

KMUTNB'S iRAP Robot Team Wins 3 Awards from "World Robocup Rescue 2022"



The iRAP team from KMUTNB won 3 awards from the "World Robocup Rescue 2022," including the 1st runner-up award, Best-in-class Mobility, and Best Team Description Papers. The competition was held during 13–16 July 2022 at Bangkok International Trade and Exhibition Center (BITEC), and was participated by 14 teams from 10 countries; for instance, Austria, Canada, China, Germany, Japan, South Korea, Turkey, United Kingdom, United States, and Thailand.

Continued p.2

KMUTNB's Por May Jedai Team Wins First Runner-up from EV Hackathon "Future EV Mobility Creative Contest for Sustainability"



The Por May Jedai team whose members are KMUTNB's students won the first runner up from the final round competition of the "Future EV Mobility Creative Contest for Sustainability" on 28 August 2022. The Winner of EV Hackathon is the ACDC team from Chulalongkorn University, while the 2nd Runner-up is the Bangmod team from King Mongkut's University of Technology Thonburi. The other five teams from Chulalongkorn University, King Mongkut's Institute of Technology Ladkrabang and Kasetsart University won the consolation prizes.

Continued p.2

Inside

Academic Cooperation.....	p.2
Academic Cooperation.....	p.3
Academic Cooperation.....	p.4
Academic Cooperation.....	p.5
Campus News.....	p.6
Campus News.....	p.7
TGGS.....	p.8

Academic Cooperation

“World Robocup Rescue 2022”



Picture: KMUTNB team won 3 awards from the “World Robocup Rescue 2022” including the 1st Runner-up Award, Best-in-class Mobility and Best team description papers.

KMUTNB teams won 8 times World RoboCup Rescue Championships and 4 times first runner up. For many years, KMUTNB has been committed to support and promote the advancement in advanced Robotics and AI technologies, and it works closely with the agencies of the Thai government and the industrial sectors.

EV Hackathon “Future EV Mobility Creative Contest for Sustainability”



Picture from l-r: Mr. Asi Mamane (1st), Prof. Dr. Somrerk Chandra-ambhorn (2nd) and H.E. Mr. Georg Schmidt (3rd) co-preside over the ceremony at the German Embassy in Bangkok.

latory remarks were delivered by H.E. Mr. Georg Schmidt, German Ambassador to Thailand, Mr. Asi Mamane, Director-General of the Department of European Affairs and Prof. Dr. Somrerk Chandra-ambhorn, KMUTNB Vice President for Research and Information Technology Development.



Picture: At the German Embassy in Bangkok, the three representatives of the EV Hackathon organizers are taking a group photo with members of the winning teams in the competition and representatives from sponsors.

The Shinobi team from Kyoto University, Japan won the first place, while the Hector Darmstadt team from Technical University of Darmstadt, Germany, won the third place.

The “World RoboCup” is an annual international robotics competition which was launched since 1996. The aim of the competition is to promote robotics and AI research. The hosting country of RoboCup rotates around various continents. This year is the turn for Asia and Thailand was granted an honor to host the event under the name RoboCup 2022, Bangkok, Thailand.

This competition was co-organized by Mahidol University, Thai educational institutions with backgrounds in Automatic engineering and partners from the government and private sectors.

There were 101 teams (3 students per team) whose members are both Thai and foreign students from various universities participating in the online training sessions. The teams presented their ideas online during the elimination round. 16 teams made it to the semi-finals, and after another round of presentations, 8 teams were selected for the grand final.

On 27 August 2022, during 21 hours of hackathon competition at the KMUTNB, the 8 finalist teams had brainstormed, while receiving guidance from 8 EV-related experts, to find solutions to the given problem on “Invent solution of sustainability in Bangkok Metropolis with EV Mobility Technology”.

On 28 September 2022, the EV Hackathon Awarding Ceremony was held at the German Embassy in Bangkok to honor the winning teams of the “Future EV Mobility Creative Contest for Sustainability.” At the awarding ceremony, the congratulatory remarks were delivered by H.E. Mr. Georg Schmidt, German Ambassador to Thailand, Mr. Asi Mamane, Director-General of the Department of European Affairs and Prof. Dr. Somrerk Chandra-ambhorn, KMUTNB Vice President for Research and Information Technology Development.

