

Certificate Awarding Ceremony “AdA International–Train the trainer”



On 11 November 2022, Dr. Roland Wein (1st on the top right corner), Executive Director, German – Thai Chamber of Commerce (GTCC), Mr. Hans-Ulrich Südbeck (2nd), Deputy Chief of Mission, German Embassy in Bangkok, and Assoc. Prof. Dr. Sumet Umchid (3rd), Assistant to the President for Academic Affairs and Quality Assurance, co-presided over the Certificate Ceremony of the AdA International – Train the Trainer. The program was arranged for the teachers of the Thai-German Pre-Engineering School, as it is the university’s policy that every teacher of the school has to be accredited by the German quality standard.

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The Delegates from French Embassy to Visit KMUTNB



of TFII for Academic Service and Research and the team of KMUTNB executives welcomed and had a meeting with Mr. Xavier GROSMAITRE (4th of the 1st row), Attaché for Scientific and Higher Education Cooperation and the team of delegates from French Embassy to discuss about the possibility to further strengthen the academic collaboration between KMUTNB and French partners.

On 5 October 2022, Prof. Dr. Somrerak Chandra-ambhorn (3rd of the 1st row), Vice President for Research and Information Technology Development, Asst. Prof. Dr. Wattana Kaewmanee (2nd of the 1st row), Director of Thai-French Innovation Institute (TFII), Asst. Prof. Dr. Pornsak Srisungsitthisunti (2nd of the 2nd row), Deputy Director

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Academic Cooperation

KMUTNB - UK Universities Railway Network



Picture from l - r of sitting row: Prof. Dr. Gui-Yun Tian (1st), Prof. Dr. Mark Robinson (3rd), Prof. Dr. Somrerik Chandra-ambhorn, Vice President for Research and Information Technology (4th), Prof. Dr. Sheng-feng Qi (5th), and Prof. Dr. Simon Iwnicki (6th).

On 10 October 2022, Prof. Dr. Somrerik Chandra-ambhorn, Vice President for Research and Information Technology, warmly welcomed the delegates of three universities from United Kingdom, including Newcastle University, Huddersfield University, Northumbria University. They visited KMUTNB to be keynote lecturers in the summer school organized by the British Council under the UK-China BRI Countries Education Partnership Initiative project, and they had a meeting with the KMUTNB's Vice President and Faculty members to discuss about the potential to initiate academic collaboration in the area of Railway Vehicles and Infrastructure Engineering.

Chengdu Technological University, China



On 14 December 2022, the academic collaboration meeting between the team of KMUTNB representatives and Chengdu Technological University (CDTU) was virtually held. The KMUTNB side was led by Asst. Prof. Dr. Peerapong Pornwongthong, Assistant to the President for Research and Innovation Development, while the CDTU side was led by Prof. ZENG Zheng, Director of International Office. Since 2022, CDTU has entered

into a memorandum of understanding to formalize the cooperation with three faculties of KMUTNB in Rayong campus where Eastern Economic Corridor (EEC) area is located. The outcomes of this meeting were very fruitful and both parties agreed to co-organize new cooperative activities in the near future.

The Faculty of Science, Energy and Environment will hold an online lecture in collaboration with CDTU. In addition, the Faculty of Business Administration will cooperate with the CDTU side in organizing the cultural exchange program for the students, while the Faculty of Engineering and Technology is of the opinion to organize the student exchange program.

Certificate Awarding Ceremony (Continue page 1)



Asst. Prof. Dr. Saowakhon Khunnawut (4th), Director of the Thai-German Pre-Engineering School take a group picture with KMUTNB executive team, Dr. Roland Wein (5th), GTCC Executive Director, and the GTDEE team, including Mr. Markus Hoffmann (7th) and Dr. Kamonsak Suradom (8th).

Since KMUTNB has always been committed to keep up the standard of German model of technical education, the university places importance on the development of human resource to ensure that the KMUTNB lecturers and vocational teachers can effectively provide practice-based learning experiences and produce graduates with hands-on experiences. This program was launched by the cooperation between GTCC and KMUTNB.

The coordinator of KMUTNB side for this initiative was Asst. Prof. Dr. Saowakhon Khunnawut, Director of the Thai-German Pre-Engineering School, while Mr. Markus Hoffmann and Dr. Kamonsak Suradom are coordinators for the GTCC side.

