



INNOVATING TODAY IMAGINING TOMORROW

Postgraduate Prospectus 2019-20





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“A place where **freedom** meets **discipline**
and **vision** coincides with **innovation**.”

An institution where **research excellence** is
a reality, and **‘dare to dream’** is our invitation.”





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Welcome to HKUST -
a university of **choice for talents,**
attractive to the **best global minds.**







1st
Among Top
Young Universities
in the **World**¹



30th
in the **World**²

The HKUST Difference

We take pride in our institution not only because of our rankings, but because we celebrate our students' individuality – their backgrounds, their voices and their dreams. Diversity is a way of living and learning here at HKUST.

1st

Global Employability
in Greater China ³

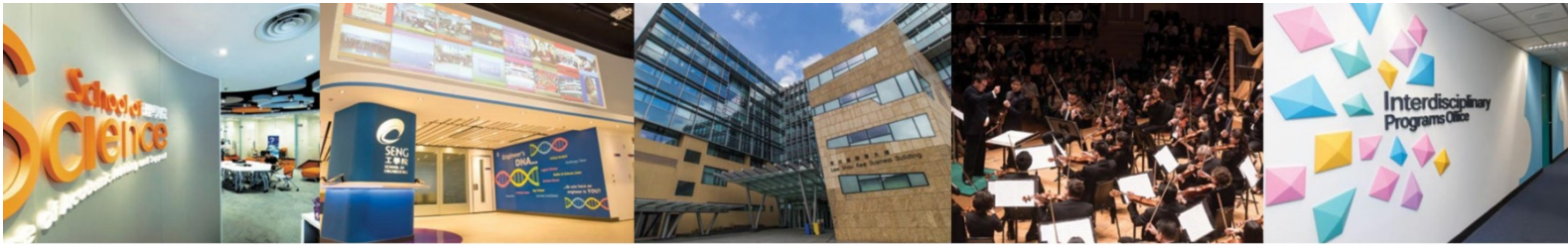
12th

Global Employability
in the World ³

1st

in the World ⁴
for Kellogg-HKUST
Executive MBA
Program

¹ THE Young University Rankings, 2018 ² QS World University Rankings, 2018 ³ Global Employability University Ranking, 2017
⁴ Financial Times Global EMBA Rankings, 2017, QS Global Joint EMBA Rankings, 2017



Wide Selection of Programs



SCIENCE



ENGINEERING



BUSINESS AND
MANAGEMENT



HUMANITIES AND
SOCIAL SCIENCE



INTERDISCIPLINARY
AREAS

Truly Global, Proudly Diverse

4900+

**Postgraduate Students
at HKUST in 2017-18**

**Postgraduate
Student Profile**

70%+
**Non-Local
Students**

250+

Student Exchange Programs



Coming from

60+

Countries and Regions

**North
America**

Canada,
United States

Europe

Austria, Belgium,
France, Germany,
Greece, Hungary,
Italy, Lithuania,
Netherlands,
Poland, Portugal,
Russia, Serbia,
Spain, Slovenia,
Switzerland, Turkey,
United Kingdom

Africa

Algeria,
Egypt, Gambia,
Ghana, Kenya,
Mauritius, Morocco,
Mozambique,
Nigeria,
South Africa,
Tunisia

**Asia
Pacific**

Australia, Azerbaijan,
Bangladesh, China,
Hong Kong, India,
Indonesia, Iran,
Iraq, Japan,
Lebanon, Macao,
Malaysia,
Mongolia, Nepal,
New Zealand,
Pakistan, Philippines,
Saudi Arabia,
Singapore,
South Korea,
Sri Lanka, Syria,
Taiwan, Thailand,
Vietnam

**Central
& South
America**

Brazil,
Chile,
Mexico,
Peru,
Venezuela

Data as of May 2018

The Hong Kong Advantage

Located at the heart of Asia, Hong Kong is the premier gateway to China, the world's largest trading economy. This dynamic city offers you the most exciting options and opportunities to jumpstart your journey to success.