Then, the tokens of appreciation were presented to the sponsors and then the awards were presented to the 1st, 2nd and 3rd prize winners. Also, the certificates were presented to the winners of consolation prizes.

Afterwards, the reception was held by the German Embassy to congratulate the winning teams and to express thankfulness to the team of staff who worked together to make this event happen. The event was also attended by the representatives from the competition’s sponsors.

Academic Cooperation

2022 Research, Invention, and Innovation Congress (RI²C 2022)



Picture from l-r: Prof. Dr.-Ing. habil. Suchart Siengchin (1st in the 1st row), KMUTNB President and Prof. Dr. Somrek Chandra-ambhorn (1st in the 2nd row), KMUTNB's Vice President.

During 4–5 August 2022, KMUTNB organized the 2022 Research, Invention, and Innovation Congress (RI²C 2022) via an online platform.

The opening ceremony was presided over by Prof. Dr.-Ing. habil. Suchart Siengchin, KMUTNB President, while a welcome speech was delivered by Prof. Dr. Somrek Chandra-ambhorn, Vice President for Research and Information Technology Development. Over 200 papers by lecturers and researchers from overseas universities and Thai universities were submitted to be selected for the presentation in the conference.

SCIN 2022: Workshop on Systems and Computing Inspired by Nature



Picture from l-r of sitting row: Asst. Prof. Dr. Nuttapun Nakpong (1st), FITM Associate Dean for Special Affairs, Assoc. Prof. Dr. Phayung Meesad (3rd), Director of KMUTNB Central Library, Prof. Dr.-Ing. habil. Herwig Unger (4th), Fern University in Hagen and Assoc. Prof. Dr. Anirach Mingkhwan (5th), a FITM senior lecturer.

On 26 – 28 August 2022, at Villa Vichalai Hotel, KMUTNB Prachinburi Campus, the SCIN workshop was organized by the cooperation between the Faculty of Industrial and Technology Management (FITM), KMUTNB and Fern University in Hagen, Germany including Assoc. Prof. Dr. Phayung Meesad, Assoc. Prof. Dr. Anirach Mingkhwan, FITM lecturer, and Prof. Dr.-Ing. habil. Herwig Unger, Fern University of Hagen. This international workshop aimed to bring together researchers from different areas to foster the interdisciplinary exchange of methods and knowledge, and inspire people to look over the borders of their research area and get inspiration for their works.

2 Japanese Professors' Visiting

On 24 August 2022, at Palm Thong Meeting Room, 63 Building, College of Industrial Technology, 2 Japanese Professors, including Prof. Dr. Norio Tomii, Vice Dean of Center for Railway Research, Nihon University, and Prof. Dr. Takafumi Koseki, School of Engineering, the University of Tokyo, gave special lectures to KMUTNB lecturers and researchers on the topics: "Operations and Logistics" and "Electrical and Signaling System."



Picture from l-r: Prof. Dr. Takafumi Koseki (4th), Prof. Dr. Norio Tomii (5th) and Prof. Dr. Somrerk Chandra-ambhorn (6th) take a group picture with KMUTNB lecturers and researchers.

Both professors visited Thailand to be keynote speakers in the conference entitled "Hub of Talent : Thailand Railway Research Network 2022" (TRRN 2022) which was organised by Thailand Science Research and Innovation and Council of University President of Thailand to promote the advancement of Railway Engineering during 25-26 August 2022 at Pullman Bangkok King Power, Bangkok.

Academic Cooperation

Rosenheim Technical University of Applied Sciences, Germany

On 1 August 2022, 2 KMUTNB representatives, including Assoc. Prof. Dr. Pichet Sriyanyong, Dean of International College and Ms. Phimvalanch Moosikaphan, Director of International Cooperation Centre (ICC) visited Rosenheim Technical University of Applied Sciences (TH-Rosenheim), Germany, in order



Picture from l-r: Prof. Dr. Stephan Hornig, Prof. Dr. Carolin Fleischmann, Prof. Heinrich Köster, Assoc. Prof. Dr. Pichet Sriyanyong, Ms. Tamara Hormaier and Ms. Phimvalanch Moosikaphan.

to explore further areas of cooperation, especially in the field of business administration. They had a meeting to discuss more details of student mobility with Prof. Dr. Stephan Hornig, Prof. Dr. Carolin Fleischmann who represented the Faculty of Business Administration and the team of the TH-Rosenheim International Office. Both sides exchanged more information on the student exchange program.

