

## PolyU - Innovation Technology (HK) Audio and Speech Signal Processing Joint Laboratory 理大 - 易路達科技 ( 香港 ) 音頻及語音信號處理聯合實驗室



Audio and speech signal processing is the core technology which empowers many information and communication technology (ICT) devices and services, including smart phones, hearing aids, active noise cancellation headsets, speaker verification and speech recognition, AI chatbots, etc. It is a rapidly developing area that requires close collaboration between academia and industry to develop new products and services catering to the needs of society.

The "PolyU-Innovation Technology (HK) Audio and Speech Signal Processing Joint Laboratory" is established to promote and support education in the area of audio and speech signal processing at PolyU. State-of-the-art equipment will be installed at the laboratory to help students acquire up-to-date professional knowledge and get them well prepared to start their career in the related industry. The Laboratory has an excellent team of digital signal processing (DSP) experts who are internationally renowned scholars in their respective fields of study. The team has attained technological breakthrough in various research areas in DSP. Since 2000, they have published over 1,000 academic papers and obtained a number of industrial patents in different areas of DSP.

The Department of Electronic and Information Engineering (EIE) at PolyU will be responsible for the operation of the "PolyU-Innovation Technology (HK) Audio and Speech Signal Processing Joint Laboratory". The establishment of the Laboratory marks an important milestone in the University's efforts to promote collaboration with the industry in advancing education for the benefit of mankind. Through research and education work at the Laboratory, PolyU aspires to nurture talents in audio and speech signal processing for the industry and hence make greater contributions to society.

音頻和語音信號處理是許多信息和通信技術設備和服務的核心技術，當中包括智能電話、助聽器、有源噪聲消除耳機、說話人驗證和語音識別、AI 聊天機器人等。這個技術領域正在迅速發展，學術界和工業界必須緊密合作，開發新產品和服務來滿足社會的需求。

「理大 - 易路達科技 ( 香港 ) 音頻及語音信號處理聯合實驗室」旨在支持及推動理大在音頻及語音信號處理領域的教育工作。實驗室將安裝最先進的設備，幫助學生掌握專業知識，為他們投身相關行業做好準備。該實驗室由一群國際知名學者兼數字信號處理 (DSP) 專家組成的團隊主理，他們在 DSP 的各個研究領域取得了技術突破。自 2000 年以來，該團隊已發表了一千多篇學術論文，並在 DSP 的不同領域獲得了多項工業專利。

「理大 - 易路達科技 ( 香港 ) 音頻及語音信號處理聯合實驗室」將由理大電子及信息工程學系 (EIE) 負責營運，實驗室的成立標誌著理大與業界合作推動教育、造福人類的重要里程碑。理大期望透過實驗室的教學及研究，為相關行業培訓音頻及語音信號處理人才，為社會作出更大貢獻。

## Naming Ceremony of PolyU - Innovation Technology (HK) Audio and Speech Signal Processing Joint Laboratory 理大 - 易路達科技 ( 香港 ) 音頻及語音信號處理聯合實驗室

18.10.2019

# PolyU Today 今日理大



## Opening Minds • Shaping the Future

Since our beginnings in 1937, The Hong Kong Polytechnic University (PolyU) has evolved alongside economic and social development in Hong Kong and the world. We have done more than change with the times. We have nurtured many bright minds who have contributed to the advancement of society. We are also a platform where practical, yet world-changing ideas are conceived and brought to life.

Through our relentless pursuit of excellence, we pioneer new ways of delivering higher learning. Our innovative model combines professional knowledge with service-learning and real-world experience. Our global connections open the minds and broaden the perspectives of our future generations. And our culture of blazing new trails drives us to challenge boundaries and uncover knowledge that benefits mankind.

The results speak for themselves. Over the decades, our graduates have become movers and shakers in different fields. We conduct thousands of research – ranging from improving daily life to opening up new horizons in space. We are committed to finding cures and fighting poverty, shaping fashion trends and making the world greener. And most importantly, we will never stop inspiring the people who will shape tomorrow.

We look forward to joining hands with you in bringing more positive changes to our community, our country and our world in the days ahead.