12th
Best Student City
in the **World**¹

¹ QS Best Student Cities Rankings, 2018

- ▶ Strong resources and support for research development and start-up activities.
- ▶ Financial hub with the rule of law, a low tax system, the free flow of information and world-class infrastructure.
- ▶ Rated as the world's freest economy by the Heritage Foundation for 24 consecutive years and consistently ranked 1st by the Fraser Institute for economic freedom.
- ▶ English is widely used and also the medium of instruction in the university.
- ▶ A 24/7 character with a wide spectrum of outdoor activities, dining and entertainment options.



Read more about the success stories of our students:

pg.ust.hk/sharing



Federico MAGNI from Italy

PhD Student in Management
HK PhD Fellowship Awardee

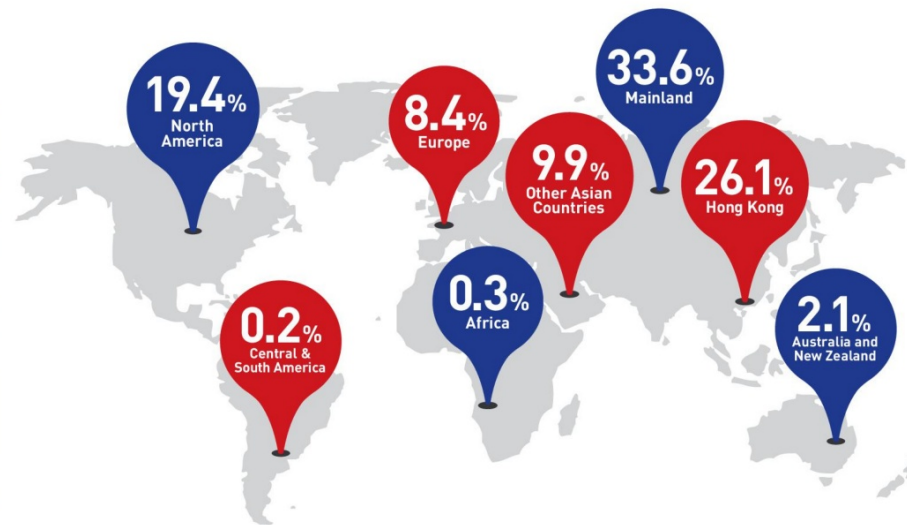
Feeling the desire to be challenged and to explore a world out of my comfort zone, I decided to pursue further studies at HKUST after working in business consulting. The unique experiences offered by Hong Kong, the lack of language barrier in this city and HKUST's stellar academic reputation made my decision of where to study a simple one. Also, I am lucky enough to work with a variety of professors with different working styles and approaches to research.

Where Great Minds Converge

The greatest place is made up of the greatest people. Our outstanding faculty are distinguished scholars, dedicated teachers and passionate life explorers. They are here to nurture you, challenge you, and inspire you to fulfill your dreams.



650+ Faculty from **35+** Countries and Regions



Data as of May 2018

100%
with PhD degree*



Majority coming from world-renowned universities

Brown	Cambridge	Carnegie-Mellon	Chicago
Columbia	Cornell	Duke	Harvard
Illinois	London	Maryland	Michigan
MIT	New York	Northwestern	Oxford
Pennsylvania	Princeton	Purdue	Southern California
Stanford	Toronto	UBC	UC Berkeley
UCLA	Washington	Wisconsin	Yale

Including HKUST

*Tenure-track faculty (Assistant Professor or above) and research-track faculty

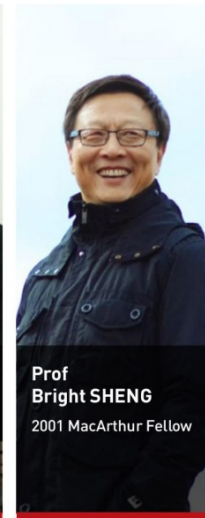
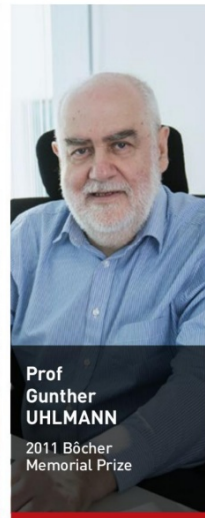
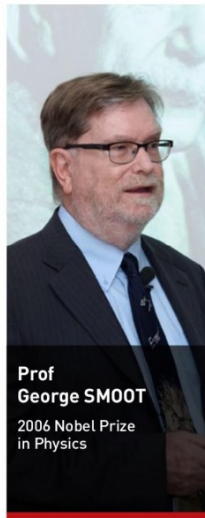


