



# Hong Kong PhD Fellowship Scheme 2021/2022

## The Faculty of Engineering

- Consists of a distinguished group of internationally-renowned researchers
- Provides a collaborative and inter-disciplinary research environment of high application value
- Supported by world-class facilities and equipment

Opening Minds • Shaping the Future • 啟迪思維 • 成就未來

## Hong Kong PhD Fellowship Scheme\* will award the following for a maximum period of 3 years

- A monthly stipend of HK\$26,600 (approximately US\$3,430)
- A conference and research related travel allowance of HK\$13,300 (approximately US\$1,715) per year

[\* Remark: The Hong Kong PhD Fellowship Scheme is offered by the Research Grants Council of Hong Kong (RGC).]

## The University will award

- The same provision of the RGC as stated above during students' fourth year of study, for awardees with a four-year normal study period
- Tuition waiver scholarship for the entire normal study period

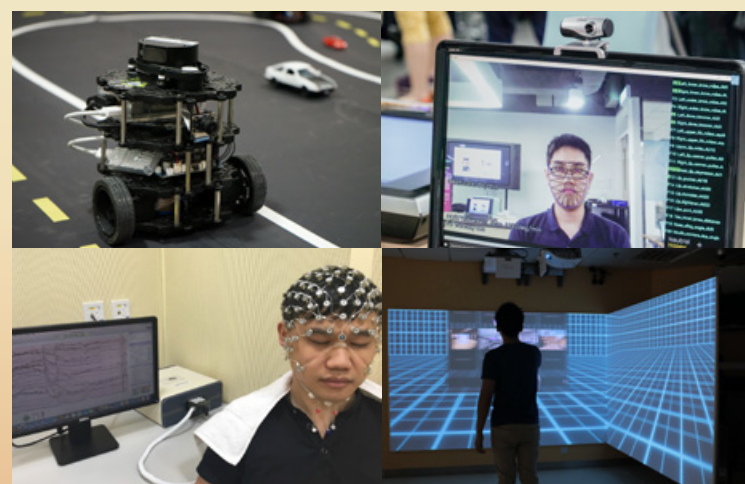
## Accommodation

- Hall accommodation will be guaranteed in the first two years of study at students' own cost

### Department of Computing

#### Research Areas

- Artificial Intelligence and Big Data Computing
- Blockchain, Cyber Security and Privacy
- Networking and Mobile Computing
- Pattern Recognition and Natural Language Processing
- Graphics, Multimedia and Virtual Reality
- Systems Modelling and Software Engineering



Enquiries:  
Ms Jolie Chick  
✉ [comp.phd@polyu.edu.hk](mailto:comp.phd@polyu.edu.hk)

### Department of Biomedical Engineering

#### Research Areas

- Medical Imaging and Biosensing
- Molecular and Cellular Engineering
- Neuromusculoskeletal Science and Engineering
- Prosthetics, Orthotics, and Rehabilitation Engineering



Enquiries:  
Miss Dawn Li  
✉ [dawn.li@polyu.edu.hk](mailto:dawn.li@polyu.edu.hk)

### Department of Electrical Engineering

#### Research Areas

- Electric Vehicles
- Electricity Utilisation, Condition Monitoring and Asset Management
- Photonics – Photonics Crystal Fibres and Polymer Fibres, Fibre Sensors and Communications
- Power Electronics and Drive
- Power Systems
- Renewable Energy
- Smart Materials, Devices and Applications
- Smart Mobility



Enquiries:  
Miss Anita Au  
✉ [anita.au@polyu.edu.hk](mailto:anita.au@polyu.edu.hk)

### Department of Electronic and Information Engineering

#### Research Areas

- Future Wireless Networks, Intelligent Energy Systems and IoT
- Optical Communications and Networks
- Optics and Photonics
- Signal Processing and Artificial Intelligence
- Thin Film Optoelectronics

