



technology innovation
products materials logistics
HONG KONG
PhD Fellowship Scheme
2024-2025
engineering
management robotics

The Research Grants Council (RGC) of HKSAR is inviting applications for the "Hong Kong PhD Fellowship Scheme" 2024-2025. Students from worldwide will be recruited to pursue their PhD studies in Hong Kong. The Scheme will support students selected through open competition.

In addition to the monthly stipend of HK\$27,600 (i.e. approximately US\$3,538) and a travel allowance of HK\$13,800 (i.e. approximately US\$1,760) per year for a maximum of three years awarded by the RGC*, each awardee of The Hong Kong Polytechnic University will also enjoy a 3-year tuition scholarship.

We invite you to apply for the Scheme and to join
Department of Industrial and Systems Engineering,
The Hong Kong Polytechnic University.

About The Hong Kong Polytechnic University (PolyU)

PolyU is a government-funded university in the Hong Kong Special Administrative Region of the People's Republic of China. We have the largest number of students among the eight government-funded institutions in Hong Kong, and have a long and proud history of providing internationally competitive and professionally oriented education. We conduct world-class research in a large number of areas and our research emphasises high application value. PolyU has been ranked 65th in the "QS World University Rankings 2024" and 26th in the "QS Asia University Rankings 2023".



About the Department of Industrial and Systems Engineering (ISE)

The Department of Industrial and Systems Engineering was founded in 1950's. We are a dynamic and multi-disciplinary Department with a very strong background in applied research. Over the years, the profile of the Department has broadened its scope, and now covers both the industrial and the service sectors.

We have a critical mass of academic staff members who are world-class researchers in the strategic research areas of the Department, and whose research activities are supported by state-of-the-art research facilities and centres. These include the State Key Laboratory of Ultra-precision Machining Technology, Laser Materials Processing Laboratory, Netshape Manufacturing Technology Unit, Advanced Optics Manufacturing Centre, Printed Circuit Board Technology Centre, Materials Engineering Laboratory, Behaviour and Knowledge Engineering Research Centre, PolyU-Microsoft Enterprise Systems Centre, the Micro/Nano Fabrication Laboratory, Cyber-Physical Systems Laboratory, the Ng Tat Lun Digital Factory and the Integrated Product Design Laboratory.

(Please visit our website: <https://www.polyu.edu.hk/ise/>)

The Department offers PhD research degree programmes in various areas, as in the list below. You are most welcome to approach the corresponding staff member for academic advice.

Advanced Materials Processing Technologies

Laser materials processing and 3D printing

Prof. H.C. Man (tel: 2766 6629; email: hc.man@polyu.edu.hk)
Prof. K.C. Chan (tel: 2766 4981; email: kc.chan@polyu.edu.hk)
Dr X.S. Yang (tel: 2766 6604; email: xusheng.yang@polyu.edu.hk)
Dr Sitman Wen (tel: 3400 2473; email: xw.wen@polyu.edu.hk)

Materials technology

Prof. H.C. Man (tel: 2766 6629; email: hc.man@polyu.edu.hk)
Prof. K.C. Chan (tel: 2766 4981; email: kc.chan@polyu.edu.hk)
Prof. C.Y. Tang (tel: 2766 6608; email: cy.tang@polyu.edu.hk)
Dr Gary Tsui (tel: 3400 3254; email: gary.c.p.tsui@polyu.edu.hk)
Dr Zibin Chen (tel: 2766 6602; email: zi-bin.chen@polyu.edu.hk)
Dr Z.L. Xu (tel: 2766 6590; email: zhenglong.xu@polyu.edu.hk)
Dr X.S. Yang (tel: 2766 6604; email: xusheng.yang@polyu.edu.hk)
Dr Sitman Wen (tel: 3400 2473; email: xw.wen@polyu.edu.hk)

Design and characterize advanced functional materials for electrical devices

Dr Zibin Chen (tel: 2766 6602; email: zi-bin.chen@polyu.edu.hk)

Precision Engineering (State Key Laboratory of Ultra-precision Machining Technology)

Ultra-precision machining technologies, precision manufacturing, advanced optics manufacturing and precision metrology

Prof. Benny Cheung (tel: 2766 7905; email: benny.cheung@polyu.edu.hk)
Prof. Sandy To (tel: 2766 6587; email: sandy.to@polyu.edu.hk)
Dr Chunjin Wang (tel: 3400 3190; email: chunjin.wang@polyu.edu.hk)
Dr Wai Sze Yip (tel: 2766 6598; email: lenny.ws.yip@polyu.edu.hk)
Dr Sitman Wen (tel: 3400 2473; email: xw.wen@polyu.edu.hk)

Product Design and Miniaturization

Healthcare product design, nanoparticle based biosensing technique and biosensor miniaturisation

Dr Roy W.C. Law (tel: 2766 6607; email: roy.law@polyu.edu.hk)

Immersive environment designs: augmented reality, and virtual reality (Metaverse)

Dr Paul Lee (tel: 2766 6603; email: lik-hang.lee@polyu.edu.hk)

Smart Manufacturing and Robotics

Mechatronics and control, product innovation, intelligent product development and micro-injection and micro-fabrication

Prof. K.L. Yung (tel: 2766 6592; email: kl.yung@polyu.edu.hk)

Robotics and automation, intelligent control, compliant mechanism and micro/nano manipulation