HKUST Jockey Club Institute for Advanced Study (IAS)



IAS gathers many of the world's greatest minds and brightest talents to pursue research on the most advanced topics. IAS Professors are among the world leaders in their fields of study. Working with like-minded scholars at HKUST and from around the globe, IAS faculty contribute to the advancement of knowledge and confront the great challenges of the 21st century. As members of the HKUST academic community, you will be able to interact with not only the top-notch local scholars, but also international intellectual leaders taking part in the Institute's programs.

Top-Notch Scholars as IAS Professors

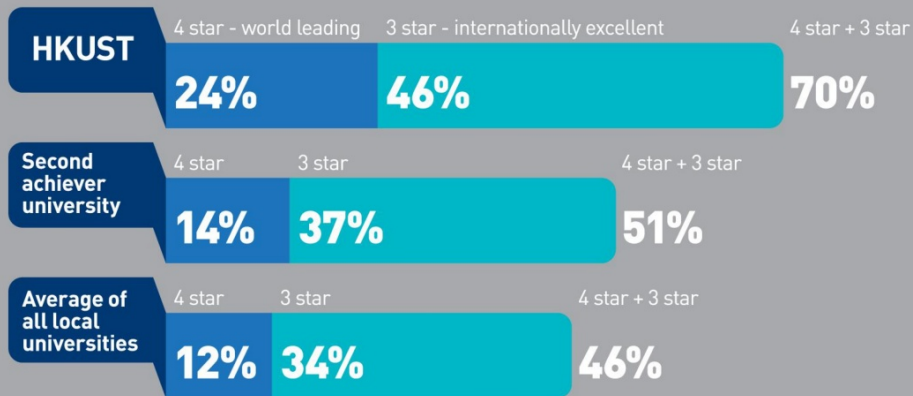


Where Research Flourishes

An inquisitive mind is at the heart of HKUST, and research is the soul of this institution. Our goal is to extend the boundary of knowledge, solve problems, improve on what we already know, and make this world work better for everyone.

Research Excellence Recognized

The result of the latest Research Assessment Exercise conducted by the University Grants Committee in Hong Kong exemplifies HKUST's research excellence.





Strong Research Infrastructure

HKUST provides strong infrastructural support for faculty and students to overcome traditional boundaries and cross-field challenges in their research. It creates an interdisciplinary environment that fosters cooperation, helps generate groundbreaking ideas, and allows these ideas to be tested and realized.



50+ Research Institutes,
Centers and Joint Labs

Key Research Institutes:



Biotechnology
Research Institute



Institute for
the Environment



Big Data Institute



Robotics Institute



Energy Institute



William Mong Institute
of Nano Science and
Technology



Institute for
Emerging Market Studies



**Elizaldy Acebu MABOLOC
from the Philippines**

**PhD Student in Marine Environmental Science
HK PhD Fellowship Awardee**

HKUST has strong international linkages and regularly hosts research-related seminars and conferences. These have exposed me to international research community, opened doors for the exchange of ideas, and created opportunities for collaboration. I am so privileged to have easy access to the Coastal Marine Laboratory, which has provided all the tools I need for my research project. In the future, I hope to help formulate new conservation strategies through intensive research to protect the rich biodiversity of my home country, the Philippines, as well as train up a new generation of marine scientists for the region.



**Dorothy LAI
from Hong Kong**

MPhil Student in Humanities

My research focuses on tax non-compliance and corruption in post-WWII Hong Kong. Since there are inadequate available sources in Hong Kong, I needed to visit the National Archives in the UK. As an MPhil student at HKUST, I was given generous research grants to conduct overseas archival research. The HKUST MPhil program has provided me with vast opportunities for self-discovery, character-building and knowledge creation. I am thankful to be a research postgraduate in this University.