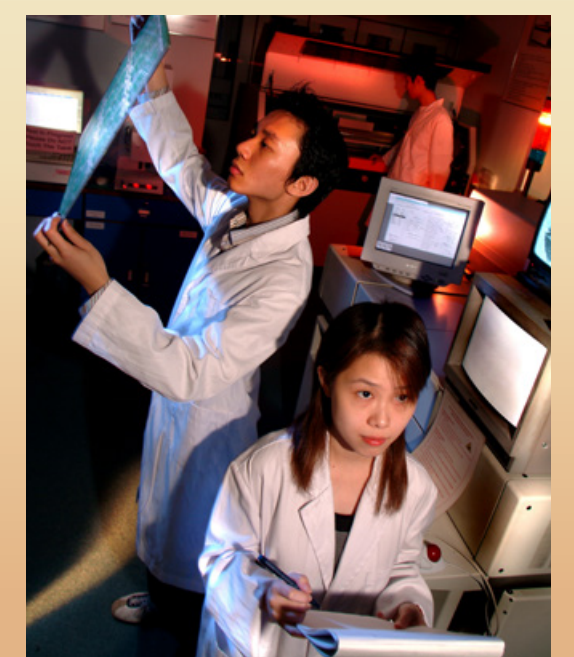


Enquiries:  
Ms Phyllis Cheung  
✉ [phyllis.cheung.eie@polyu.edu.hk](mailto:phyllis.cheung.eie@polyu.edu.hk)

### Department of Industrial and Systems Engineering

#### Research Areas

- Advanced Materials Processing Technologies
- Advanced Optics Manufacturing (State Key Laboratory of Ultra-precision Machining Technology)
- Aviation and Transportation Logistics
- Operations and Supply Chain Management
- Products Design and Miniaturization
- Smart Manufacturing and Robotics



Enquiries:  
Miss Iris Ko  
✉ [iris.ko@polyu.edu.hk](mailto:iris.ko@polyu.edu.hk)

### Department of Mechanical Engineering

#### Research Areas

- Advanced Materials and Processing
- Aerospace Engineering
- Clean Energy and Energy Storage
- Robotics and Control
- Sound and Vibration
- Thermofluids and Combustion



Enquiries:  
Ms Lily Tam  
✉ [lily.tam@polyu.edu.hk](mailto:lily.tam@polyu.edu.hk)

### Interdisciplinary Division of Aeronautical and Aviation Engineering

#### Research Areas

- Aerodynamics
- Aerospace Propulsion and Combustion
- Aerospace Structures and Materials
- Aviation Engineering
- Flight Mechanics and Control
- Satellite Communication and Navigation



Enquiries:  
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✉ [connie.chan@polyu.edu.hk](mailto:connie.chan@polyu.edu.hk)

## Key Dates

Date	Milestones
1 September 2020 at Hong Kong Time 12:00 (GMT+8 hours)	Call for applications
1 December 2020 at Hong Kong Time 12:00 (GMT+8 hours)	Deadline for submitting initial applications to the Research Grants Council (RGC) by the applicants for allocation of reference numbers
2 December 2020 at Hong Kong Time 23:59 (GMT+8 hours)	Deadline for submission of full applications and payment of application fee through the eAdmission System of PolyU ( <a href="http://www.polyu.edu.hk/admission">http://www.polyu.edu.hk/admission</a> )
Late March / early April 2021	Notification of results by RGC via email

Each application received by PolyU will concurrently be processed as a normal application for PhD admission.

Remark: Information presented in this leaflet is subject to changes and does not form part of any contract between the University and any person.

## About the Hong Kong PhD Fellowship Scheme:

- UGC's website of the Fellowship Scheme : <https://cerg1.ugc.edu.hk/hkphs/index.html>

- PolyU's promotional website : <http://www.polyu.edu.hk/ro/hkphd-fellowship>

## About the Faculty of Engineering:

- [www.polyu.edu.hk/feng](http://www.polyu.edu.hk/feng)







*“Research with an impact  
Research for a better world”*

# Hong Kong PhD Fellowship Scheme 2021/2022

## The Hong Kong Polytechnic University (PolyU)

- a government-funded university in the Hong Kong Special Administrative Region of the People's Republic of China;
- a long and proud history of providing internationally competitive professionally oriented education;
- a strong team of academic staff with solid experience in supervising research postgraduate students; and
- many of our Chair Professors / Professors being internationally leading experts in their research areas.

