



# INTERNATIONAL

## UNDERGRADUATE PROGRAM IN ENGINEERING

Faculty of Engineering  
**Kasetsart University**  
Bangkok, Thailand

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# INTRODUCTION

Established in 2003, the international undergraduate program (IUP) of the faculty of engineering at Kasetsart university has missions to provide global education opportunities to Thai students, through collaborations with partner universities abroad in student internships, exchange programs and joint undergraduate-postgraduate degree programs while training them with strong engineering background with tradition of the faculty's 80 years of academic excellence.



# INTRODUCTION

The program emphasizes not only the fundamentals of engineering disciplines, but also practical aspects of the engineering profession including Environmental Engineering, Electrical Engineering (Telecom and Robotics), Electrical-Mechanical and Manufacturing, Industrial Engineering, Mechanical Engineering, and Software and Knowledge Engineering. The program also offers opportunities for the students to participate in Bachelor and Master degree pathway with partner universities abroad, exchange program, overseas training program with industrial and research partnerships, and study along side their exchange student friends from partner universities.





# CURRICULA

There are 8 bachelor degrees within IUP framework:

- Software and Knowledge Engineering
- Electrical Engineering (Telecom)
- Electrical Engineering (Robotics)
- Industrial Engineering
- Mechanical Engineering
- Environmental Engineering
- Robotics and Digital Manufacturing Engineering
- Civil Engineering

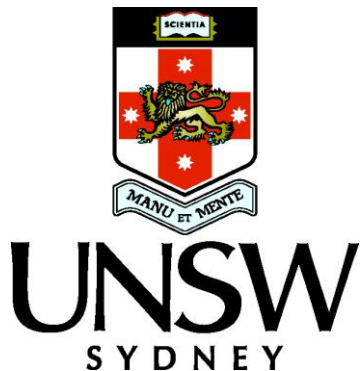
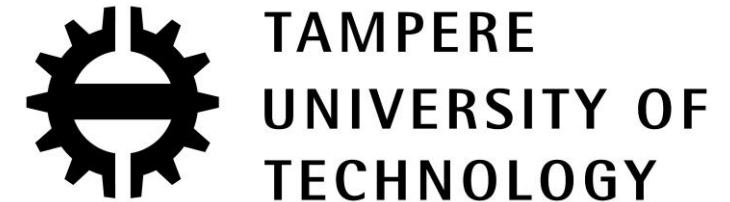
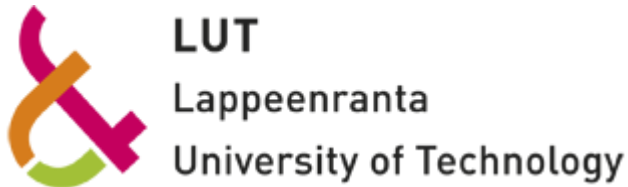


# FACULTY MEMBERS AND STUDENTS

The program is managed by committee members from Computer Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering and Mechanical Engineering. Instruction are all in English provided by lecturers with doctoral degrees from abroad. There are approximately 200 students in each enrollment, and there are approximately 35 exchange students each academic year from partner universities in Germany, Finland, Sweden, Denmark, Japan, Singapore, and South Korea, participating in classes within the program.



# ACADEMIC COLLABORATIONS



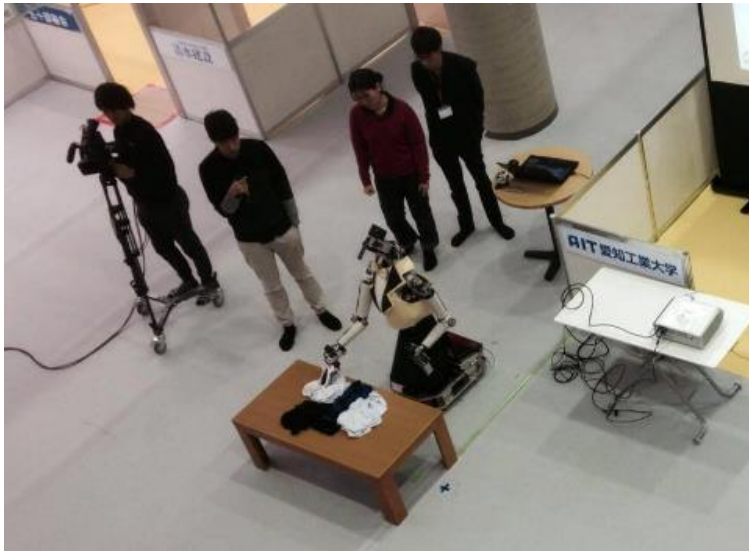
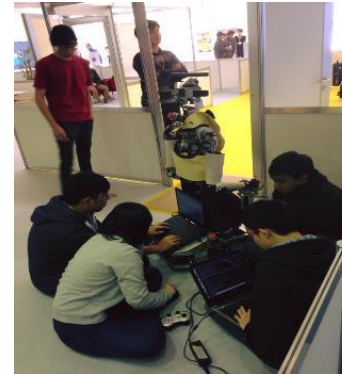
# INDUSTRIAL COLLABORATIONS