Read more about the success stories of our students:

pg.ust.hk/sharing



Your Options – The Programs

HKUST currently offers two types of postgraduate studies:

	Research Programs	Taught Programs
Degree Type	<ul style="list-style-type: none"> • Master of Philosophy (MPhil) • Doctor of Philosophy (PhD) 	<ul style="list-style-type: none"> • Executive Master of Business Administration (EMBA) • Master of Business Administration (MBA) • Master of Arts (MA) • Master of Science (MSc) • Master of Public Policy (MPP) • Postgraduate Diploma (PGD)
Program Requirements	Involves the completion of coursework and independent research, and successful defense of thesis	Fulfill coursework requirements and projects, if any
Normative Study Duration	<ul style="list-style-type: none"> • 2 years for MPhil studies (Full-time) • 3 or 4 years for PhD studies, depending on entry qualifications (Full-time) 	<ul style="list-style-type: none"> • 1 to 2 years (Full-time) • 1.5 to 3 years (Part-time), depending on individual programs



**2019-20
Postgraduate Programs**

	Research Programs		Taught Programs		
	Doctor of Philosophy (PhD)	Master of Philosophy (MPhil)	Master of Science (MSc)	Master of Arts (MA)	Master of Business Administration (MBA/EMBA)
Science					
Analytical Chemistry			●		
Biotechnology			●		
Chemistry	●	●			
Financial Mathematics			●		
Life Science	●	●			
Mathematics	●	●			
Mathematics for Educators			●		
Nano Science and Technology	●	●			
Physics	●	●			
Business and Management					
Kellogg-HKUST Executive MBA					●
HKUST Executive MBA					●
HKUST-NYU Stern MS in Global Finance			●		
HKUST-SKOLKOVO Executive MBA Dual					●
Degree Program for Eurasia					●
MBA					●
Accounting	●		●		
Business Analytics			●		
Economics	●		●		
Finance	●				
Financial Analysis			●		
Global Operations			●		
Information Systems	●				
Information Systems Management			●		
International Management			●		
Investment Management			●		
Management	●				
Marketing	●				
Operations Management	●				
Humanities and Social Science					
Chinese Culture				●	
Global China Studies			●		
Humanities	●	●			
International Language Education				●	
Social Science	●	●		●	

	Research Programs		Taught Programs		
	Doctor of Philosophy (PhD)	Master of Philosophy (MPhil)	Master of Science (MSc)	Master of Public Policy (MPP)	Postgraduate Diploma (PGD)
Engineering and Technology					
Aeronautical Engineering			●		
Big Data Technology			●		
Bioengineering	●	●			
Chemical and Biomolecular Engineering	●	●	●		
Civil Engineering	●	●			
Civil Infrastructural Engineering and Management			●		●
Computer Science and Engineering	●	●			
Electronic and Computer Engineering	●	●			
Electronic Engineering			●		
Engineering Enterprise Management			●		
IC Design Engineering			●		
Industrial Engineering and Decision Analytics	●	●			
Information Technology			●		
Intelligent Building Technology and Management			●		
International Air Transport Operations Management			●		
Mechanical Engineering	●	●	●		
Technology Leadership and Entrepreneurship		●			
Telecommunications			●		
Environmental Studies					
Atmospheric Environmental Science	●	●			
Environmental Engineering	●	●			
Environmental Engineering and Management			●		●
Environmental Health and Safety			●		
Environmental Science and Management			●		●
Environmental Science, Policy and Management	●	●			
Marine Environmental Science	●	●			
Public Policy					
Public Policy	●	●		●	

Program Details: pg.ust.hk/programs



Get a Taste of Study Life at HKUST - Visiting Student

We welcome quality and enthusiastic students from all over the world to take courses or conduct research on a short-term basis.

 pg.ust.hk/visiting



Charikleia STOURA
from Greece

PhD Student in Civil Engineering
HK PhD Fellowship Awardee

Research life here is incredible. HKUST gives me an excellent platform to pursue research on train-bridge systems. It also offers me necessary supplies and equipment in order to conduct my research. I don't have to worry about resources; instead, I can just focus on my work — that is not often the case in other universities. Also, I am very thankful to my supervisor, whose works have motivated me to do the best that I can in my own research.