We conduct world-class research in a large number of areas and our research emphasizes high application value. Our ideas have made the world we live in a better place.

## The Faculty of Engineering

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- Provides a collaborative and inter-disciplinary research environment of high application value
- Supported by world-class facilities and equipment

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- The same provision of the RGC as stated above during students' fourth year of study, for awardees with a four-year normal study period
- Tuition waiver scholarship for the entire normal study period

## Accommodation

- Hall accommodation will be guaranteed in the first two years of study at students' own cost

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The Hong Kong Polytechnic University (PolyU) ranks high in the world in Engineering, Technology and Computer Science. We have achieved the following recognitions:

#### Best Global Universities Rankings 2020 by the U.S. News and World Report

- 20<sup>th</sup> in the subject of "Engineering"
- 40<sup>th</sup> in the subject of "Computer Science"

#### Quacquarelli Symonds (QS) World University Rankings 2020

- 82<sup>nd</sup> in the broad subject area of "Engineering and Technology"
- 51-100 in the subjects of "Computer Science and Information Systems" as well as "Engineering - Electrical and Electronic"
- 101-150 in the subject of "Engineering - Mechanical, Aeronautical and Manufacturing"

#### Academic Ranking of World Universities (ARWU) 2020

- 28<sup>th</sup> in the subject of "Mechanical Engineering"
- 41<sup>st</sup> in the subject of "Computer Science and Engineering"
- 76-100 in the subject of "Material Science and Engineering"
- 101-150 in the subject of "Electrical and Electronic Engineering"

#### Times Higher Education World University Rankings 2020

- 96<sup>th</sup> in the subject of "Engineering and Technology"

#### Field-Weighted Citation Impact of Artificial Intelligence (AI) research

- 8<sup>th</sup>, the highest ranking among Hong Kong universities under the study by Times Higher Education and supported by Elsevier's Scopus database

(Note: The respective subjects above cover the Faculty of Engineering as well as individual units across PolyU working in the area.)