Academic Cooperation

Coventry University, United Kingdom



Picture from l - r: Asst. Prof. Dr. Pornsak Srisungsitthisunti (2nd), Deputy Director of TFII, Prof. Michael Fitzpatrick (4th), Pro-Vice-Chancellor of Coventry University, Asst. Prof. Dr. Wattana Kaewmanee (5th), Director of TFII and Mr. Michael Yap (6th), MD of TWI Singapore Hub.

On 25 November 2022, Prof. Dr. Michael Fitzpatrick, Pro-Vice-Chancellor (Engineering Environment and Computing) Coventry University and Mr. Michael Yap, MD of TWI Singapore Hub visited laboratories and has a meeting with team of executives of TGGs and Thai-French Innovation Institute (TFII) to discuss about the potential areas to initiate future collaborations.

TFII was established in 1990 to promote innovation development and research in technology and engineering. The institute has also built partnerships with international organizations in different countries to achieve the mission to provide the quality outcome-based education.

Multimedia University, Malaysia

On 22 November 2022, Ms. Sikan Kulchonchan, Vice President for International Affairs, warmly welcomed Prof. Dr. Lim Way Soong, Director of International Relations Unit, Faculty of Engineering and Technology, Multimedia University (MMU), Malaysia.



Picture from l - r: Asst. Prof. Dr. Tanaporn Rojhirunsakool (1st), Director of CIEP, Ms. Sikan Kulchonchan (2nd), Vice President for International Affairs, Asst. Prof. Dr.-Ing. Sunantha Sodsee (3rd), Dean of ITD and Prof. Dr. Lim Way Soong (4th), Multimedia University.

The Faculty of Engineering of MMU and the Faculty of Engineering of KMUTNB have carried out successful cooperative activities. This time, he visited KMUTNB to discuss about further cooperative activities between the two faculties. In the meantime, he had a meeting with Asst. Prof. Dr.-Ing. Sunantha Sodsee, Dean of Faculty of Information Technology and Digital Innovation (ITD) and ITD executive team to discuss about the potential to initiate future academic collaborations.

Singapore Polytechnic, Singapore



Picture from l - r: 2 KMUTNB Facilitators; Mr. Khanet Junsukhon (1st), Dr. Jakkrawut Maitip (2nd) and 2 SP Facilitators; Mr. Ong Chai Lin (3rd), Ms. Soo Bee Hong (4th), Asst. Prof. Dr. Thitirat Thawornsujaritkul (5th), Associate Dean for Administration of the Faculty of Business Administration and Ms. Phimvalanch Moosikaphan (9th), ICC Director.

On 22 December 2022, the TF-SCALE 2023 facilitators from Singapore Polytechnic, including Ms. Soo Bee Hong and Mr. Ong Chai Lin, visited KMUTNB Rayong Campus to have a meeting with the team of executives on the arrangement of the KMUTNB and SP TF-SCALE 2023 and to survey facilities around KMUTNB Rayong Campus, accommodation for the project participants and the local community where the program will take place during 6 – 17 March 2023.

This program aims to promote design thinking competence of students and provide a platform for them to develop innovative mindset.

Academic Cooperation

University of Lorraine, France



Picture from l - r: Asst. Prof. Dr. Pornsak Srisungsitthisunti (1st), Deputy Director of TFII, Asst. Prof. Dr. Panarit Sethakul (3rd), CEO of WIT, Prof. Dr. Nouredine Takorabet (6th), Director of GREEN and Asst. Prof. Dr. Wattana Kaewmanee (7th), Director of TFII.

On 28 November 2022, Prof. Dr. Nouredine Takorabet, Director of Groupe de Recherche en Energie Electrique de Nancy (GREEN), University of Lorraine, visited Thai-French Innovation Institute (TFII) and had a meeting with the executives of TFII to follow up the progress of the cooperative projects and discuss about the future cooperation.

For decades, KMUTNB and University of Lorraine has carried out several collaborative activities together, especially the Dual Degree Program in Electrical and Energy Engineering which become very successful.

Daegu Gyeongbuk Institute of Science and Technology, Korea

On 12 December 2022, Prof. Dr. Teravuti Boonyasopon, Chairman of KMUTNB Council Committee, warmly welcomed Prof. Dr. Gyeong Ho Choi, a delegate from Daegu Gyeongbuk Institute of Science and Technology (DGIST), Korea, who has been a dedicated co-ordinator of the two institutions' cooperation for over decades. He visited KMUTNB during 10 – 14 December 2022 to have a meeting with Assoc. Prof.



