



PAIR ANNUAL REPORT 2024

POLYU Academy^{FOR} Interdisciplinary RESEARCH

RIAM • RIAIoT • RiFood • RI-IWEAR
RILS • PRI • RIQT • RISA • SCRI • RISE
RISports • RISUD • RCMi • RCDSE
RCDTT • MHRC • RCRE • RCSV • RCTFF

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1. ABOUT THE ACADEMY



1.1 Bringing Practical Interdisciplinary Solutions to Pressing Issues



The PolyU Academy for Interdisciplinary Research (PAIR) is a central research platform at PolyU dedicated to providing world-leading interdisciplinary solutions to significant societal challenges. PAIR facilitates interdisciplinary research, transfers knowledge and technologies, inspires innovations across disciplines, and collaborates with top research institutions in the world.

PAIR research focuses on three core areas: advanced technologies and manufacturing, good health and well-being, and smart and sustainable cities. PAIR research projects



include those that are internally funded by PolyU, as well as those externally funded by governments, industry, charitable foundations, etc. PAIR research is supported by PolyU's world-class laboratories and state-of-the-art facilities, including the State Key Laboratories and the Chinese National Engineering Research Centres. The Academy also collaborates strategically with other pillars of PolyU, including the Graduate School (GS), the Research and Innovation Office (RIO) and the Knowledge Transfer and Entrepreneurship Office (KTEO), in promoting excellence in postgraduate education, research, and knowledge transfer.

Vision & Mission



Vision

To be a world leader in providing interdisciplinary solutions for major social challenges through advanced research and knowledge transfer activities.



Mission

- To promote, lead and support PolyU's interdisciplinary research to address major societal challenges;
- To create societal impacts of the Institute's research through partnership and interaction with business, industry, and government; and
- To enhance the visibility and reputation of the University as a world leader in its strategic focus areas through impactful collaborative activities in research and scholarship.

1.2

List of PAIR Constituent Research Units

Research Institutes (RIs)

Research Institute for Advanced Manufacturing	RIAM
Research Institute for Artificial Intelligence of Things	RIAIoT
Research Institute for Future Food	RiFood
Research Institute for Intelligent Wearable Systems	RI-IWEAR
Research Institute for Land and Space	RILS
Photonics Research Institute	PRI
Research Institute for Quantum Technology	RIQT
Research Institute for Smart Ageing	RISA
Otto Poon Charitable Foundation Smart Cities Research Institute	SCRI
Otto Poon Charitable Foundation Research Institute for Smart Energy	RISE
Research Institute for Sports Science and Technology	RISports
Research Institute for Sustainable Urban Development	RISUD

Research Centres (RCs)

Research Centre for Chinese Medicine Innovation	RCMI
Research Centre for Deep Space Explorations	RCDSE
Research Centre for Digital Transformation of Tourism	RCDTT
Mental Health Research Centre	MHRC
Research Centre for Resources Engineering towards Carbon Neutrality	RCRE
Research Centre for SHARP Vision	RCSV
Research Centre of Textiles for Future Fashion	RCTFF

1.3 Academy Timeline



Constituent research units were established under PAIR and put into operation by batches.



On 1 October 2023, the Research Centre of Textiles for Future Fashion (RCTFF) was established under PAIR.

2020/21

2023

2020

2022

2024



The President's Executive Committee (PEC) at PolyU approved the establishment of PAIR.

On 16 July 2022, PAIR was officially inaugurated at the Opening Ceremony of PolyU InnoTech Open Day. A total of 16 constituent research units were established under PAIR at the time of inauguration.



On 1 January 2024, the Research Centre for Digital Transformation of Tourism (RCDTT) was established under PAIR. On 1 September 2024, the Research Institute for Quantum Technology (RIQT) was established. The Academy currently comprises a total of 19 constituent research units, including 12 RIs and 7 RCs.

2. DIRECTOR'S FOREWORD



Director's Foreword



It is my great pleasure to present the PAIR Annual Report 2024. The many developments in previous years have built a solid research capability and foundation for PAIR. The 2023/24 year is a year of consolidation and long-range planning for the Academy, with more focus given to expanding international collaborations and amplifying PAIR's research impact.