## Welcome to join us today!

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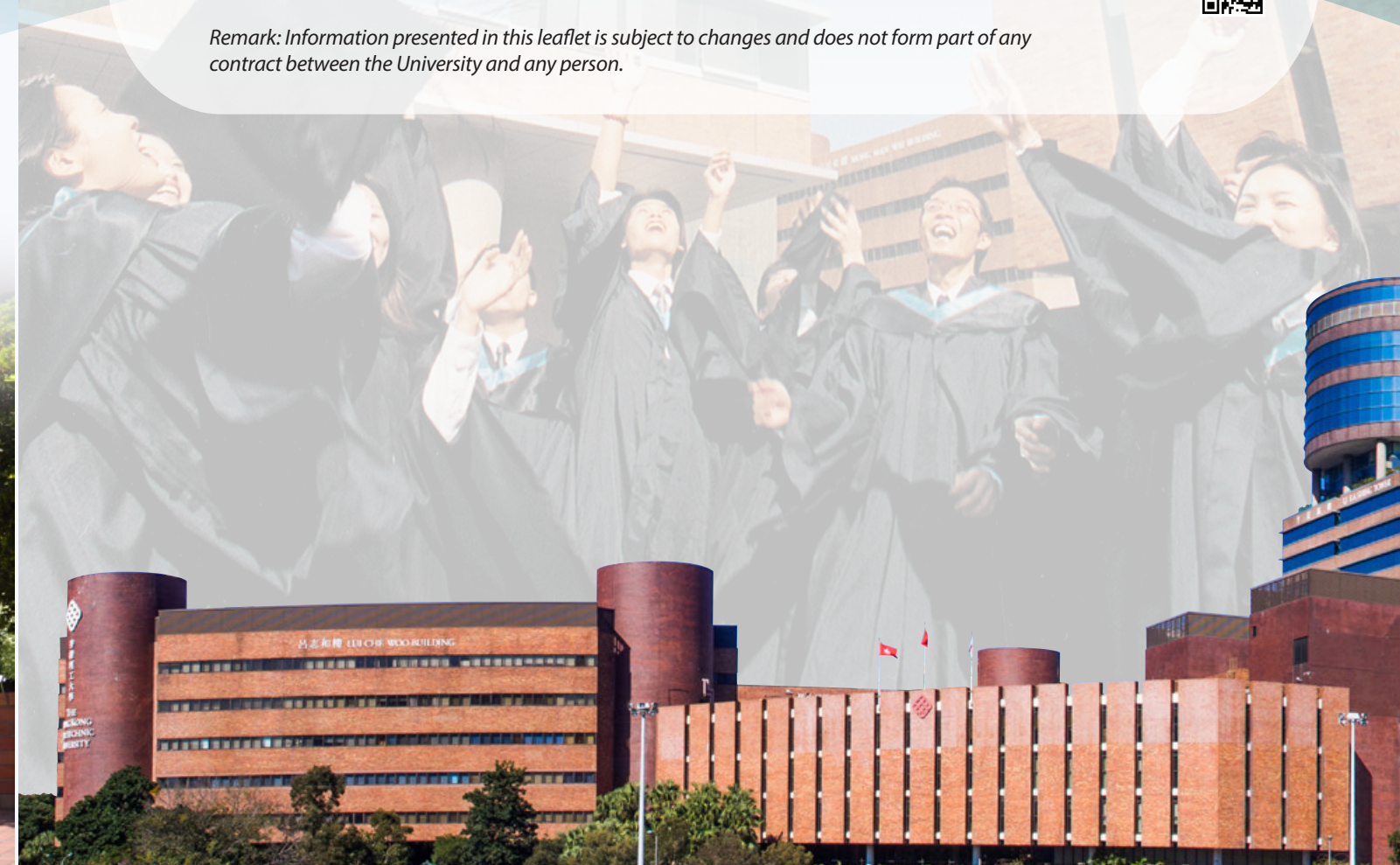
- UGC's website of the Fellowship Scheme: <https://cerg1.ugc.edu.hk/hkpfs/index.html>
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### About the Faculty of Engineering: [www.polyu.edu.hk/feng](http://www.polyu.edu.hk/feng)



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# Hong Kong PhD Fellowship Scheme 2021/2022

Our Seven Departments/Division are offering a wide range of research opportunities:

The PolyU Faculty of Engineering invites applications from Science and Engineering Graduates, with evidence of academic excellence, research ability and potential, cultural diversity, leadership ability and societal responsibilities, good communication and interpersonal skills, for full-time PhD study in Hong Kong within the Hong Kong PhD Fellowship Scheme.

Candidates must satisfy the academic qualification and English language requirement of the University.



## Department of Biomedical Engineering

The Department of Biomedical Engineering integrates engineering and life sciences to enable engineering innovations for biomedical applications.

### Research Areas

- Medical Imaging and Biosensing
- Molecular and Cellular Engineering
- Neuromusculoskeletal Science and Engineering
- Prosthetics, Orthotics, and Rehabilitation Engineering

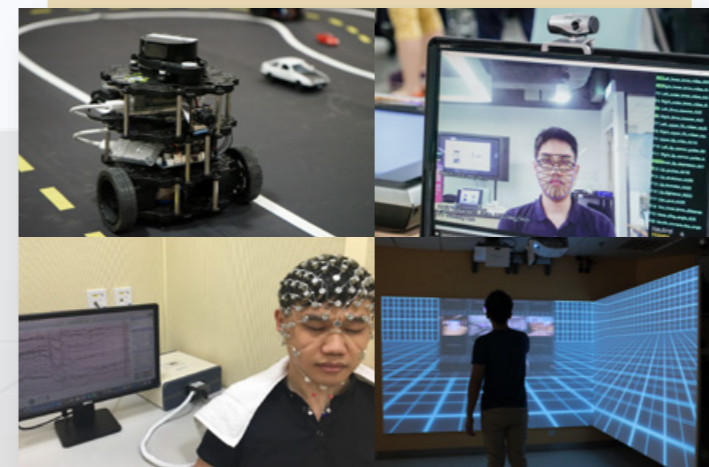
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## Department of Computing

The Department of Computing focuses on multidisciplinary research by strengthening our efforts in developing selected niche research areas that will ultimately lead to high impact in the field of technology transfer.

