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 2022 to 1 December 2022 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.)

The Hong Kong Polytechnic University
Department of Industrial and Systems Engineering

The Research Grants Council (RGC) of HKSAR is inviting applications for
the "Hong Kong PhD Fellowship Scheme" 2023-2024. 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$27,100 (i.e. approximately
US$3,470) and a travel allowance of HK$13,600 (i.e. approximately
US$1,740) 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.

*Please visit the RGC website https://cerg1.ugc.edu.hk/hkpfs/index.html for updates
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 2023" and 25th in the "QS Asia University Rankings 2022".

About the Department of Industrial and Systems Engineering (ISE)

The Department of Industrial and Systems Engineering was founded in 1950s. We are a dynamic and multi-disciplinary Department very strong 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 with the research activities 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, Biomedical and Knowledge Engineering Research Centre, PolyU-Microsoft Enterprise Systems Centre, the Micro/Nano Fabrication Laboratory, Cyber-Physical Systems Laboratory, the Nt Tet 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 Zilbin Chen (tel: 2766 6602; email: zibin.chen@polyu.edu.hk)
Dr X.S. Yang (tel: 2766 6604; email: xusheng.yang@polyu.edu.hk)
Dr Aamer Nazir (tel: 2766 6630; email: aamer.nazir@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.tsui@polyu.edu.hk)
Dr Zilbin Chen (tel: 2766 6602; email: zibin.chen@polyu.edu.hk)
Dr Z.L. Xu (tel: 2766 6592; email: zhuxu@polyu.edu.hk)
Dr J.H. Chung (tel: 2766 6604; email: xusheng.yang@polyu.edu.hk)
Dr C.H. Wong (tel: 2766 5393; email: roych.wong@polyu.edu.hk)

Electronic assembly and LED technologies, green materials, green product design and green manufacturing
Prof. Wincok C.K. Yang (tel: 2766 6595; email: wincokc.yang@polyu.edu.hk)

Net Shape forming and blanking, and process simulation
Prof. L.C. Chan (tel: 2766 6634; email: l.c.chan@polyu.edu.hk)

Design and characterise advanced functional materials for electrical devices
Dr Zilbin Chen (tel: 2766 6602; email: zibin.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 Chunjing Wang (tel: 3400 3190; email: chunjing.wang@polyu.edu.hk)
Dr Wai See Yip (tel: 2766 6598; email: wseeyip@polyu.edu.hk)
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 emphasis is high application value. PolyU has been ranked 65th in the “QS World University Rankings 2023” and 25th in the “QS Asia University Rankings 2022”.

About the Department of Industrial and Systems Engineering (ISE)

The Department of Industrial and Systems Engineering was founded in 1950s. We are a dynamic and multi-disciplinary Department very strong 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 with the resources 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, Netsense Manufacturing Technology Unit, Advanced Optics Manufacturing Centre, Printed Circuit Board Technology Centre, Materials Engineering Laboratory, Bioengineering and Knowledge Engineering Research Centre, PolyU-Microsoft Enterprise Systems Centre, the Micro/Nano Fabrication Laboratory, Cyber-Physical Systems Laboratory, the NCTU Digital Factory and the Integrated Product Design Laboratory.

(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 Zilin Chen (tel: 2766 6602; email: zilin.chen@polyu.edu.hk)
  - Dr X.S. Yang (tel: 2766 6604; email: xsheng.yang@polyu.edu.hk)
  - Dr Aamer Nazir (tel: 2766 6630; email: aamer.nazir@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 Cary Tse (tel: 3400 3254; email: cary.tse@polyu.edu.hk)
  - Dr Zilin Chen (tel: 2766 6602; email: zilin.chen@polyu.edu.hk)
  - Dr Z.L. Xu (tel: 2766 6659; email: zlxu@polyu.edu.hk)
  - Dr X.S. Yang (tel: 2766 6604; email: xsheng.yang@polyu.edu.hk)
  - Dr C.H. Wong (tel: 2766 5393; email: chwong@polyu.edu.hk)

- Electronic assembly and LED technologies, green materials, green product design and green manufacturing
  - Prof. Winco K.C. Yang (tel: 2766 6595; email: wincoc@polyu.edu.hk)

- Net Shape forming and blanking, and process simulation
  - Prof. L.C. Chan (tel: 2766 6634; email: lcc@polyu.edu.hk)