The new strategies reported in my Foreword last year, including PAIR Salon, PAIR Young Fellowship Scheme, and PAIR Fellowship Scheme, have been successfully implemented. Through these measures that connect PAIR to industries and external top institutions, we hope to effectively move PAIR research works from labs to marketplace and society for real-world applications, and to gather bright minds to advance PAIR's strategic development. This year, we are particularly delighted to welcome a number of appointed PAIR Fellows to visit PolyU in person to deliver lectures, meet with the university management, researchers and students, and provide valuable advices to PAIR and constituent research units.

On the research front, PAIR has made notable progress in several areas. In 2023/24, the Academy has further expanded with more constituent research units. Two new units, the Research Centre of Textiles for Future Fashion (RCTFF) and the Research Centre for Digital Transformation of Tourism (RCDTT), were established on 1 October 2023 and 1 January 2024, respectively. In the 2024/25 academic year, we also welcome the establishment of the Research Institute for Quantum Technology (RIQT) on 1 September 2024. Currently, there are two other units in the process of being established. They focus on Environmental, Social, and Governance (ESG) and stem cell engineering and immunotherapy respectively. Altogether, these new units will further enrich and advance PAIR's strategic research. More information about these new units will be included in the next reporting cycle.

This year, PAIR researchers have made significant research achievements. Among the 19 constituent units, 17 have completed their annual cycle during 2023/24. By far, these 17 units have secured HK\$658M of external funding and generated 1,457 publications, and some of the research papers are in very top journals such as *Nature* and its sister journals, and *Science*. Altogether, these units have been awarded a total of 31 patents and 548 awards/recognitions at regional, national and international levels. Our striving for research excellence as well as practical and impactful innovation is evidenced by many prestigious recognitions. This year, PAIR has a total of 138 scholars named on the List of Top 2% Most-cited Scientists by Stanford University, 10 scholars on the List of Highly Cited Researchers by Clarivate Analytics, and 18 innovations winning awards in the 49th International Exhibition of Inventions Geneva.

To substantiate our work in building PAIR as a world leader in interdisciplinary research, we have kick started internal efforts in making important reviews on the criteria for assessing the performances of constituent research units, and soliciting advices on ways to better support PAIR research units to achieve sustainable development in the long run. On the other hand, we actively organise professional exchange events and undertake marketing activities throughout the year to increase the reputation and visibility of PAIR to the international audience. PAIR scholars frequently visit different places in Mainland China and around the world, meeting representatives of industries, universities and governments to explore opportunities for research collaborations. On 12 September 2024, we launched the PolyU–RMIT FutureLab, a new research collaboration scheme which supports and connects members from the two universities to undertake collaborative, interdisciplinary research projects in strategic areas (e.g., energy, smart cities, carbon neutrality, artificial intelligence, Internet of Things) that contribute to technological advancement and application, as well as urban and environmental sustainability. This marks an important milestone for PAIR's international collaboration development.

This Report provides a comprehensive review of the many 2023/24 developments at PAIR. I would like to extend my vote of thanks to the management, researchers and administrative staff at PAIR and PolyU for their expertise, knowledge and devotions, as well as all collaborators, partners and subscribers for their unwavering support to PAIR. Thank you very much and I look forward another successful year ahead.

Prof. CHEN Qingyan

Director of PolyU Academy for Interdisciplinary Research (PAIR)
Chair Professor of Building Thermal Science
Global STEM Scholar

3. CELEBRATING INTERDISCIPLINARY ACHIEVEMENTS



3.1

Snapshot of 2023/24

	Financial Year ¹²³		
	2023/24	2022/23	2021/22
Internal Funding Support	HK\$149M	HK\$139M	HK\$108M
External Research Grants and Donations	HK\$658M	HK\$606M	HK\$434M
Publications	1,457	1,163	631
Patents	31	18	8
Awards / Recognitions	548	241	126
Conferences	5	8	2
Top 2% Scientists	138	110	98

Remarks:

1 Figures reflect the aggregate performance of constituent research units which have completed their yearly operations within the PAIR annual reporting period (2021/22: 15 units; 2022/23: 16 units).