What's more, we support international students to engage in research work under the supervision of top-notch faculty for a period of 2 – 6 months with a full financial allowance of HK\$10,000 – HK\$12,000 (–US\$1,300 – US\$1,500).

 pg.ust.hk/ivisp



Hijiri MIYAZAKI
from Japan

MPhil Student in Mechanical Engineering
Asian Future Leaders Scholarship Awardee

I've been enjoying my studies at HKUST very much. Different from my home university, HKUST offers me ample opportunities to engage in learning the latest research topics. Thanks to the Asian Future Leaders Scholarship, I have been given a chance to join a summer camp to learn and exchange ideas with talents around the globe in Beijing this year. I am also excited about my life in Hong Kong. I enjoy local food like dim sum and have started to explore Chinese history while I am here.

Read more about the success stories of our students:

pg.ust.hk/sharing



Your Action – Admissions

Tuition Fees

Research Postgraduate Programs (MPhil & PhD)

HK\$42,100 per year (full-time/part-time)

Taught Postgraduate Programs (EMBA, MBA, MA, MSc, MPP, PGD)

Fees vary for each programs. Details at : pg.ust.hk/programs

Fully-Funded Research Postgraduate Studies



Postgraduate Studentship

- HK\$199,920 (~US\$25,600) per year
- Up to 2 years for full-time MPhil students and 4 years for full-time PhD students



Hong Kong PhD Fellowship Scheme

- A prestigious award for the best PhD students from around the world
- Stipend: HK\$301,200 (~US\$38,600) per year for 4 years
- Excellent Research Award: HK\$40,000 (~US\$5,000) in the first year
- Conference Travel Allowance: HK\$12,600 (~US\$1,600) for 4 years
- Application deadline: 1 Dec 2018



Asian Future Leaders Scholarship Program

- A scholarship program for young East, Southeast and South Asian scholars to pursue postgraduate studies and cross-cultural enrichment



Tuition Waiver Scheme for Local MPhil and PhD Students

- HK\$42,100 (~US\$5,400) per year
- Up to 2 years for full-time MPhil students and 4 years for full-time PhD students



Overseas Research Attachment

- HK\$8,000 (~US\$1,000) per month for 2-6 months
- For PhD students to engage in an overseas research attachment



Research Travel Grants

- To support full-time students to present research papers overseas



Guaranteed university accommodation for full-time research postgraduate students in the first 2 years of study

More Details: pg.ust.hk/funding



**André ARCHER
from South Africa**

**PhD Student in Civil Engineering
HK PhD Fellowship Awardee**

If you want to be the best, you need to learn from the best. I am thankful to meet with an excellent mentor at HKUST who provides a good example of what it takes to be a world-leading researcher. Also, the most important thing that HKUST has offered me is stability. With generous financial support under the Hong Kong PhD Fellowship Scheme, I am able to focus on my research without financial worries. In addition, the high-quality research conducted by my peers and teachers encourages me to always strive for distinction.



**Rafael Kioji VIVAS MAEDA
from Brazil**


PhD Student in Electronic and Computer Engineering

HKUST provides plenty of services that enhance the quality of my research. I'm particularly amazed by the computing resources available. The world-class computing facilities we have here are always up-to-date; they allow me to quickly apply all the experiments and ideas arising from my research. The university library has a fantastic view. There is nothing more pleasant than having a great view of the sea when you conduct your research and engage in your studies.

Read more about the success stories of our students:

pg.ust.hk/sharing





Ready to submit your application and seize the infinite opportunities at HKUST?