KMUTNB and TH Rosenheim have established a long standing cooperation since 2001.

On this occasion, Prof. Heinrich Köster, President of TH-Rosenheim gave a warm welcome to 2 KMUTNB delegates.

Bremerhaven University of Applied Sciences, Germany

During 3 – 4 August 2022, the delegates from KMUTNB, including Assoc. Prof. Dr. Pichet Sriyanyong, Dean of International College and Ms. Phimvalanch Moosikaphan, Director of International Cooperation Centre (ICC), KMUTNB, visited Bremerhaven University of Applied Sciences (HS-Bremerhaven), Germany. The delegation from KMUTNB had a meeting to discuss about the intensification of academic collaborations with Prof. Dr. Gerhard M. Feldmeier, Dean of Faculty of Management and Information Systems and the team of HS-Bremerhaven.



Picture from l-r: Prof. Dr. Gerhard M. Feldmeier, and Assoc. Prof. Dr. Pichet Sriyanyong are signing agreement of the 2nd Double Degree Program in BA (Cruise Tourism Management) between 2 universities.

The delegation from KMUTNB had a meeting to discuss about the intensification of academic collaborations with Prof. Dr. Gerhard M. Feldmeier, Dean of Faculty of Management and Information Systems and the team of HS-Bremerhaven.

The KMUTNB delegates also attended the presentation of study project by KMUTNB students who are studying in the 3+1 Program in BBA (International Trade and Business Logistics).

In addition, on 4 August 2022, both KMUTNB and HS-Bremerhaven agreed to sign the another Inter-institutional Agreement of Cooperation on Double Degree Program (3+1 Program) in BA (Cruise Tourism Management).

Chungbuk National University, Korea



On 21 July 2022, Prof. Dr. Keun Ho Ryu (In the picture on the top of the left corner) was invited by Department of Computer and Information Science, Faculty of Applied Science, to give a special lecture on “Research Experiences and Deep Learning Approaches Basic concept, applications, and Projects.”

He is a Professor Emeritus, as well as Endowed Chair Researcher invited professor, Faculty of Information Technology, Chungbuk National University, Korea. The event attracted a great number of KMUTNB students and researchers who attended the program both online and onsite.

Academic Cooperation

Kyushu Institute of Technology, Japan



Picture from l-r: Prof. Dr. Eji Hayashi (5th) congratulates to a new executive team of the Faculty of Engineering; Assoc. Prof. Kittichai Thanasupsin (4th), a new elected Dean of Faculty of Engineering, Asst. Prof. Dr. Amornphun Phunopas (6th), Associate Dean for Research and Innovation, Asst. Prof. Dr. Tanaporn Rojhirunsakool (7th), Assistant Dean for International Affair and Public Relations and other members of a new executive team.

On 28 September 2022, the delegates from Kyushu Institute of Technology, including Prof. Dr. Eji Hayashi, Deputy Executive Director for Regional Academic-Industry Revitalization & Director of the Center for Socio-Robotic Synthesis and Prof. Dr. Yasunori Takemura, visited KMUTNB and had a meeting with the new team of executives of Faculty of Engineering to follow up the progress of cooperative activities between KMUTNB and Kyutech, which ranged from the field of Robotics and Satellite.

Also, the delegates from Kyutech took this occasion to congratulate Assoc. Prof. Dr. Kittichai Thanasupsin for being elected as a dean of the Faculty of Engineering and also to congratulate the team of new executives.

TF SCALE Programme 2022 – 2023, Singapore



During 18 September – 1 October 2022, at Singapore Polytechnic, 20 representatives of KMUTNB students who were granted full exchange scholarships by Temasek Foundation participated in the Temasek Foundation Specialists' Community and Leadership Exchange (TF SCALE) programme 2022 – 2023. The activity aimed to promote the design thinking skills which will enable the students to think systematically and to be emphatic to others.

In the second part of the program, the SP students will visit Thailand to participate in the TF SCALE programme which will be held at KMUTNB Rayong Campus, and this program will be joined by 20 SP students and 20 KMUTNB students.

Dresden University of Applied Science, Germany



Pictures from l-r of the first row: Asst. Prof. Dr. Jutharat Pinthapataya (1st), Associate Dean of FBID welcomes and introduces Prof. Dr. Antonio Roldan-Ponce (2nd), Dresden University of Applied Science to 80 FBID students and lectures before giving his lectures.

