.



Prof. Dr.-Ing. habil. Herwig Unger, the Faculty of Mathematics and Computer Science, FernUniversität in Hagen, Germany, was granted the honorary doctorate in recognition of his active involvement and dedicated contributions to the education at KMUTNB since 2007. He initiated the academic cooperation between KMUTNB and Fern Universität in Hagen, whereby the primary memorandum of academic cooperation between both institutions was signed in 2008. Since then he has served as Coordinator of the Cooperation Program and undertook numerous development programs.



Prof. Dr. Gerhard Maximilian, Vice Rector for Research, Transfer, and International Relations of Hochschule Bremerhaven, University Applied Sciences, Germany, is the key partner, whose effort in developing the partnerships contributes greatly to bring forth the fruitful mutual academic cooperation. Moreover, Prof. Dr. Gerhard Maximilian Feldmeier is recognized as an important contributor to the establishment of the "Double Degree (3+1) Thai-German" program in International Trade and Business Logistic at the International College of KMUTNB.



Picture: Representatives of KMUTNB Administration congratulate and take a group picture with 3 recipients of KMUTNBs honorary doctorates. From l-r : Prof. Dr. Teravuti Boonyasopon (10th), Chairman of KMUTNB Council, Prof. Dr.-Ing. habil. Herwig Unger (11th), Dr. Sangchai Chotchuangchutchaval (12th), Prof. Dr. Gerhard Maximilian Feldmeier (13th) and Prof. Dr. -Ing. habil. Suchart Siengchin (14th), KMUTNB President.

Academic Cooperation

2019 Research, Invention and Innovation Congress (RI²C 2019)



Picture from l-r: Prof. Dr. -Ing. habil. Suchart Siengchin (6th), KMUTNB President, Prof. Dr. Somrerk Chandra-ambhorn (7th), Vice President for Research and Information Technology Development, Prof. Dr. Phatiphat Thounthong (1st), Director of Science and Technology Research Institute, KMUTNB and KMUTNB Administratos take a group picture with honor keynote speakers at the opening ceremony.

During 11th – 13th December 2019, Science and Technology Research Institute (STRI) , KMUTNB, organized the 2019 Research, Invention and Innovation Congress (RI²C 2019) at Arnoma Grand Hotel, Bangkok. Prof. Dr. -Ing. habil. Suchart Siengchin, KMUTNB President, presided over the opening ceremony of the conference which was a platform for lecturers, researchers and students to present their research to the academic community. Moreover, the conference was also aimed to promote the academic network and encourage the researchers to share knowledge and exchange experiences which would lead to the advancement of knowledge in the area of invention and innovation. The keynote speakers in the conference were internationally recognized researchers, such as Prof. Ashwani K. Gupta, University of Maryland, USA, Prof. Dr. Babak Nahid-Mobarakeh, University of Lorraine, France, Prof. Dr. Joachim Kaschta, University of Erlangen-Nürnberg, Germany, Prof. Dr. Oh Seok Kwon, Korea Research Institute of Bioscience & Biotechnology, and Assoc. Prof. Dr. Yu-Shen Cheng, National Yunlin University of Science and Technology, Taiwan and etc.

Texas Tech University, USA



On 17th December 2019, at Ratchaphruk Room, Navamindra Rajini Building, Prof. Dr. -Ing. habil. Suchart Siengchin, KMUTNB President, warmly welcomed delegates from Texas Tech University, USA led by Prof. Dr. Al Sacco, Dean of the Edward E. Whitacre Jr. College of Engineering, Prof. Dr. Rattikorn Hewett and Assoc. Prof. Vira Chankong, Case Western Reserve University, USA.

Picture: from l-r of back row: Prof. Dr. Somrerk Chandra-ambhorn (4th), Vice President for Research and Information Technology Development, Assoc. Prof. Dr. Udomkiat Nontakaew (5th), Dean of Faculty of Engineering, Prof. Dr. -Ing. habil. Suchart Siengchin (6th), KMUTNB President, Prof. Dr. Al Sacco (7th), Texas Tech University, Prof. Rattikorn Hewett (8th), Texas Tech University and Assoc. Prof. Dr. Vira Chankong (10th), Case Western Reserve University, USA.

On this occasion, Prof. Dr. Al Sacco and his team had a meeting with the administrative team of Faculty of Engineering, KMUTNB to discuss the potential to initiate the collaboration in the fields of Engineering in the near future.