## 啟迪思維 • 成就未來

自 1937 年以來，香港理工大學（理大）一直隨著香港以至全球的社會和經濟發展演變。我們不但緊貼時代脈搏，更致力培育傑出人才，亦讓開天闢地的構思意念孕育成長，以促進社會進步。

我們努力不懈追求卓越，推出嶄新的教育模式，將專業知識、服務學習和現實社會體驗結合起來。我們的國際網絡，有助擴闊年青一代的思維和視野；我們的創新文化亦驅動我們挑戰極限，開拓知識，造福世界。

理大的成績有目共睹，數十年來，我們的畢業生在各行各業位居領袖角色。我們的研究項目多不勝數，範疇廣闊，從改善日常生活，以至探索太空奧秘，一應俱全。我們用心研發治病藥物，應對貧窮困擾，甚至打造時裝潮流，推動環境保護。而最重要的是我們從未停步，不斷啟發年青一代開拓明天。

我們期望繼續得到您的支持，與理大攜手為我們的社區，國家及世界帶來更多正面的改變。

## About Innovation Technology Company Limited 易路達科技有限公司簡介

Founded in 1991, the Innovation Technology Company Limited (Innovation) has over 20 years of commitment to exploration, technological innovation and product optimization. It has successfully transformed itself from an electro-acoustic parts/components trading company into an enterprise, which specializes in the design and manufacturing of electro-acoustic products, such as headphones for the world famous brands. Headquartered in Hong Kong, the company has expanded its business globally with production bases in ShenZhen, HuiZhou, JiangXi and Vietnam.

As a Hong Kong enterprise, Innovation has always been mindful of its corporate social responsibility. In addition to actively promoting the development of electro-acoustic technology, Innovation is also enthusiastic in supporting education and research in related field. With the audio and speech signal processing joint laboratory established by Innovation and The Hong Kong Polytechnic University (PolyU), it is hoped that through cooperation with PolyU scholars, the laboratory will carry out more research projects, lead the future technological advancement of electro-acoustic products and cultivate R&D talents in Hong Kong.

易路達科技有限公司（易路達）於 1991 年成立，二十多年來秉承勇於探索、追求技術創新和優化產品的信念，由一家聲電零部件貿易公司，發展成為專注於聲電產品開發、設計及生產的企業，為全球著名品牌設計及生產例如耳機等各類聲電產品，業務已拓展至世界各地。易路達總部設於香港，生產基地遍及深圳、惠州、江西及越南。

易路達作為植根於香港的企業，一直致力實踐企業社會責任，除了積極推動聲電科技的發展，更熱心支持教育及科研項目。今次易路達與理大攜手成立音頻及語音信號處理聯合實驗室，是希望透過與理大學者的合作，開發音頻及語音信號處理相關的科研項目，推動未來聲電產品的技術發展，並為香港培育研發人才。

*Innovation*  
We Desire • We Explore



# Programme 程序

Welcoming Address by Professor Jin-Guang Teng  
President, The Hong Kong Polytechnic University  
香港理工大學校長滕錦光教授致歡迎辭

Remarks by Dr Peter Yuen Chee-kit  
Chairman, Innovation Technology Company Limited  
易路達科技有限公司主席袁智傑博士致辭

Vote of Thanks by Dr Katherine Ngan Ng Yu-ying, MH, JP  
Chairman, The Hong Kong Polytechnic University Foundation  
香港理工大學基金主席顏吳餘英博士致謝辭

Plaque Unveiling Ceremony  
揭幕儀式

Presentation of Souvenir  
致送紀念品

Group Photo  
合照

Tea Reception  
茶點招待

The Hong Kong Polytechnic University Foundation gratefully thanks you for joining the ceremony.

If you would like to support PolyU, please contact the PolyU Foundation Secretariat —

Alumni Affairs and Development Office at (852) 2766 4101.

香港理工大學基金衷心多謝您出席今日的典禮。如您想支持理大的發展，歡迎致電 (852) 2766 4101  
與理大基金秘書處 — 理大校友事務及拓展處聯絡。

[www.polyu.edu.hk/aado/polyufoundation](http://www.polyu.edu.hk/aado/polyufoundation)