2 2021/22 figures reflect 15 units only and do not include RISports (established on 1 June 2022). 2022/23 figures reflect 16 units only and do not include RCTFF (established on 1 October 2023).

3 PAIR currently comprises 19 units. Among them, 18 units have been in operation during 2023/24, and 17 units have completed their yearly operations during 2023/24.

The number of units reflected in 2023/24 achievements vary with the reporting items:

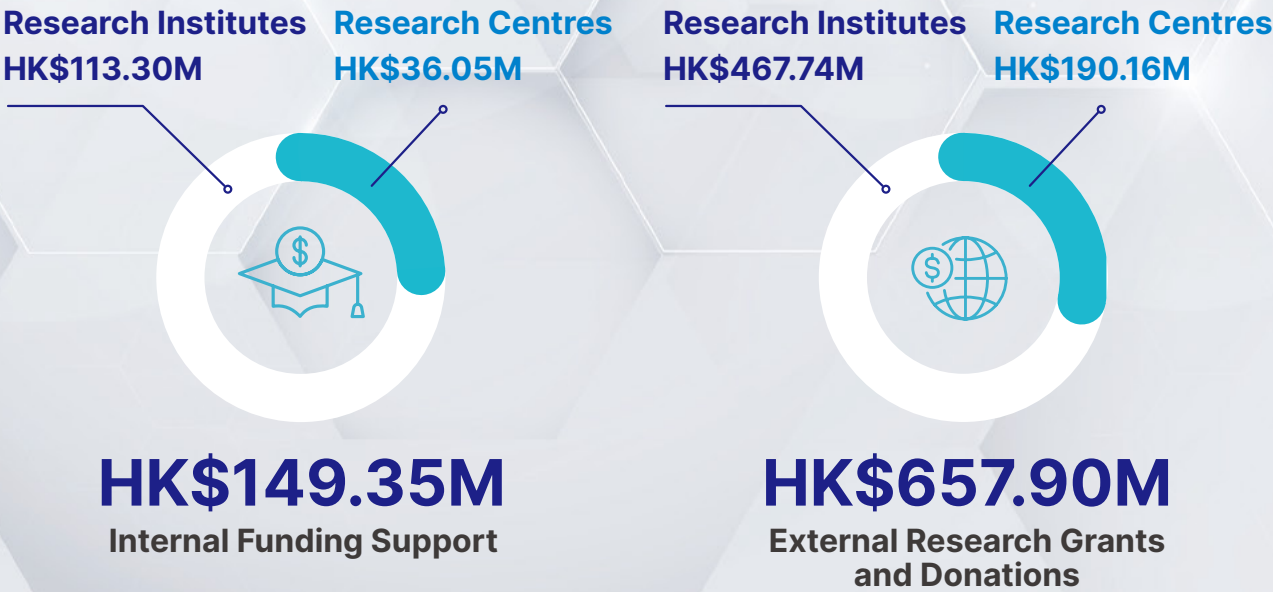
- "Internal Funding Support": 18 units, not including RIQT (established on 1 September 2024)
- "External Research Grants and Donations", "Publications", "Patents", "Awards / Recognitions", and "Conferences": 17 units, not including RCDTT (established on 1 January 2024) and RIQT (established on 1 September 2024)
- "Top 2% Scientists": 19 units

2023/24 figures are subject to updates.

4 "Top 2% Scientists" figures based on specific versions of data published by Elsevier (2021/22: version 4 released on 10 October 2022; 2022/23: version 6 released on 4 October 2023; 2023/24: version 7 released on 16 September 2024).

