

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\$240,000 up to three years; and
- An annual conference and research-related travel allowance of HK\$10,000 up to three years.

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:

- An annual scholarship of HK\$120,000 offered by the Department for the entire normal study period;
- A waiver of the annual tuition fee of HK\$42,100 offered by PolyU;
- A stipend of HK\$20,000/month and travel allowance of HK\$10,000/month during the fourth year of study for awardees with a four-year normal study period offered by PolyU;
- Guaranteed hall accommodation for the first year of study; and
- Sponsorship for exchange in top US and European universities for 6 to 12 months.

Please visit www.polyu.edu.hk/ro/hkphd-fellowship for more details.



Proud History and Achievement

The Department of Computing (COMP) has a proud history of over 40 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. It is ranked 49 in the QS World University Rankings by Subject 2016 - Computer Science & Information Systems and ranked 35th in Computer Science in the "Best Global Universities Rankings" released by the U.S. News and World report.

COMP has made significant contributions to research that makes impact. It engages in extensive spectrum of research areas, with a strategic focus in big data analytics, human-centered computing and cyber security. It demonstrates its research capabilities through impressive records of winning competitive research grants, high quality publications in prestigious journals and conferences, and strong industrial collaborations.

3-Tier Research Framework

The Department concentrates on high-quality, interdisciplinary research which aims at creating new computing related knowledge and benefits for the entire world. We have established a three-tier framework with a common research infrastructure for achieving that goal.

Tier 1

Tier 1 of our strategic research framework focuses our overall research efforts on the Department-Driven Initiatives, shaping our drive to provide ground-breaking innovations in truly smart computing. Current focus areas are big data analytics, human-centered computing and cyber security.

Tier 2

Tier 2 of our strategic research framework provides the backbone to Tier 1, grouping the existing strengths of our faculty members and research personnel into different clearly defined areas of departmental expertise in which they produce globally recognised research achievements.

- Big Data Analytics and Information Retrieval
- Graphics, Visualisation and Multimedia
- Human-Centered Computing
- Networking and Mobile Computing
- Pattern Recognition and Machine Intelligence
- Systems and Software Engineering
- Algorithms and Formal Methods



COMP PhD Student Recruitment Scheme

Excellent Support and Research Environment

The Department has been committed to providing excellent support, both technically and in finance. The remuneration package and research environment for PhD students include:

- A scholarship for at least 3 years with an annual stipend of HK\$188,400;
- World-class laboratories and state-of-the-art facilities;
- Unlimited 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.

COMPUTING

Strategic research themes and application areas

Areas of departmental expertise

Challenging and hot research topics

Tier 3

Tier 3 of the Department's strategic approach to research includes cross-area research centres and laboratories in which interdisciplinary work is conducted on strategic applications that are in high demand. Strong partnerships established with local and international academic institutions and industry players are noteworthy here, allowing us to establish joint laboratories and successfully complete projects with high impact and significance.

JOINT LABORATORIES

- PolyU-Yonyou Joint Laboratory on Smart Cloud Computing
 - PolyU-IBM Enterprise Data Analytics Laboratory
 - PolyU-Microsoft Smart Computing Laboratory
- PolyU Branch of Ministry of Education Key Laboratory of Machine Intelligence and Advanced Computing
 - Advanced Enterprise Infrastructure Lab/ PolyU-SYSU Networked Lab on Creative Application

DEPARTMENT CENTRES AND LABORATORIES

- Computer-Human Interaction (CHI) Laboratory
- Human Language Technology Laboratory
- Internet and Mobile Computing Laboratory
 - Cyber Security and Privacy Laboratory
 - Pervasive Visual Computing Laboratory
 - Visual Analytics Laboratory
 - Biometric Research Centre
 - Cognitive Computing Laboratory
- Laboratory for Software Development & Management
- Cyber-Physical Systems (CPS) and Embedded Systems Laboratory

Application and Enquiries

Please refer to the department website:
www.comp.polyu.edu.hk for further information.

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Computing for the **FUTURE**