Picture from l - r: Assoc. Prof. Dr Chedthawut Poompipatpong (2th), CIT's Associate Dean for Research & Innovation Promotion, Prof. Dr. Gyeong Ho Choi (4th), Prof. Dr. Teravuti Boonyasopon (5th), Chairman of KMUTNB Council Committee, Prof. Dr. Saowanit Sukparungsee (6th), Vice President for Academic Affairs, and Asst. Prof. Dr. Saowakhon Khunnawut (7th), Director of the Thai-German Pre-Engineering School.

Dr. Saiprasit Koetniyom, a Head of the Automotive Safety and Assessment Research Centre, TGGs, to discuss about the cooperation in Automated Vehicle Research, and also to have a meeting with Asst. Prof. Dr. Saowakhon Khunnawut, Director of the Thai-German Pre-Engineering School, to discuss about the possibility to organize cooperative projects and scholarship opportunities. He also visited laboratories in the Research and Human Resource Training Centre for Industry (RTCI) in Rayong Province and discussed about the collaborative opportunities with the researchers of RTCI and lecturers of KMUTNB Rayong Campus.

Universitas Negeri Manado, Indonesia



On 7 December 2022, Ms. Phimvalanch Moosikaphan (1st from l-r), Director of International Cooperation Centre (ICC) warmly welcomed Ms. Elni Jeini Usuh (2nd from l-r) Head of International Office of Universitas Negeri Manado, Indonesia and her colleagues.

The delegates from Universitas Negeri Manado visit KMUTNB to have a meeting with the ICC Director and ICC staff to discuss about the potential of exchange opportunities for the students and the possibility of initiating cooperation in the area of staff mobility.

Academic Cooperation

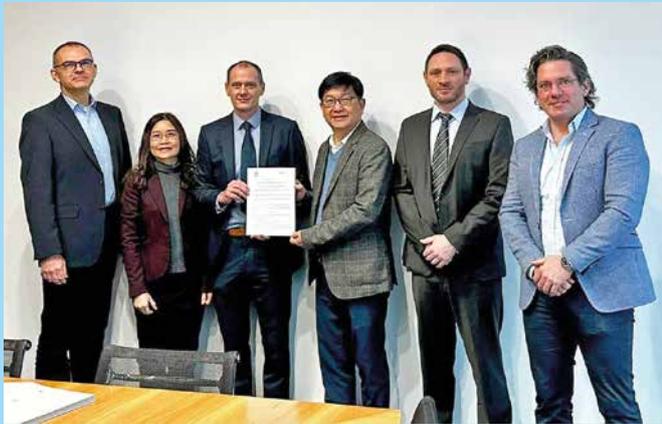
Campus France Tour 2022 at KMUTNB



On 5 October 2022, the team of the French Embassy in Bangkok, led by Mr. Xavier Grosmaître, Attaché for Scientific and Higher Education Cooperation, Ms. Gabrielle Lenormand, Head of Campus France Thailand visited KMUTNB to present information about French studying opportunities to the KMUTNB students and gave a talk on “Studies in France and Scholarships & Fellowship and Mobility Programs.”

Coburg University of Applied Sciences and Arts, Germany

On 6 December 2022, Assoc. Prof. Dr. Smith Songpiriyakij (4th from l-r), Dean of College of Industrial Technology (CIT), and Assoc. Prof. Dr. Rattanakorn Phadungthin (2nd from l-r), Associate Dean for International Affairs and Special Affairs visited Coburg



University of Applied Sciences and Arts, Germany, to sign MoU. The delegates of CIT also had a meeting with Prof. Dr. Stefan Gast (3rd from l-r), President of Coburg University of Applied Sciences and Arts, Prof. Dr.-Ing. Alexander Rost (1st from l-r), Dean of Mechanical Engineering and Automotive Technology, Prof. Dr.-Ing. Oliver Koch (6th from l-r), and Mr. Christian Erkenbrecher (5th from l-r), Director of International Office.

Esslingen University of Applied Sciences, Germany



On 28 November 2022, Assoc. Prof. Dr. Rattanakorn Phadungthin (center), Associate Dean for International Affairs and Special Affairs, College of Industrial Technology, visited Esslingen University of Applied Sciences, Germany, to present the MoU between KMUTNB and Esslingen University of Applied Sciences to Prof. Dipl.-Ing. Christof Wolfmaier (1st from l-r) President, and Prof. Dr. Ralph Schmidt (3rd from l-r), Vice Dean of Faculty of Mechanical and System Engineering, and also she had a meeting with Prof. Dr. -Ing. Juegen Haag, Dean of Faculty of Mobility and Technology and his team to discuss about the possibility of the intensification of the academic collaboration and cooperative activities between the two universities.