3.2

Vital Funding Drives Interdisciplinary Innovation

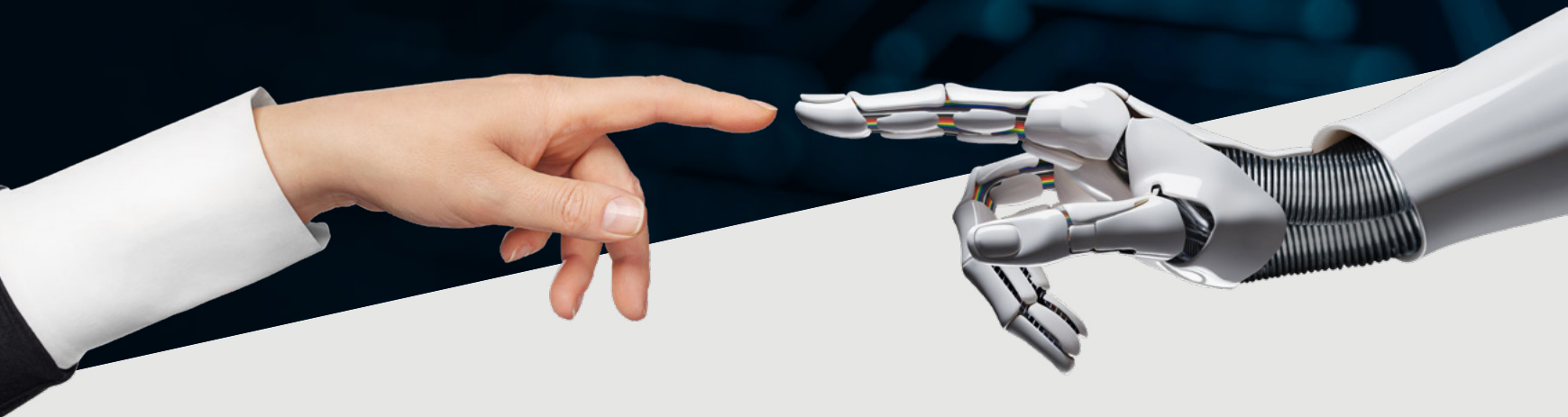


3.3

New Research Units at PAIR

In 2023/24, two new research centres were established under PAIR. The Research Centre of Textiles for Future Fashion (RCTFF), established on 1 October 2023, is dedicated to driving ground-breaking research with the principal objective of advancing high-performance textiles and fashion products. The Research Centre for Digital Transformation of Tourism (RCDTT), established on 1 January 2024, leads interdisciplinary research on optimising travel experiences and achieving environmental and business sustainability through digitally transforming tourism and related businesses.

On 1 September 2024, the Research Institute for Quantum Technology (RIQT) was established. Quantum technology and microelectronics is a rapidly growing cutting-edge research field that integrates quantum physics, computer science, mathematics, microelectronics and photonics. RIQT will build on the existing strengths of PolyU in the field, conduct impactful research, and support the rapid growth of Hong Kong's forthcoming quantum and microelectronic industry.



3.4

PAIR Welcomes New Associate Director



Prof. ZHANG Weixiong, Chair Professor of Bioinformatics and Integrative Genomics of the Department of Health Technology and Informatics, was appointed as Associate Director of PAIR with effect from 1 August 2024. Prof. Zhang is a Global STEM Scholar under the Global STEM Professorship of the HKSAR government. He is an expert in medical laboratory science, and his research interests include genetics/genomics, non-coding RNA, medical imaging, etiology and biomarker, big data analytic and artificial intelligence. Prof. Zhang is also affiliated with the Department of Computing at PolyU.

Scientific and Technology Breakthroughs across Disciplines

*In alphabetical order of surnames of researchers. The list is not exhaustive. Information reflects developments and statuses (e.g., position titles, memberships, affiliations) at the time of the events only.

Deep reinforcement learning-based framework for accurate prediction of photovoltaic power

Dr BU Siqi, Member of the Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE), and his team developed a novel deep reinforcement learning-based interpretable framework considering outliers for the accurate prediction of photovoltaic (PV) power. The framework was verified on the actual operation data of the PV plant in Northwest China, and its prediction performance was analysed and compared with benchmark methods, demonstrating great potential for application in future electric energy systems. The study has been published in *Sustainable Energy Technologies and Assessments*.