Academic Cooperation

MoU with University of Vienna, Austria



Picture from l-r: Asst. Prof. Dr. Hathairat Ketmaneechairat (1st), Asst. Prof. Dr. Maleerat Maliyaem (2nd), 2 KMUTNB lecturers who receiving scholarships, Prof. Dr. Gerald Quirchmayr (3rd), Assoc. Prof. Dr. Phayung Meesad (4th), Dean of Faculty of Information Technology and Digital Innovation and Ms. Sikan Kulchonchan (5th), Vice President for International Affairs.

During 18th–21st 2019, Prof. Dr. Gerald Quirchmayr visited KMUTNB and had a meeting with Miss Sikan Kulchonchan, Vice President for International Affairs and Assoc. Prof. Dr. Phayung Meesad, Dean of Faculty of Information Technology and Digital Innovation, at International Cooperation Center, to discuss about progress of cooperation, the renewal of MOU and a scholarship for research stays under ASEA-UNINET SP24 program, which was granted to 2 KMUTNB lecturers which was supported by Prof. Dr. Quirchmayr. Since 2015, Prof. Dr. Quirchmayr is a coordinator of the cooperative projects between University of Vienna and KMUTNB of which were implemented in accordance to the 2nd MOU between two universities. Each year he is invited to be a guest lecturer and a supervisor for PhD students at the Faculty of Information Technology and Digital Innovation.

MoU with Soutsaka College of Management and Technology (SCMT), Laos



Picture: from l-r of sitting row: Ms. Vanhkhham Souligna (2nd), President of Soutsaka College of Management and Technology, Assoc. Prof. Dr. Surapun Yimman (3rd), Dean of Faculty of Applied Science and Asst. Prof. Dr. Akara Prayot (4th), Head Department of Computer and Information Science, KMUTNB.

On 13th December 2019, at Soutsaka College of Management and Technology, Vientiane, Laos, Assoc. Prof. Dr. Surapun Yimman, Dean of Faculty of Applied Science, KMUTNB leaded his administrative team to represent KMUTNB in the Memorandum of Understanding Signing Ceremony which is aimed to establish the academic cooperation in the development of curriculum, human resource development and student mobility between King Mongkut's University of Technology North Bangkok and Soutsaka College of Management and Technology, Laos. Robot Competition for students and the training for teacher will start after their signing MoU.

Western Sydney University, Australia



Picture from l-r: Assoc. Prof. Dr. Pichet Sriyanyong (1st), Prof. Dr. Amir Mahmood (2nd), Asst. Prof. Dr. Nipa Ouppara (3rd), Dr. Za Manaf (4th) and Ms. Achareeya Robkit (5th), Associate Dean for Academic and Student Affairs of International College.

On 27th November, 2019, a delegation from Western Sydney University, Australia, including Prof. Dr. Amir Mahmood, Dean of School of Business, Asst. Prof. Dr. Nipa Ouppara and Dr. Za Manaf visited KMUTNB. Delegates from Western Sydney University were warmly welcomed by Ms. Sikan Kulchonchan, Vice President for International Affairs, and had a meeting with Assoc. Prof. Dr. Pichet Sriyanyong, Dean of International College (IC) and his administrative team to discuss the potential for future academic collaboration in Dual Program in Business and student exchange at the meeting room of the International College.

Academic Cooperation

Kyushu Institute of Technology (Kyutech), Japan



Picture from l-r: Assoc. Prof. Dr. Udomkiat Nontakaew (3rd), Dean of Faculty of Engineering, Prof. Dr. -Ing. habil. Suchart Siengchin (4th), KMUTNB President, Prof. Dr. Yuji Oie (5th), Kyutech President, Dr. Somrerik Chandra-ambhorn (6th), KMUTNB Vice President for Research Affairs, Prof. Dr. Teruhisa Ohno (8th), Kyutech Vice President for International Affairs and Prof. Dr. Masaki Fuchiwaki (10th), Director of the Kyutech Satellite Office at KMUTNB.

The meeting was held to strengthen the academic cooperation between two universities and explore the potential to establish new collaboration in student exchange, double degree program and joint research project. KMUTNB is going to hold the 3rd International Conference on Engineering Innovation (ICEI 2020) in Pattaya, Thailand, and Kyutech agreed to be a co-organizer of this event. Two Kyutech professors, including Prof. Dr. Teruhisa Ohno, Department of Chemical Engineering and Prof. Dr. Mengu Cho, Department of Space System Engineering, are invited to be keynote speakers in the conference.

