

# RESEARCH POSTGRADUATE STUDY IN HKUST ENGINEERING



THE HONG KONG  
UNIVERSITY OF SCIENCE  
AND TECHNOLOGY



SCHOOL OF  
ENGINEERING

# HKUST ENGINEERING

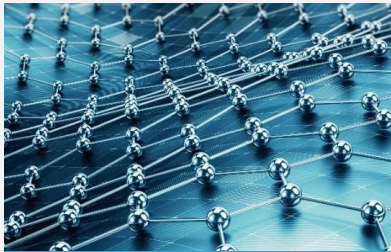


## The **LARGEST** School in HKUST

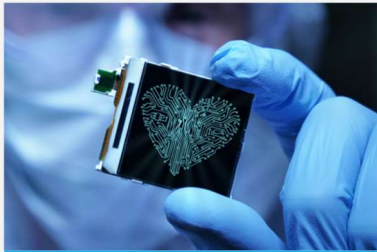
- Academic Staff : **30%**
- UG/PG Students : **34%**
- MPhil/PhD Students : **52%**



# SCHOOL OF ENGINEERING: STRATEGIC RESEARCH AREAS



Advanced  
Materials



Aging &  
Healthcare



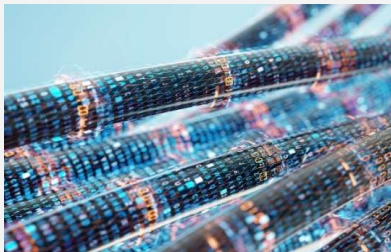
Artificial  
Intelligence



Autonomous  
Systems &  
Robotics



Communications



Data Science



Design Thinking &  
Entrepreneurship



Energy &  
Sustainability



Microelectronics



Smart Cities

# SIGNATURE AREAS



## Chemical & Biological Engineering (CBE)

- Advanced Materials, Energy and Environment
- Bioengineering
- Data Science and Process Systems Engineering

## Civil & Environmental Engineering (CIVL)

- Smart City
- Geotechnical
- Sustainability – Energy and Environment

## Computer Science & Engineering (CSE)

- Artificial Intelligence and Big Data
- Networking and Cybersecurity
- Software Engineering and Systems

## Electronic & Computer Engineering (ECE)

- Wireless Communications
- Microelectronics, Integrated Circuits and Optoelectronics
- Robotics and Autonomous Systems

## Industrial Engineering & Decision Analytics (IEDA)

- Data Analytics and Applications
- Operations Research and Management
- Financial Engineering and Technology

## Mechanical & Aerospace Engineering (MAE)

- Energy Systems
- Smart Manufacturing
- Aerospace Engineering
- Advanced Materials

# PG STUDENT MOBILITY

## Objectives

- Enriching students' learning/research through interacting with faculty/students in a different environment.
- Providing students with exposure to a foreign culture to strengthen their cross-cultural understanding, social and communication skills.
- Widening the networking with professional/peer contacts, which may help them in building their career.
- **Dual-degree Program**
- **PhD Overseas Research Attachment**
- **International Conference / Workshop /Competition**
- **International Exchange / Internship**

# JOINTLY SUPERVISED / DUAL-DEGREE MPHIL/PHD PROGRAMS



- Ride on complementary research strengths - each student would be assigned a main supervisor from the home institution, and a co-supervisor from the host institution
- Pursue studies for a stipulated period of time at each institution and obtain a **degree diploma from each institution**
- **Studentship provided** by each institution during the study period registered there (for full-time students)



POLITECNICO  
MILANO 1863



SHARIF  
UNIVERSITY OF  
TECHNOLOGY

# ACADEMIC & INDUSTRY-RUN DUAL MASTER'S DEGREE PROGRAMME



- Co-organized by **HKUST** and **University of Strathclyde (UK)** in partnership with **CLP Power Hong Kong Limited**
- Integrates elements of research with industrial application, covering academic knowledge of **future energy and power system operation and management**, along with the application technology such as **big data analytics, Internet of Things technology and artificial intelligence**
- Complete the **coursework** of University of Strathclyde (distance learning) and HKUST (part-time study), and complete an **MPhil thesis research**
- Program duration: Normative period of 3 years (part-time)
- Graduates will be awarded both an **MPhil** degree from HKUST and a **MSc** degree from University of Strathclyde.