Multidimensional vision sensors for information processing

Prof. CHAI Yang, Management Committee Member of the Research Institute for Intelligent Wearable Systems (RI-IWEAR), and Member of the Photonics Research Institute (PRI), the Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE) and the Research Institute for Artificial Intelligence of Internet of Things (RIAIoT), and his team reviewed the hardware implementation of multidimensional vision sensors, explored their working mechanisms and design principles, and concluded with the principle of device–system co-design and co-optimisation. The review article has been published in *Nature Nanotechnology*.



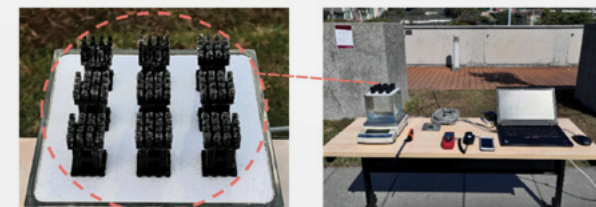
AkkMore™—Fungus-based fat replacer enables healthy low-fat indulgences

Dr Gail CHANG Jinhui, Core Member of the Research Institute for Future Food (RiFood), and her team developed “Cream Mate”, a cream substitute produced from AkkMore™, a fungus-based fat replacer developed the team. RiFood is collaborating with Hotel ICON on the use of Cream Mate in preparing reduced-fat desserts served on the hotel regular menus. AkkMore™ is effective in preventing obesity and other metabolic diseases, enhancing gut health, modulating the immune response, and reducing anxiety.



Discoveries about neuroscience of human decision-making

Dr Bolton CHAU, Associate Director of the Mental Health Research Centre (MHRC), and his team discovered the function of a lateral frontopolar cortex (FPI), a brain region unique to humans. The team identified that FPI is involved in digesting complex information during decision-making. FPI uses a parallel processing mechanism that decomposes high-dimensional choice information into simpler forms and transfers this simplified information to another region, the posterior cingulate cortex, to guide decision-making. The findings have been published in *Cell Reports*.



3D cellular solar crystalliser for improving wastewater desalination

Prof. FAN Jintu, Director of the Research Centre of Textiles for Future Fashion (RCTFF), and his team developed an artificial tree solar crystalliser (ATSC), which significantly enhanced the evaporation capability of the interfacial solar crystallisers. The ATSC can help minimise the discharge of high-salinity wastewater in industrial processes, marking a major step forward towards zero liquid discharge treatment. The study has been published in *Advanced Science*.

Addressing ozone pollution challenges with synergistic control

Prof. GUO Hai and Prof. WANG Tao, Members from the Research Institute for Sustainable Urban Development (RISUD), and their team proposed a synergistic control approach between ozone and climate to address the challenges of rising tropospheric ozone levels. The study revealed an alarming increase in warm-season ozone pollution over the past decade, and emphasises the need for a comprehensive strategy that integrates ozone and climate control, prioritising both human and ecosystem health. The study has been published in *One Earth*.

Effectiveness of GBGI infrastructure in mitigating urban heat

Prof. GUO Hai, Management Committee Member of the Research Institute for Land and Space (RILS) and Member of the Research Institute for Sustainable Urban Development (RISUD), and his team conducted a first-of-its-kind study on the effectiveness of green-blue-grey infrastructure (GBGI) in cooling urban heat across various regions. The team revealed that the implementation of green and blue infrastructures was highly effective in lowering air temperatures globally. The study has been published in *The Innovation*.



WHOeyes—Mobile app for free vision test

Prof. HE Mingguang, Director of the Research Centre for SHARP Vision (RCSV), and his team developed a mobile app for free vision test “WHOeyes”. It is the first vision test mobile app endorsed by the World Health Organization. WHOeyes can assess users’ visual acuity and provide advice for protecting vision. Users can simply look at the cameras of smartphones installed with WHOeyes and follow the system instructions, and the app will measure both distance and near vision of users. The app is now available in six languages including Arabic, Chinese, English, French, Russian and Spanish.

Repeated Low-Level Red-Light Therapy for controlling myopia progression

Prof. HE Mingguang, Director of the Research Centre for SHARP Vision (RCSV), and his team developed a new technology, Repeated Low-Level Red Light (RLRL) therapy, which has been proven for effectively controlling myopia progression in children and young persons. The technology makes use of a home use device which emits low-level red laser at a wavelength of 650 nm to stimulate and improve the blood circulation on the ocular fundus. This can thicken the choroid and improve oxygen supply to the sclera, hence inhibiting the axial length elongation of the eyeball.