On 26 September 2022, Asst. Prof. Dr. Jutharat Pinthapataya, Associate Dean of the Faculty of Business and Industrial Development (FBID) invited Prof. Dr. Antonio Roldan-Ponce, Dresden University of Applied Science, Germany, to give a special lecture on the topic “Cultural Awareness at Work” and it was attended by 80 third-year students of the Program of Industrial Business and Human Resource Development who are studying the “Multicultural Organization Management” course.

This event aimed to enable the students to get insightful knowledge, understanding of transnational and corporate cultures, differences among age, race, gender and ranges of people.

Campus News

2 German Professors' Visiting

During 5 – 11 September 2022, the delegation of two professors from German Universities, including Prof. Dr. rer. nat. habil. Steffen Fischer, Institute of Plant and Wood Chemistry, Technische Universität Dresden and Prof. Dr. Thomas Heinze, Institute for Organic Chemistry and Macromolecular Chemistry (IOMC), Friedrich



Picture from l-r of sitting row: On 9 September, Assoc. Prof. Dr. Aiya Chantarasiri (1st), Dean of Faculty of Science, Energy and Environment, Ms. Sikan Kulchonchan (2nd), Vice President for International Affairs, Prof. Dr. Thomas Heinze (3rd) and Prof. Dr. rer. nat. habil. Steffen Fischer (4th) took a group picture with an executive team of the faculties, KMUTNB Research team and KMUTNB Postdoc students.

Schiller University Jena, visited and discussed on academic and research cooperation with the executive teams and research teams of the Science and Technology Research Institute, the Faculty of Applied Science, Bangkok Campus and the Faculty of Science, Energy and Environment, Rayong Campus.

During their visit, the two professors also gave lectures to the faculty members and graduate students of the Faculty of Applied Science, and the Faculty of Science, Energy.

KMUTNB's Inter-Culture 2022

During 17 – 19 August 2022, the new KMUTNB's international students from Bhutan, Myanmar, Nepal, Lao, Cambodia, Germany, Philippines, India, Pakistan, Malaysia, Bangladesh, Indonesia, France, Ukraine, participated in the KMUTNB Inter-Culture 2022 Program organized by International Cooperation Centre (ICC).



On 18-19 August 2022, the international students visited KMUTNB Rayong Campus and local community. Asst. Prof. Dr. Thitirat Thavornsujarit, Associate Dean of Faculty of Business Administration gave a warm welcome and chaired activities. They participated in the cultural exchange activity with the KMUTNB Rayong Campus' Thai students and made an excursion to the mangrove forest.

Kyutech Student Exchange, Japan



During 24 – 30 September 2022, 8 selected students from the Kyushu Institute of Technology visited KMUTNB as a part of the Project Based Learning (PBL) Program which was organized by the cooperation between the Department of Production and Robotics Engineering, Faculty of Engineering and Kyushu Institute of Technology, Japan.

They attended and learned Thai culture, such as Thai language and Thai cooking class. In the meantime, they visited and joined activities

with various KMUTNB student clubs, such as Language Club, Thai Classic Music Club and Thai Boxing Club. Also, they visited KMUTNB Labs, Grand Palace, Thai temples and Japanese company in Thailand. Through the whole activities, KMUTNB students participated with a group of Kyutech students.

Campus News

Western Sydney University: Australia



Picture from l-r: Asst. Prof. Dr. Nipa Ouppara (1st), Western Sydney University, Ms. Sikan Kulchonchan (2nd), KMUTNB Vice President for International Affairs and Assoc. Prof. Dr. Sunee Wattanakomol (3rd), Dean of Faculty of Business Administration.

On 12 July 2022, Ms. Sikan Kulchonchan, KMUTNB Vice President for International Affairs, warmly welcomed Asst. Prof. Dr. Nipa Ouppara, School of Business, Western Sydney University, Australia, who visited KMUTNB to have a meeting with Assoc. Prof. Dr. Sunee Wattanakomol, Dean of Faculty of Business Administration to discuss on mutual interests on academic cooperation.

Also, on 17 September, she was invited to be a keynote speaker on topic “Effective Negotiation” in the global business environment to a group of master students in Industrial Business Administration, Faculty of Business Administration, KMUTNB Rayong Campus.