- Design and characterize advanced functional materials for electrical devices
  - Dr Zilin Chen (tel: 2766 6602; email: zilin.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. Siyu To (tel: 2766 6587; email: siyu.to@polyu.edu.hk)
  - Dr Changxin Wang (tel: 3400 3192; email: changxin.wang@polyu.edu.hk)
  - Dr Wai Sze Yip (tel: 2766 6598; email: wai.syip@polyu.edu.hk)

Product Design and Minimization

- Green product design and life cycle assessment, and green manufacturing
  - Prof. Winco K.C. Yang (tel: 2766 6595; email: wincoc@polyu.edu.hk)
  - Dr Aamer Nazir (tel: 2766 6630; email: aamer.nazir@polyu.edu.hk)

- Healthcare product design, nanoparticle based biosensing technique and biosensor miniaturisation
  - Dr Roy K.W. Law (tel: 2766 6607; email: roy.law@polyu.edu.hk)

- Special forming equipment design and manufacture
  - Prof. L.C. Chan (tel: 2766 6634; email: lcc@polyu.edu.hk)

Smart Manufacturing and Robotics

- Mechatronics and control, product innovation, intelligent product development and micro-injection and micro-fabrication
  - Prof. K.L. Yang (tel: 2766 6592; email: kly@polyu.edu.hk)

- Robotics and automation, intelligent control, compliant mechanism and micro/nano manipulation
  - Prof. Y.M. Li (tel: 2766 4978; email: y.m.li@polyu.edu.hk)

- Quality, reliability, safety and innovation
  - Prof. Winco K.C. Yang (tel: 2766 6595; email: wincoc@polyu.edu.hk)
  - Dr Xuefang Zhang (tel: 2766 6583; email: xuefang.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 L. X. Feng (tel: 2766 4183; email: eric-long.feng@polyu.edu.hk)

- Manufacturing digitalization, industrial blockchain, and privacy computing
  - Dr Li Ming (tel: 2766 4596; email: ming.li@polyu.edu.hk)

Operations and Supply Chain Management

- Green logistics, inventory management, demand forecasting, and sourcing decisions
  - Dr C. Y. C. Lam (tel: 2766 3198; email: cychen@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. K.H. Chung (tel: 2766 3790; email: nikki.chung@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)

- Modelling for energy, environment, and sustainability
  - Dr J.Z. Ren (tel: 2766 6599; email: jingheng.jzren@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
  - Prof. C. Y. C. Lam (tel: 2766 3198; email: cychen@polyu.edu.hk)

- Intelligent decision support system and multi-criteria decision analysis
  - Dr J.Z. Ren (tel: 2766 6596; email: jingheng.jzren@polyu.edu.hk)
  - Dr Paul T.P. Tsang (tel: 2766 4662; email: yungpo.tsang@polyu.edu.hk)

- Logistics and supply chain technologies
  - Dr Paul T.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 Chao Huang (tel: 2766 4226; email: chao.huang@polyu.edu.hk)

- Sustainable transportation
  - Dr J.Z. Ren (tel: 2766 6596; email: jingheng.jzren@polyu.edu.hk)
  - Dr M. Xu (tel: 2766 6593; email: min.m.xu@polyu.edu.hk)
  - Dr Abdela Refaehn E.E. Eltomkhy (tel: 2766 6600; email: abdrahefna.eltomkhy@polyu.edu.hk)

- Aviation scheduling and advanced data analytics
  - Dr Windy X. Wen (tel: 2766 4977; email: windy.wen@polyu.edu.hk)
  - Dr Abdela Refaehn E.E. Eltomkhy (tel: 2766 6600; email: abdrahefna.eltomkhy@polyu.edu.hk)

To discuss the possibility of pursuing a research topic not covered in the list above, please contact the Deputy Chairman of Departmental Research Committee, Dr Roy Law at (852) 2766 6607; email: roy.law@polyu.edu.hk
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 2022 to 1 December 2022 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.)

The Research Grants Council (RGC) of HKSAR is inviting applications for the “Hong Kong PhD Fellowship Scheme” 2023-2024. 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$27,100 (i.e. approximately US$3,470) and a travel allowance of HK$13,600 (i.e. approximately US$1,740) 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.

*Please visit the RGC website https://cerg1.ugc.edu.hk/hkpfs/index.html for updates