University of Tokyo, Japan



On 1st October 2019, Prof. Dr. -Ing. habil. Suchart Siengchin, KMUTNB President, and the team of administrators, consisting of Prof. Dr. Somrerik Chandra-ambhorn, Vice President for Research Affairs, Assoc. Prof. Dr. Udomkiat Nontakaew, Dean of Faculty of Engineering, and faculty members, visited the University of Tokyo and was welcomed by Prof. Dr. Shinichi Nakasuka (2nd from l-r), Director of Intelligent Space System Lab, Aeronautics & Astronautics Department who strongly supports the KMUTNB small satellite project. The University of Tokyo has a satellite research center which is one of the leading research centers in satellite in Japan.

Fern University in Hagen, Germany

During 25th-28th December 2019, Prof. Dr.-Ing. habil. Herwig Unger (1st of far right) and PD.Dr. Mario Kubek (2nd of far right), Fern University in Hagen visited the Faculty of Industrial Technology and Management (FITM), KMUTNB Prachinburi Campus, in order to follow the progress of the MRS project (Medical Recommender System), a new international project, which is implemented by Assoc. Prof. Dr. Anirach Mingkhwan (1st of the right row), FITM Dean. The scientists are working together to develop a new kind of medical recommender system which will help physicians to find the right diagnosis even for complex disease by their symptomatic representation in an interactive process.



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Campus News

KMUTNB Students won the First Place in the 2nd International College Student Invitational Competition Technology Simulation of High-Speed Railway Construction, China

On 13th November 2019, at Ratchaphruk Room, Navamindra Rajini Building, Prof. Dr. –Ing. habil. Suchart Siengchin, KMUTNB President, congratulated the team of KMUTNB students for winning the first prize in the 2nd International College Student Invitational Competition of Technology Simulation for High-speed Railway Construction at Central South University, China. The team's supervisors included Asst.



From l-r: Prof. Dr. –Ing. habil. Suchart Siengchin (6th) congratulate to the KMUTNB team consisting of Asst. Prof. Dr. Sakda Katawaethwarag (4th), FTE, Asst. Prof. Dr. Nattapong Makaratat (5th), CIT, Assoc. Prof. Dr. Pairote Stirayakorn (7th), Dean of FET, Assoc. Prof. Smith Songpiriyakij (8th), Dean of CIT and KMUTNB students team.

Prof. Dr. Sakda Katawaethwarag, Faculty of Technical Education (FTE) and Asst. Prof. Dr. Nattapong Makaratat, Lecturer, College of Industrial Technology (CIT). This international competition was participated by 28 teams from 8 universities in China, German and Thailand, including Gottfried Wilhelm Leibniz Universität Hannover, Tongji University, Southeast University, Lanzhou Jiaotong University, Hunan University, Southwest University and Central South University.

Campus France Tour 2019, French Embassy

On 1st October 2019, at Meeting Room 704, Thai-French Innovation Institute Building, Asst. Prof. Dr. Wattana Kaewmanee, Director of Thai-Frence Innovation Institue presided over the opening of



Campus France Tour 2019. At KMUTNB, each year French embassy in Thailand organized Campus France Tour in order to promote higher education in France. French team presented information concerning graduate programs, post-graduate and doctoral programmes of higher education institutions in France and various kind of French scholarship to KMUTNB students, researchers and lecturers.

Tokyo City University, Japan

During 2nd -10th December 2019, Assoc. Prof. Dr. Krit Angkeaw, Associate Dean for Student Affairs, Graduate College led ten KMUTNB graduate students from Faculty of Engineering, Faculty of Technical Education, Faculty of Applied Science, College of Industrial Technology, Faculty of Information



and Digital Innovation, Faculty of Agro-Industry, Faculty of Science, Energy and Environment. They were invited to participate the Japan-Asia Youth Exchange Program in Science which is supported by Japan Science and Technology Agency at Tokyo City University, Japan. During the exchange program, they visited and worked in the laboratories of the Faculty of Knowledge Engineering, Tokyo City University.

Campus News

The University of Electro-Communications (UEC), Japan

During 20th -26th October 2019, ten of selected students from Department of Materials and Production Technology Engineering, Faculty of Engineering and Asst. Prof. Dr. Nuttaphong Sornsuwit, a supervisor were invited to participate SAKURA Exchange Program in Science at the University of Electro-Communications, Tokyo, Japan where student of 2 universities presented their research topics. So the students and professors from both universities could exchange, discuss and share the idea on their study.