KMUTNB's Lecturer Won a Gold Prize from the Seoul International Invention Fair 2022



Prof. Dr. Nipon Pisutpaisal, a faculty member of the Department of Agro-Industrial, Food and Environmental, Faculty of Applied Science, was awarded a Gold Prize and a special prize from Massasei Women's Charitable Association in the Seoul International Invention Fair 2022 (SIIF 2022) which was held at COEX in Gangnam-gu, during 16 - 19 November 2022 in Seoul, Korea. This exhibition displayed 477 inventions from 16 countries around the world and there were also about 200 booths at the site provided a venue for exhibiting and promoting inventions.

Multimedia University, Malaysia



During 23 November – 6 December 2022, the group of 19 students from the Departments of Mechanical and Aerospace, Electrical and Computer, Production and Robotics and Chemical Engineering of Faculty of Engineering attended the outbound student exchange program at Multimedia University, Malaysia. During this 14-day program, they attended workshops on Robotics, Automation, 3D Printing, Additive Manufacturing and also went a Melaka heritage tour to learn about the history and culture of Malaysia.

Bochum University of Applied Sciences, Germany

On 1 December 2022, Assoc. Prof. Dr. Smith Songpiriyakij, Dean of College of Industrial Technology (CIT), and Assoc. Prof. Dr. Rattanakorn Phadungthin, Associate Dean for International Affairs and Special Affairs, were



welcomed by Prof. Dr Jürgen Kretschmann, President of Bochum University of Applied Sciences (HBO). They also visited the 6 students of CIT who were attending the outbound student exchange program. KMUTNB and HBO has developed a close cooperation in the area of student mobility for years.

KMUTNB Students to Visit the Delta Electronics Factory in Taiwan



During 3 – 10 December 2022, the 8 nominated students from the Department of Mechanical and Aerospace Engineering and the Department of Electrical and Computer Engineering of Faculty of Engineering, visited Delta Electronics Factory in Taiwan under the Delta International Exchange Program. This program offered a chance for the students to achieve real-life work experiences at a global workplace and to improve their global-minded perspective which will benefit them in their future professional journey.

International College's Student Outbound Field Trip 2022 (Taiwan-Japan)

During 19 – 26 December 2022, the group of 38 undergraduate students of International College went on the International Trade and Business Logistics Field Trip in Taiwan and Japan. They visited University of Taipei in Taiwan (Tianmu Campus). Then, they went to Japan to visit the RKK line in Okinawa which



provides high-quality cargo transport and handling services for coastal shipping and contributes to the development of maritime logistics.

Also, they visited Hakata port in Fukuoka to see the overview of the logistics operations, including movement of containers and other cargo, loading of ships and containers. Lastly, they visit Kyushu University to attend the lecture on the topic “Kyushu as a Regional Logistics Hub.”

Campus News

KMUTNB to Be Listed as the Top 8 Universities of Thailand by THE Ranking 2023



TH Rank	World Rank	University
1	801-1000	King Mongkut's University of Technology Thonburi
2	801-1000	Mahidol University
3	801-1000	Chulalongkorn University
4	801-1000	Mae Fah Luang University
5	1001-1200	Chiang Mai University
6	1201-1500	Suranaree University of Technology
7	1201-1500	Khon Kaen University
8	1201-1500	King Mongkut's University of Technology North Bangkok
9	1201-1500	Prince of Songkla University
10	1201-1500	Thammasat University

KMUTNB continues its steady ranking climb in 2023. It has been ranked among the world's top 1201 – 1500 universities and at the 8th place of Thailand in 2023, rising from the 10th place of Thailand in 2022. The evaluation criteria are based on Teaching, Research, Citations, International Outlook and Industry Income, which indicate the quality and competence of the university in the areas of research and teaching. The most distinguishing indicator is citations which has been ranked at the top 5th of Thailand. This reflects KMUTNB's strong determination and dedicated commitment to develop the university's research and education.

KMUTNB to Be Ranked among the Top Universities of Thailand in Three Subjects



KMUTNB has been listed in the THE World University Rankings by Subject 2023 in three subjects, including Physical sciences, Engineering and Computer science. THE (Times Higher Education) has been renowned worldwide for creating the reliable annual university rankings to assess university performance on the global stage. In 2023, KMUTNB has been ranked at the 3rd place in Thailand for Physical sciences, the 6th place in Thailand for Engineering, and the 5th place in Thailand for Computer science.