# STUDENT ACTIVITIES AND ACHIEVEMENTS

- National Champion, TSAE Student Formula 2016-2017/2017-2018/2018-2019/2022-2023/2023-2024
- 5<sup>th</sup> Place Robocup 2016 in Japan
- First Prize Asian Supercomputer Challenge 2015
- Hubless Electric Bike, First Runner Up,



# EXCHANGE PROFESSORS AND STUDENTS

Exchange professors from partner universities has come to visit and teach students in the program while collaborating with faculty members on research and professional services. The program has welcomed the following exchange professors:

1. Professor Dr. Mats Berg, KTH Railway Group
2. Dr. Maryam Ghandchi Tehrani, Noise and Vibration Lab, University of Southampton
3. Professor Dr. Sebastien Stichel, KTH Railway Group
4. Professor Dr. Kunio Yoshikawa, Renewable Energy, Tokyo Institute of Technology
5. Professor Dr. Christer Fuglesang, ESA Astronaut, KTH



# EXCHANGE PROFESSORS AND STUDENTS



## Space Travel and Future Challenges



A special seminar by KTH, the Royal Institute of Technology, Sweden and IUP, International Undergraduate Program, Kasetsart University will be presented by

**Dr. Christer Fuglesang**

Astronaut, Professor, and Author

Thursday, November 5, 2015, 9.30-11.00 AM

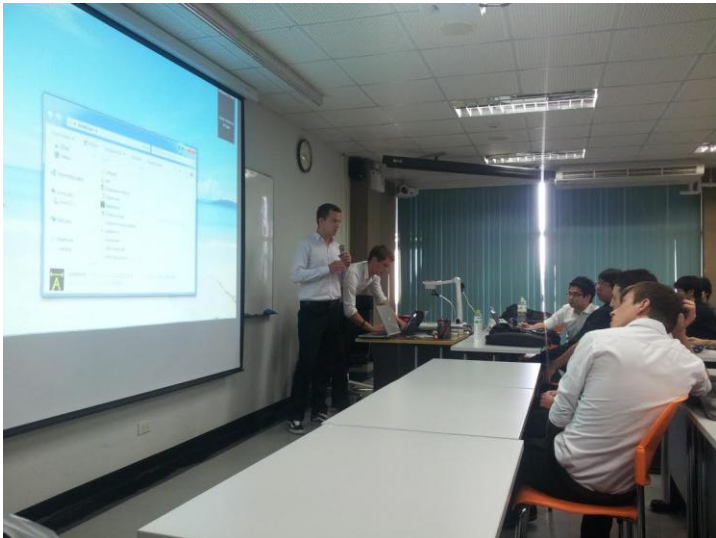
IUP Auditorium, 2<sup>nd</sup> Floor, IUP Building, Faculty of Engineering, KU

Contact: Ms.Kanokkarn Chompusri, 02-797-0999 ext.1182



# EXCHANGE PROFESSORS AND STUDENTS

The program welcomes approximately 35 exchange students annually from partner universities to participate in classes and also engage in doing their bachelor theses with faculty members. Exchange students are crucial in terms of mutual understanding between Thailand and overseas not only on education but also on culture and friendship.