### Research Areas

- Artificial Intelligence and Big Data Computing
- Blockchain, Cyber Security and Privacy
- Networking and Mobile Computing
- Pattern Recognition and Natural Language Processing
- Graphics, Multimedia and Virtual Reality
- Systems Modelling and Software Engineering



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## Department of Electrical Engineering

The Department of Electrical Engineering is the only department in Hong Kong specializing in electrical power systems. We are well equipped with the latest and the most advanced facilities for cutting edge research in the field.

### Research Areas

- Electric Vehicles
- Electricity Utilisation, Condition Monitoring and Asset Management
- Photonics – Photonics Crystal Fibres and Polymer Fibres, Fibre Sensors and Communications
- Power Electronics and Drive
- Power Systems
- Renewable Energy
- Smart Materials, Devices and Applications
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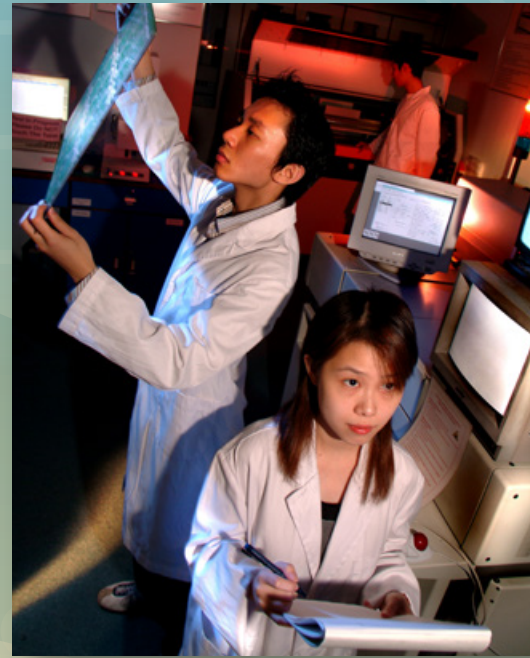


## Department of Electronic and Information Engineering

The Department of Electronic and Information Engineering is well equipped with state-of-the-art facilities for cutting edge R&D activities illustrated in various fields of electronic components and systems.

### Research Areas

- Future Wireless Networks, Intelligent Energy Systems and IoT
- Optical Communications and Networks
- Optics and Photonics
- Signal Processing and Artificial Intelligence
- Thin Film Optoelectronics



## Department of Industrial and Systems Engineering

The Department of Industrial and Systems Engineering offers a dynamic discipline that enables people to understand and solve complex technological, economic and social problems from a systems perspective.

### Research Areas

- Advanced Materials Processing Technologies
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## Department of Mechanical Engineering

The Department of Mechanical Engineering aspires to carry out high quality research of both fundamental and applied nature, and to develop the cutting-edge technology to meet the industrial and societal needs through active technology transfer.

### Research Areas

- Advanced Materials and Processing
- Aerospace Engineering
- Clean Energy and Energy Storage
- Robotics and Control
- Sound and Vibration
- Thermofluids and Combustion



## Interdisciplinary Division of Aeronautical and Aviation Engineering

The Interdisciplinary Division of Aeronautical and Aviation Engineering carries out research aiming at enhancing the efficiency, safety and productivity of the booming aviation industry throughout the world.

### Research Areas

- Aerodynamics
- Aerospace Propulsion and Combustion
- Aerospace Structures and Materials
- Aviation Engineering
- Flight Mechanics and Control
- Satellite Communication and Navigation



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