KMUTNB's Faculty Members to Be Listed in the World's TOP 2% Scientists 2022 Career-Long : Citation Impact 2022



Prof. Dr. habil. Phatiphat Thounthong
Faculty of Technical Education
Thailand Rank: 42
[Top 1st in Thailand for Electrical & Electronic Engineering]



Prof. Dr.-Ing. habil. Suchart Siengchin
TGGS
Thailand Rank: 123
[Top 4th in Thailand for Materials]



Assoc. Prof. Dr. Montree Siripruchyanun
Faculty of Technical Education
Thailand Rank: 186
[Top 2nd in Thailand for Networking and Telecommunications]



Assoc. Prof. Dr. Sanjay Mavinkere Rangappa
Office of the President
Thailand Rank: 216
[Top 15th in Thailand for Materials]

Single Year: Citation Impact 2022



Prof. Dr.-Ing. habil. Suchart Siengchin
TGGS
Thailand Rank: 16
[Top 1st in Thailand for Materials]



Assoc. Prof. Dr. Sanjay Mavinkere Rangappa
Office of the President
Thailand Rank: 22
[Top 2nd in Thailand for Materials]



Prof. Dr. habil. Phatiphat Thounthong
Faculty of Technical Education
Thailand Rank: 43
[Top 1st in Thailand for Electrical & Electronic Engineering]



Prof. Dr. Piti Sukontasukkul
Faculty of Engineering
Thailand Rank: 45
[Top 4th in Thailand for Building and Construction]



Prof. Dr. Jessada Tariboon
Faculty of Applied Science
Thailand Rank: 129
[Top 7th in Thailand for General Mathematics]



Mr. Vinod Ayyappan
TGGS
Thailand Rank: 255
[Top 6th in Thailand for Materials]

DAAD delegation to Visits TGGGS

On 6 December 2022, Prof. Dr. -Ing. Nisai Fuengwarodsakul (4th), Dean of TGGGS, welcomed Ms. Natalie Bursinski (3rd), Head of Asia/Pacific Section, German Academic Exchange Service (DAAD), and Mrs. Anna Katharina Rusche (5th). The delegates from DAAD visited laboratories and had a meeting with the team of executives of TGGGS, including Assoc. Prof. Dr. Tawiwat Kangsadan (6th) Associate Dean for Academic



Affairs and Quality Management, Asst. Prof. Dr. Peerawatt Nunthavarawong (1st) Assistant Dean for Research and Industry Relations, Dr. Ampol Likitchatchawankun (2nd) Assistant Dean for International Collaborations and Student Affairs and Assoc. Prof. Dr.-Ing. Suramate Chalermwisutkul (7th), a lecturer/researcher of Communication and Smart System Engineering (CSE) Program to discuss about the future possibility to strengthen the academic collaboration between Thailand and Germany in the area of education.

Riga Technical University, Latvia

On 6 October 2022, Prof. Igors Tipāns, Deputy Rector for International Cooperation and Studies, Riga Technical University (RTU) and Ms. Sikan Kulchonchan, Vice President for International Affairs,



KMUTNB, co-presided over the meeting to discuss about the development of the academic collaboration on joint research projects, staff and student exchange program. The two universities have entered into MoU to officially establish the partnership in November 2022.

Assoc. Prof. Dr. Tawiwat Kangsadan, TGGGS Associate Dean for Academic Affairs and Quality Management and Ms. Laura Stale, Head of International Cooperation Unit, are the co-ordinators of this cooperation.

2nd International Joint Mini-Symposium on Fluid Dynamics



On 9 November 2022, at Room 608, TGGGS Building, the Sirindhorn International Thai-German Graduate School of Engineering (TGGGS), Mahidol University and Kyushu Institute of Technology (Kyutech), Japan, co-organized a joint mini-symposium on fluid dynamics. This symposium was aimed to provide a platform for the graduate students from the

institutions to exchange knowledge and get constructive feedbacks from the specialists of the three institutions, including Prof. Dr. Masaki Fuchiwaki from Kyutech, Assoc. Prof. Dr. Chakrit Suvanjumrat from Mahidol University, and the TGGGS team including Assoc. Prof. Dr. Ekachai Juntasaro, Asst. Prof. Dr. Peerawatt Nunthavarawong and Asst. Prof. Dr.-Ing. Pruet Kowitwarangkul. The 1st symposium was held virtually during the pandemic and brought about productive outcomes.

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