Picture: On 23rd October, 10 KMUTNB students and a supervisor had an honorary opportunity to pay a courtesy visit to Mr. Hagiuda Koichi (center of back row), the Minister of Education Culture Sports Science and Technology (MEXT).

Hochschule Bremerhaven, Germany

On October 2019, Prof. Dr. Gerhard Feldmeier (5th from l-r), Vice Rector for Research, Transfer, and International Relations, Hochschule Bremerhaven gave a warm welcome to 5 students from the International College, KMUTNB who went to study at Bremerhaven for one year. They majored in the International Trade and Logistics business and join the Double Degree Program (3 + 1). The students who graduate in the program will receive a degree from both universities by studying at KMUTNB for 3 years and at the Hochschule Bremerhaven for 1 year.



Hochschule Bochum, Germany

During May-October 2019, Hochschule Bochum, Germany, provided the Cooperative Education Program for three students from the College of Industrial Technology, KMUTNB. The educational program enabled KMUTNB students to get hands-on experience in their field of study through working at Electric and Robots Labs.

The supervisors of this program were Prof. Dr. -Ing. Arno Begmann (1st from l-r) and Prof. Dr. -Ing. Burkhard Bock (5th from l-r).



Hochschule Esslingen, Germany

During May-October 2019, three students from College of Industrial Technology participated the Co-op Program at Power Electronics Lab, Hochschule Esslingen, Germany.

They were supervised by Mr. Christoph Cheshire (2nd from l-r) PhD. Candidate and Prof. Dr.-Ing. Ulrich Ammann (4th from l-r) This program was aimed to complement the students' formal education with practical work experience directly related to their major in Electronics Engineering.



The 1st European ASEAN Workshop on Modern Antennas for IoT and Smart City



On 8th and 11th of November 2019, at TGGGS Building, 3rd floor, the Sirindhorn International Thai-German Graduate School of Engineering organized “The 1st European ASEAN Workshop on Modern Antennas for IoT and Smart City.” This event consisted of a conference, workshop and special lectures from internationally recognized specialists from Malasia, Singapore, Poland and Germany. The workshop was aimed to enhance collaborations between EU and

ASEAN researchers in Antenna Propagation of IoT and Smart City applications, to promote industrial R&D in Thailand, to tackle global and regional challenges in Smart Cities.

TGGGS Researcher won Gold Prize at Seoul International Invention Fair 2019



During 27th – 30th November 2019, at Seoul, South Korea, Assoc. Prof. Dr. Rapeephun Dantungee, Lecturer and Researcher of Materials and Production Engineering Department, The Sirindhorn International Thai-German Graduate School of Engineering, participated in the “Seoul International Invention Fair 2019,” and he won a Gold Medal for “Anti-Ant and insect Masterbatch,” which is invented to repel ant and insect from inhabitant areas. The Seoul International Invention Fair 2019 is one of the largest annual invention fairs in the world organized by the Korea Invention Promotion Association (KIPA), a company established under the provision of the Invention Promotion Act, which is the only organization in Korea that has promoted inventive activities since 1973.

TGGGS Lecturer won the Best paper award at the 44th ASAIHL Thailand Conference



On 12th December 2019, at The 44th ASAIHL Thailand Conference, Assoc. Prof. Dr. Tawiwan Kangsadan (1st of left), TGGGS Associate Dean for Academic Affairs and Quality Management presented the country report on the topic of “International Collaborations with Thai Universities for International Graduate Study Program in Engineering.”

She was selected by Office of Secretariat, Association of Southeast Asian Institutions of Higher Learning of Thailand and Office of The Higher Education Commission to be

the representative from Thailand and region at ASAIHL International Conference 2020 during June 18th -19th, 2020, at University of Warsaw, Poland. In the report which she presented in the conference, the international collaborations in the postgraduate engineering program between Thai and foreign universities are summarized with the main emphasis on the German Education Engineering Model that has been practiced at TGGGS focusing on the industrial oriented education and research.

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King Mongkut's University of Technology North Bangkok
1518 Pracharat 1 Rd., Bangsue, Bangkok 10800, Thailand
Tel: +66 (0)-2-555-2000 ext. 1024, Fax: +66 (0)-2 586-9007



EDITORIAL TEAM

Prof. Dr. Teravuti Boonyasopon, Advisor
KMUTNB International News Committee

Send news, questions and comments to: icc@kmutnb.ac.th