Prof. Y.M. Li (tel: 2766 4978; email: yangmin.li@polyu.edu.hk)
Dr Lidong Yang (tel: 2766 4980; email: lidong.yang@polyu.edu.hk)
Dr Zaixin Song (tel: 2766 6609; email: zaixin.song@polyu.edu.hk)
Dr Chao Huang (tel: 2766 4226; email: hchao.huang@polyu.edu.hk)

Quality, reliability, safety and innovation

Dr Xiaoge Zhang (tel: 2766 6583; email: xiaoge.zhang@polyu.edu.hk)

Smart product-service system, engineering design informatics, industrial intelligence, and manufacturing servitisation

Dr P. Zheng (tel: 2766 5633; email: pai.zheng@polyu.edu.hk)

Medical robots, bio-inspired robots, robot control and AI for robotics

Dr Teng Long (tel: 2766 4183; email: eric-long.teng@polyu.edu.hk)

Manufacturing digitalization, industrial blockchain, and privacy computing

Prof. G.Q. Huang (tel: 2766 6586; email: gq.huang@polyu.edu.hk)
Dr Li Ming (tel: 2766 4596; email: ming.li@polyu.edu.hk)
Dr Zhe Peng (tel: 2766 6310; email: jeffrey-zhe.peng@polyu.edu.hk)
Dr Paul Lee (tel: 2766 6603; email: lik-hang.lee@polyu.edu.hk)

Micro-/nanorobot, microrobotic systems and control, and automation at micro-/nanoscale

Dr Lidong Yang (tel: 2766 4980; email: lidong.yang@polyu.edu.hk)

Spatial-temporal analytics, digital twin, industrial IoT, and smart logistics

Dr Zhao Zhiheng (tel: 2766 6630; email: zhiheng.zhao@polyu.edu.hk)

Operations and Supply Chain Management

Green logistics, inventory management, demand forecasting, and sourcing decisions

Dr Carman Lee (tel: 3400 3899; email: ckm.lee@polyu.edu.hk)

Logistics and supply chain management, distribution scheduling and optimisation strategy

Prof. X.W. Fu (tel: 2766 6329; email: xiaowen.fu@polyu.edu.hk)
Prof. G.Q. Huang (tel: 2766 6586; email: gq.huang@polyu.edu.hk)
Dr Nick S.H. Chung (tel: 3400 3790; email: nick.sh.chung@polyu.edu.hk)
Dr K. Wang (tel: 2766 6578; email: allen-kun.wang@polyu.edu.hk)
Dr M. Xu (tel: 2766 6593; email: min.m.xu@polyu.edu.hk)
Dr Windy X. Wen (tel: 2766 4977; email: windy.wen@polyu.edu.hk)
Dr Zhe Peng (tel: 2766 6310; email: jeffrey-zhe.peng@polyu.edu.hk)

Modelling for energy, environment, and sustainability

Dr J.Z. Ren (tel: 2766 6596; email: jzhren@polyu.edu.hk)

Knowledge engineering and management, and technology management

Prof. Benny Cheung (tel: 2766 7905; email: benny.cheung@polyu.edu.hk)

Knowledge management, intellectual capital management, innovation management and big data

Dr Muhammad Saleem Sumbal (tel: 3400 3002; email: saleemkhan.sumbal@polyu.edu.hk)

Intelligent decision support system and multi-criteria decision analysis

Dr J.Z. Ren (tel: 2766 6596; email: jzhren@polyu.edu.hk)
Dr Paul Y.P. Tsang (tel: 2766 4662; email: yungpo.tsang@polyu.edu.hk)

Logistics and supply chain technologies

Dr Paul Y.P. Tsang (tel: 2766 4662; email: yungpo.tsang@polyu.edu.hk)

Aviation and Transportation Logistics

Transport modelling and data analysis, aviation and maritime studies and industrial organization analysis for the transport industry

Prof. X.W. Fu (tel: 2766 6329; email: xiaowen.fu@polyu.edu.hk)
Dr K. Wang (tel: 2766 6578; email: allen-kun.wang@polyu.edu.hk)
Dr Chao Huang (tel: 2766 4226; email: hchao.huang@polyu.edu.hk)

Sustainable transportation

Dr J.Z. Ren (tel: 2766 6596; email: jzhren@polyu.edu.hk)
Dr M. Xu (tel: 2766 6593; email: min.m.xu@polyu.edu.hk)

Aviation scheduling and advanced data analytics

Dr Windy X. Wen (tel: 2766 4977; email: windy.wen@polyu.edu.hk)

To discuss the possibility of pursuing a research topic not covered in the list above, please contact the Chairman of Departmental Research Committee, Dr Nick Chung at (852) 3400 3790; email: nick.sh.chung@polyu.edu.hk



Department of Industrial and Systems Engineering The Hong Kong Polytechnic University

Welcome to join us!

(1) Submission of an initial application to Research Grants Council

<https://cerg1.ugc.edu.hk/hkpfs/InitApplication.jsp>

(2) Submission of a full application to PolyU

<http://www.polyu.edu.hk/admission>

Application Period

1 September 2023 to 1 December 2023 at 12:00 noon Hong Kong Time
(or +8 hours GMT)*

Enquiry: Mr Oliver Lee (email: kin-hei-oliver.lee@polyu.edu.hk)

Department's website: www.polyu.edu.hk/ise/

(This leaflet is subject to review and change by Dept of ISE from time to time.)