Submit Your Application

Admission Requirements

1 General Admission Requirements

For all applicants seeking postgraduate admission:

- a bachelor's degree from a recognized institution, or an approved equivalent qualification

For PhD applicants (additional to the above):

- a proven record of outstanding performance from a recognized institution or presented evidence of satisfactory work at the postgraduate level on a full-time basis for at least one year, or on a part-time basis for at least two years

2 English Language Requirements

You have to fulfill the English Language requirements with one of the following proficiency attainments*:

Proficiency Test	Minimum Scores
TOEFL – Internet-based Test (iBT)	80
TOEFL – Paper-based Test (pBT)	550
TOEFL – Revised paper - delivered test	60 (total scores for Reading, Listening and Writing sections)
IELTS (Academic Module)	Overall score: 6.5 and all sub-scores: 5.5

**You are not required to present TOEFL or IELTS score if your first language is English, or your bachelor's degree (or equivalent qualification) was awarded by an institution where the medium of instruction was English.*

3 Program-Specific Admission Requirements

Some programs may stipulate additional requirements for admissions. For details, please visit pg.ust.hk/programs.

For the most up-to-date admission requirements and information, please refer to pg.ust.hk.

Admission Timeline

2019/20 Fall Intake

3 September 2018 Applications open

1 December 2018 HKPFS applications close

December 2018 and onwards The closing dates for individual programs vary. Please check the program closing dates at pg.ust.hk/timeline and apply well before the respective deadlines

January to August 2019 Admission offers will be issued according to individual program's admission schedule

Mid-August 2019 Program registration

2019/20 Spring Intake

September 2019 Applications open

Late December 2019 Applications close

Mid-January 2020 Program registration



Apply online at pg.ust.hk/apply and get ready to learn from the best and with the best at HKUST!



It is my honor to come back and make a contribution to my alma mater – and to Hong Kong.

Naubahar SHARIF

Associate Professor in Social Science and Public Policy at HKUST
MPhil Graduate in Social Science



Now leading a research team with diverse cultural backgrounds, I am thankful for my PhD experience at HKUST, which has enabled me to play this role well.

Adetoyese OYEDUN

Post-Doctoral Fellow at University of Alberta
PhD Graduate in Chemical and Biomolecular Engineering (Energy Technology Concentration)



My time at HKUST has provided me with a solid academic and technical foundation, which is vital to my professional career development.

Lydia LEUNG

CEO at Belun Technology
MPhil & PhD Graduate in Electrical and Electronic Engineering



A research degree opened up my world to new possibilities. I can travel around the world to experience different cultures and research environments.

Shingyu LEUNG

Associate Professor in Mathematics & Associate Dean of Science at HKUST
MPhil Graduate in Mathematics



HKUST deepened my awareness of personal strengths and enabled me to develop the skills necessary to launch an entrepreneurial career.

Cayden TAN

Assistant Manager at MAPEI Malaysia Sdn Bhd
MPhil Graduate in Environmental Engineering



HKUST offers not only a fulfilling research experience but also lots of opportunities outside studies that will help you grow and realize your talents.

Jan VOSECKY

Associate Director at MCON Group
PhD Graduate in Computer Science & Engineering

Read more about the success stories of our alumni:

pg.ust.hk/sharing





Amanda SO

Co-founder of MamaHelpers,
MPhil Student in Technology Leadership and
Entrepreneurship (TLE)

Yan LEUNG

Co-founder of MamaHelpers,
MPhil Student in Technology Leadership and
Entrepreneurship (TLE)

***“We met a lot of like-minded people at HKUST.
We share the same passion for our dreams.”***

Amanda and Yan came up with an idea the first day they met at HKUST. The result from that meeting was a mobile app-based start-up that matches domestic helpers and agencies with employers. Just months after its soft launch, MamaHelpers, the first free, open domestic helper database in Hong Kong, has attracted 30,000 members, maintained a database of more than 20,000 helper profiles, and attracted 9,000 active users daily.

Throughout the journey, HKUST served more than a meeting ground. Amanda and Yan chose two supervisors who are experts in data and information management and cyber-security respectively. Both of them have offered substantial support to help the duo actualize their dream.

They have also formed a close community with the other student-entrepreneurs in their program. They learn from each other through sharing of mistakes made and lessons learned. The advice they got from them has proved to be helpful to their company.