Universitas Negeri Surabaya, Indonesia



Picture from l-r: Dr. Wulan Patria Saroinsong (2nd), Dr. Asrori S.S M.Pd (3rd), Assoc. Prof. Dr. Smith Songpiriyakij (4th), CIT Dean, Assoc. Prof. Dr. Rattanakorn Phadungthin (5th) and Asst. Prof. Dr. Salinee Acharry (6th), a head of the Department of Social and Applied Science.

On 30 August 2022, at College of Industrial Technology (CIT), Assoc. Prof. Dr. Smith Songpiriyakij, Dean of CIT, warmly welcomed the delegates from the Universitas Negeri Surabaya, Indonesia, including Dr. Asrori S.S M.Pd and Dr. Wulan Patria Saroinsong. The delegates visited KMUTNB to have a meeting with the team of CIT’s executives, to discuss about the intensification of academic collaboration. Presently, both universities cooperate to organize the student exchange program, and were of opinion to extend the cooperation to other areas, like staff exchange, co-research and credit transfer.

CIT’s Inbound Students



Picture from l-r: Ms. Sikan Kulchonchan (5th), Vice President for International Affairs and Assoc. Prof. Dr. Rattanakorn Phadungthin (6th), Associate Dean for Lifelong Learning, College of Industrial Technology take a group picture with Inbound students from Indonesia, Germany, France and Oman.

On 20 July 2022, Ms. Sikan Kulchonchan, Vice President for International Affairs, warmly welcomed the new exchange students from Bochum University of Applied Sciences, Germany, CESI Ecole d’Ingenieurs, France, and Universitas Negeri Surabaya, Indonesia. Every year, College of Industrial Technology accepts the incoming exchange students from partner university to offer an opportunity for the international students to improve the awareness of cultural diversity and prepare them to work in the globalized world.

TGGS

Prof. Dr.-Ing. Dirk Heberling receives “the Friend of Thai Science Award 2022”



Picture: Prof. Dr.-Ing. Dirk Heberling, RWTH Aachen University who is an expert in High Frequency Technology and has supported many projects of the telecommunication development in Thailand. Also he has been a block lecture at TGGS for over 10 years.

On 30-31 July 2022, Office of Science and Technology, Royal Thai Embassy, Brussels (Mission of Thailand to the European Union) held “the Innovation Conference for Thai European Communities – TICTEC2022” at Steigenberger Parkhotel, Düsseldorf, Germany.

On this occasion, Prof. Dr.-Ing. Dirk Heberling, Director of Institute of High Frequency Technology (IHF) of the RWTH Aachen University, has been selected to get the “the Friend of Thai Science Award 2022, and the awards was presented on on 30 July 2022.

He is a long-term contributor to Thai - German academic and research collaboration for longer than 10 years. Also, Prof. Heberling is acting as the German technical program coordinator of TGGS Communication and Smart System Engineering Program.

TGGS Lecturer Represents Thai University at ASAIHL International Conference



Assoc. Prof. Dr. Tawiwat Kangsadan, TGGS Associate Dean for Academic Affairs and Quality Management, was selected to be a representative of Thailand in the ASAIHL International Conference 2022 on the topic “Extensive Joint Collaborations with International Universities for Development of Industrial-Oriented Engineering Education Model and Best Practice in Thailand.”

Picture: On 26th September, Assoc. Prof. Dr. Tawiwat Kangsadan was presenting a Country Report at University of Warsaw, Poland.

The conference was organized by the Association of Southeast Asian Institutions of Higher Learning (ASAIHL) on the theme “The Conference on Bridges for Science and Education in Poland,” which was held at University of Warsaw, Poland.

On this occasion, during 23 September to 2 October, ASAIHL also organised the International Academic Network Collaborations Program 2022 (IANCOP 2022).

Group picture: On 29th September, there were 31 representatives of 21 Thai Universities who participate the International Academic Network Collaborations Program 2022 to visit Tallinn University, Tallinn, Estonia.



During the IANCOP 2022 program, Assoc. Prof. Dr. Tawiwat Kangsadan, joined the 30 delegates from Thailand to have a meeting with the delegation from Riga Technical University and had a discussion about the international academic collaboration, then the team of Thai delegates visited Tallin University and had a discussion about “Knowledge on Estonian’s Innovation and Digitalization.” The program aimed to promote the initiation of academic collaboration between Thai and European universities.

International News is published quarterly by:

International Cooperation Centre

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@op.kmutnb.ac.th