# PHD OVERSEAS RESEARCH ATTACHMENT



Research  
Award

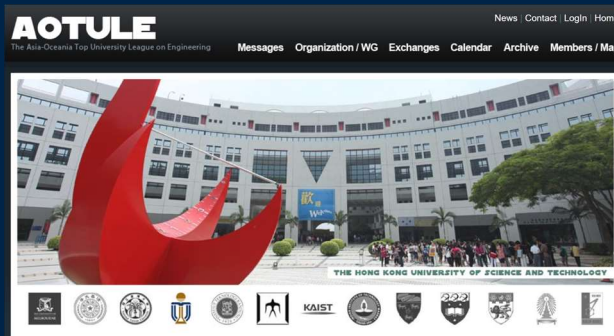
- To enrich **HKUST** students' research experiences through working in a different research environment
- To visit institutions **outside HK** for a maximum of 6 months

**Monthly subsidy of HK\$10,000 (USD1,300)** in addition to studentship





# INTERNATIONAL CONFERENCE / WORKSHOP / COMPETITION



AOTULE Student Conference



Asian Deans' Forum –  
The Rising Stars Women in Engineering Workshop



ASPIRE Student Workshop



Three Minute Thesis Competition (3MT)

# INTERNATIONAL EXCHANGE / INTERNSHIP



To support short term studies (2-6 months) by **overseas students** at HKUST

## PG EXCHANGE STUDENTS

- For students nominated by our partner institutions only

### Application Procedures

**Step 1**

- Seek nomination from your home institution

**Step 2**

- Consult the appropriate HKUST School/ Program for details (e.g. course enrolment, accommodation, scholarship, etc., see above for contact information)

**Step 3**

- [Apply online](#)

**Step 4**

- Send your official transcript and/or testimonial and other required documents

**Step 5**

- [Apply](#) for student visa/ entry permit (Not sure if you need one? Check [here](#))

**Step 6**

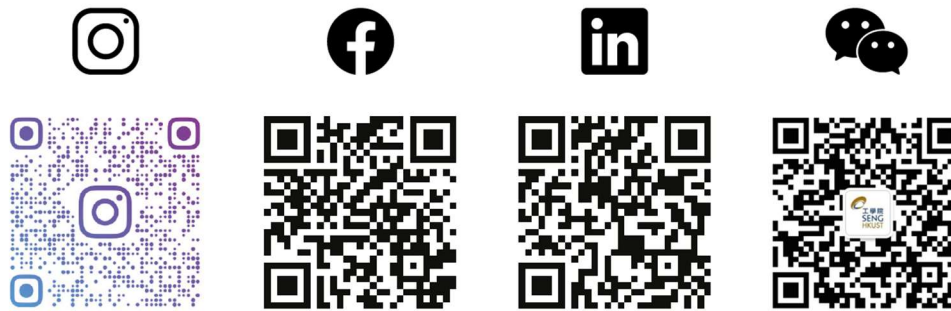
- [Subscribe](#) to the HKUST Compulsory Travel Insurance Plan

**Step 7**

- Register as a PG Exchange Student

## INTERNATIONAL VISITING INTERNSHIP STUDENTS

- Eligibility
  - ❖ be a foreign national currently registered as a full-time student in an overseas university; and
  - ❖ be a student in a master's program or a student in the senior year of an undergraduate program in the home institution
- Stipend Amount (*Research PG students only*)  
Monthly allowance of **HK\$10,000-HK\$12,000** (USD1,300-USD1,500) may be provided subject to the HKUST supervisor's agreement



<https://seng.hkust.edu.hk>