Having received various innovation and funding awards, MamaHelpers has now confirmed partnerships in Singapore, Indonesia and the Philippines, and is poised to expand to the Southeast Asian market.

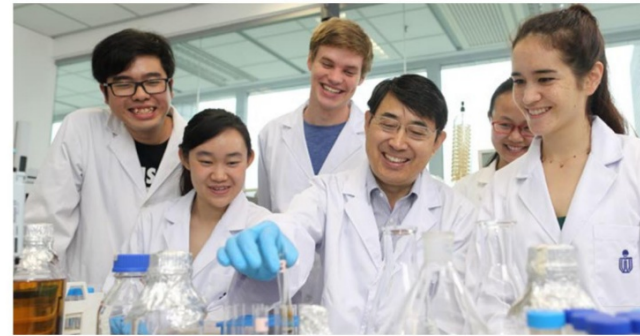
Life on Campus

We are known for our beautiful campus with breathtaking views of Clear Water Bay, and there is much more than meets the eye. This place allows you to work and play, to sweat and laugh. This is where you can call home.

Two-year Guaranteed Housing for Full-Time Research Postgraduate Students



Extensive Sports and Recreational Facilities





Nurturing the Entrepreneur

We know how it is to build something great from nothing. With state-of-the-art facilities and ample resources, we offer a place to nurture your entrepreneurial spirit and let it soar. This is where your ideas can be transformed into action.



Jan ENGELS

Co-founder of Sonikure Technology,
PhD Graduate in Chemistry,
Recipient of Overseas Research Award

Langston SUEN

Founder and CEO of Sonikure Technology,
PhD Graduate in Chemical and Biomolecular
Engineering

Matthew MAK

Co-founder of Sonikure Technology,
MPhil Graduate in Electronic and Computer
Engineering

“HKUST fosters entrepreneurship with different courses and competitions to transfer what has been learned and developed into practice.”

Jan, Langston and Matthew, who were from different programs, joined hands to bring to the market an ultrasound technology that enables drugs to be delivered into the eye painlessly without leaving side effects.

Jan recalls how his path was paved under the strong entrepreneurship culture at HKUST. He regularly joined the Be Your Own Boss seminar series organized by the Entrepreneurship Center and gained great insights on entrepreneurship. He learned about writing a business plan in a professional development course.

The trio won multiple accolades, starting with an award in the HKUST One Million Dollar Entrepreneurship Competition. They went on to win the HK Chapter championship, Asia Region championship, and the Asia Rising Star Award in the 2015 TiE International Business Plan Competition. They were also named one of 50 emerging global entrepreneurs to watch by Inc. Magazine. They subsequently founded their own company which received several funding support from HKUST and the HK government for developing a prototype and carrying out clinical studies.



Facilities to Transform Your Ideas into Action:

- HKUST Entrepreneurship Center
- HKUST Technology Transfer Center
- HKUST R and D Corporation Limited



Mapping Your Career

You may already know exactly what you want to do. Or you may still be exploring the possibilities. Regardless, your time here will help you find your niche and strategize a career roadmap that leads you to where you are meant to be.

Career Highlights



#1 in Greater China

#12 in the World

Global Employability University
Ranking 2017

380+ 
Recruiters

from international and local companies in Business,
Engineering, Education and other industries

Be inspired by the successful stories
of our alumni !



I started my company in the first year of my PG studies and received lots of help from professors who believed in my dream.

Frank WANG

Founder and CEO at DJI
MPhil Graduate in Electronic and
Computing Engineering



The path of an entrepreneur is a battle that never ends, but we always come up with solutions. That's the HKUST spirit.

Teresa LAW

Co-Founder and Managing Director
at AKOS Advanced Technology Ltd
PhD Graduate in Chemistry

Find Out More



Details:
<http://pg.ust.hk>



Research @ HKUST:
<http://pg.ust.hk/research>



This booklet was published in July 2018.
For the most up-to-date information, please refer to pg.ust.hk.



The Hong Kong University of Science and Technology

Clear Water Bay, Kowloon, Hong Kong



Discover more about HKUST

www.ust.hk