# 3+1+M DOUBLE DEGREE PROGRAM

The program offers “3+1+M” double degree track to students as an option to pursue their studies abroad. A student will study at KU for 3 years and continue his/her 4<sup>th</sup> year and master degree in Engineering at the partner universities in the UK, Scotland, Sweden, USA and Australia. The student will earn Bachelor of Engineering from KU and Master of Science from a partner university. There are 9 universities for 3+1+M track:

1. University of Southampton, UK
2. University of Strathclyde, Scotland
3. University of Newcastle, UK
4. University of Leicester, UK
5. Griffith University, Australia
6. University of Wollongong, Australia
7. University of Wisconsin Madison, USA
8. Auburn University, Alabama, USA
9. The Royal Institute of Technology, Sweden



## Qualification

- GPA 2.75+
- IELTS 6.0

# 3+1+M DOUBLE DEGREE PROGRAM

- 70,000 baht from IUP for 1 semester and 140,000 baht for 1 year
- Discounted Tuition fee + Food + Accommodation are about 1,000,000 baht per year.
- Tuition fee has to be paid with a discount of up to 20%
- Undergraduate engineering degree from KU/  
Engineering or Management postgraduate degree from abroad

# EXCHANGE PROGRAM

The program offers 3<sup>rd</sup> year students to become exchange students to partner universities in Europe and Asia. Students will spend one or two semesters abroad and transfer their credits back to KU which must be conformed to their approved study plans.



# EXCHANGE PROGRAM

## Partner Universities in Europe

- France
- Switzerland
- Germany
- Austria
- Finland
- Sweden
- Denmark
- Turkey

## Partner Universities in Asia

- Japan
- Korea
- Malaysia
- Indonesia
- Hong Kong
- China
- Taiwan

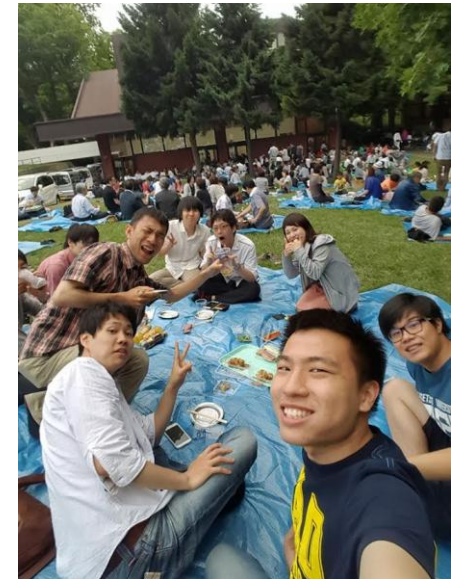
## Qualification

- GPA 2.75
- IELTS 6.0



# OVERSEAS TRAINING PROGRAM

The program offers 3<sup>rd</sup> year students to apply for their summer internships abroad. Qualified students will go to companies and laboratories in Germany, Japan, Korea and Singapore for 2 months. Approximately 25 students pursue this option each year.



# OVERSEAS TRAINING PROGRAM

From 2 to 6 months. Work in the Company or University Research Labs

## Partner Universities in Europe

- France
- Switzerland
- Germany
- Austria
- Finland
- Serbia

## Partner Universities in Asia

- Japan
- Korea
- Malaysia
- Indonesia
- Hongkong
- China
- Taiwan

## Qualification

- GPA 2.75
- IELTS 6.0

## Partner Universities in Africa

- South Africa

# INBOUND/OUTBOUND EXCHANGE

Academic Year	Inbound Exchange	Outbound Exchange
2013	18	17
2014	24	25
2015	30	30
2016	23	31
2017	28	33
2018	39	56
2019	37	60
2021	12	6
2022	37	6
2023	38	26
2024	105	64

# SCHOLARSHIPS

The following scholarships are offered to qualified students:

## 1. Outstanding Performance:

Students with 5 A's will receive tuition fee reduction from KU.

## 2. Best in Class:

Students with best performance in 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> year will receive 30,000 Baht on each semester.

## 3. Exchange:

Qualified exchange students will receive 70,000 Baht for 1 semester exchange and 140,000 Baht for 2 semester exchange.

## 4. Overseas Training:

Qualified students will receive 30,000 to 60,000 Baht.





# ADMISSION

There are six ways that the prospective students can apply for admission to the program (according to TCAS):

1. TCAS 1: Direct application with Portfolio
2. TCAS 2: Quota System managed thru the Faculty
3. TCAS 3: Direct Admission
4. TCAS 4: Central Admission by Ministry of Education
5. Foreign Student can apply thru [interprogram.ku.ac.th](http://interprogram.ku.ac.th)

The exchange students from abroad can apply for exchange thru:

1. [interprogram.ku.ac.th](http://interprogram.ku.ac.th)
2. Direct request thru partner university's international offices



THANK YOU FROM ALL OF US @IUP !!!

International Undergraduate Program



**IUP**

Faculty of Engineering  
Kasetsart University