

# DEPARTMENT OF COMPUTING

## Hong Kong PhD Fellowship Scheme

The Research Grant Council (RGC) of the Hong Kong University Grants Committee (UGC) is committed to promoting world-class research in Hong Kong. Through the Hong Kong PhD Fellowship Scheme (HKPFS), Hong Kong's outstanding universities offer research opportunities in a broad range of PhD programmes, with generous stipends and excellent support for the best and brightest students in the world. Established by the RGC in 2009, the prestigious HKPFS has brought more than one thousand top students from over seventy countries/ regions to Hong Kong to undertake PhD studies. Successful candidates of HKPFS will be awarded the following:

- An annual stipend of HK\$319,200 up to three years; and
- An annual conference and research-related travel allowance of HK\$13,300 up to three years offered by Hong Kong RGC.

PolyU and the Department of Computing aim at attracting talents from all corners of the globe to pursue their PhD studies here. In addition to HKPFS award, we provide the following to the awardees:

- The fourth-year stipend and travel allowance with the same provision for awardees with a Bachelor's degree only (normal study period will be four years instead of three years);
- Tuition waiver scholarships for the entire normal study period;
- Guaranteed hall accommodation for two years; and
- Sponsorship for exchange in the top US and European universities for 6 to 12 months.

Please visit [www.polyu.edu.hk/ro/hkphd-fellowship](http://www.polyu.edu.hk/ro/hkphd-fellowship) for more details.



# Proud History and Achievement

The Department of Computing (COMP) has a proud history over 45 years. It was established in 1974 as the first department offering computing education in the territory, nurturing professional talents to support the society's advancement. Today, COMP has gained international recognition in world-class research and high quality education.



40<sup>th</sup>

2020 World Ranking in Computer Science



41<sup>st</sup>

2020 World Ranking in Computer Science & Engineering



98<sup>th</sup>

2020 World Ranking in Computer Science



51<sup>st</sup>-100<sup>th</sup>

2020 World Ranking in Computer Science & Information Systems

Among our dedicated team of academic staff, there are four IEEE Fellows, one IAPR Fellow, one IET/IEEE Fellow, one Member of Academia Europaea, and one Highly Cited Researcher in Engineering for 5 consecutive years (2015 - 2019).

## About PolyU

Over the past 80 years, PolyU has developed into one of the top universities in Asia and the world. The University has borne the seeds of generations of scholars, professionals and entrepreneurs capable of contributing to the world on different fronts.



## Multidisciplinary Research Groups

We categorise the strengths of our faculty members and research personnel into six clearly defined Research Groups of expertise in which they produce globally recognised research achievements, including winning of competitive research grants, publications in prestigious journals, collaborations with industry giants and research papers presented in the following top conferences.

### Areas

### Representative Venues for Publication

Artificial  
Intelligence &  
Robotics

#### **The 28<sup>th</sup> International Joint Conference on Artificial Intelligence (IJCAI 2019)**

Paper presented: Attributed Graph Clustering via Adaptive Graph Convolution

#### **The 34<sup>th</sup> AAAI Conference on Artificial Intelligence (AAAI 2020)**

Paper presented: Adversarial Deep Network Embedding for Cross-network Node Classification

Cyber Security  
& Privacy

#### **The 41<sup>st</sup> ACM/IEEE International Conference on Software Engineering (ICSE 2019)**

Paper presented: Graph Embedding based Familial Analysis of Android Malware using Unsupervised Learning

#### **The 26<sup>th</sup> ACM Conference on Computer and Communications Security (ACM CCS 2019)**

Paper presented: Power Adjusting and Bribery Racing: Novel Mining Attacks in the Bitcoin System

Data Science,  
Information  
Retrieval &  
Human  
Computer  
Interaction

### **The 35<sup>th</sup> IEEE International Conference on Data Engineering (ICDE 2019)**

Paper presented: Incorporating Latent Space Correlation Coefficients to Collaborative Filtering

### **The 27<sup>th</sup> ACM International Conference on Multimedia (ACM-MM 2019)**

Paper presented: Moment-to-Moment Detection of Internal Thought during Video Viewing from Eye Vergence

Fundamentals  
& Software

### **The 41<sup>st</sup> ACM/IEEE International Conference on Software Engineering (ICSE 2019)**

Paper presented: Easy Modelling and Verification of Unpredictable and Preemptive Interrupt-driven Systems

### **The 40<sup>th</sup> IEEE Real-time Systems Symposium (RTSS 2020)**

Paper presented: Suspension-Based Locking Protocols for Parallel Real-Time Tasks

Networking &  
Mobile  
Computing

### **The 39<sup>th</sup> IEEE International Conference on Computer Communications (INFOCOM 2020)**

Paper presented: Push the Limit of Acoustic Gesture Recognition

### **The 25<sup>th</sup> ACM Annual International Conference on Mobile Computing and Networking (MobiCom 2019)**

Paper presented: Rebooting Ultrasonic Positioning Systems for Ultrasound-incapable Smart Devices

Vision,  
Language &  
Graphics

### **The 42<sup>nd</sup> International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2019)**

Paper presented: Social Attentive Deep Q-network for Recommendation

### **The 31<sup>st</sup> IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR 2018)**

Paper presented: A PID Controller Approach for Stochastic Optimization of Deep Networks

# COMP PhD Student Recruitment Scheme

## **Excellent Support and Research Environment**

The Department has been committed to providing excellent technical and financial support. The remuneration package and research environment for PhD students include:

- A scholarship for at least 3 years with an annual stipend of HK\$217,200;
- World-class laboratories and state-of-the-art facilities;
- Financial support to attend top international conferences for paper presentations; and
- Opportunities for academic exchange in top overseas universities.

## **Admission Requirements**

- Graduated from a prestigious university with excellent academic performance;
- Attained outstanding TOFEL or IETLS results;
- Won various competition awards and other honours; and
- Demonstrate leadership abilities and research skills.

**Please contact our Professors for consultancy before application.**  
(<https://www.comp.polyu.edu.hk/en-us/staffs/index/1>)

# Application and Enquiries

[www.polyu.edu.hk/study/rpg/](http://www.polyu.edu.hk/study/rpg/)

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