AI-powered portable camera for screening diabetic retinopathy

Prof. HE Mingguang, Director of the Research Centre for SHARP Vision (RCSV), and his team developed an AI-powered portable camera designed specifically for retinal screening of diabetic retinopathy. Starting from 1 March 2024, PolyU has joined forces with OPTICAL 88 to recruit people with high risk of diabetes to participate in the AI Diabetic Retinopathy Eye Screening Research Project.

Novel sensor for high-sensitivity gas detection

Prof. JIN Wei, Associate Director of the Photonics Research Institute (PRI), and his collaborator from Jilin University have successfully developed a novel on-chip photothermal spectroscopy sensor for high-sensitivity gas detection. The new sensing method achieved a remarkable acetylene detection sensitivity of 4 ppm and a dynamic range exceeding 5 orders of magnitude, outperforming traditional direct absorption sensor. Research findings have been published in *Laser & Photonics Reviews*.

World’s first portable High-Definition Corneal Topographer

Prof. KEE Chea-su, Associate Director of the Research Centre for SHARP Vision (RCSV), and his team have developed the world's first portable High-Definition Corneal Topographer. The innovation leverages artificial intelligence-driven algorithms to accurately measure corneal power, provide early diagnosis of vision problems such as corneal astigmatism and corneal ectasia, and simplify the diagnosis process, enabling it to be completed in as little as one minute. The innovation was awarded the Prize of the Saudi Arabian Delegation and Gold Medal in the 49th International Exhibition of Inventions Geneva.

Intelligent traffic monitoring system

Prof. Alan LAU, Management Committee Member of the Photonics Research Institute (PRI) and Member of the Research Institute for Sustainable Urban Development (RISUD), and his team have developed an Intelligent Real-time Traffic Monitoring System (ITMS) that harnesses fibre optic sensing technology to monitor the traffic flow without any additional hardware. The ITMS leverages deployed fibre optic network for telecommunications that covers major roads in Kowloon and Hong Kong to collect location-specific vibration signals generated by vehicles that drive through these busy areas in real time.

Novel electroreduction system turns carbon dioxide into plastic ingredients

Prof. Daniel LAU, Associate Director of the Photonics Research Institute (PRI), and his research team, developed a durable, highly selective and energy-efficient carbon dioxide (CO₂) electroreduction system that can convert CO₂ into ethylene for industrial purposes. Ethylene is a primary ingredient in plastics and chemical fibres.



Breakthroughs in research on organic solar cells

Prof. LI Gang, Associate Director of the Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE), and his team have achieved major breakthroughs in two studies on organic solar cells. In one study, the team successfully developed a kind of supplementary light-absorbing molecule, o-BTP-eC9, and achieved a record power conversion efficiency of 19.9% in PM6:BTP-eC9 based organic solar cells. In another study, the team designed and synthesised a small molecule donor, BM-CIEH, to improve the non-halogen solvent processing of all-small-molecule organic solar cells, and achieved high power conversion efficiencies of 15.0% in binary device and 16.1% in ternary device. The studies have been published in *Nature Communications*.

Biomineralisation technique for preventing microbial corrosion in marine structures

Prof. LI Xiangdong, Director of the Research Institute for Sustainable Urban Development (RISUD), and his team have successfully developed a novel biomineralisation technique, which can effectively protect marine concrete from microbially induced corrosion. The technique utilises carbon dioxide to produce mineral precipitates on concrete surfaces. This results in the formation of a biomineralised film, which acts as a protective layer to control sulphate diffusion and isolate concrete from the corrosive sulphate-reducing bacteria. The study has been published in *Environmental Science & Technology*.

Intelligent soft robotic clothing for automatic thermal adaptation in extreme heat

Dr SHOU Dahua, Member of the Research Institute for Intelligent Wearable Systems (RI-IWEAR), the Research Institute for Sports Science and Technology (RISports) and the Research Centre of Textiles for Future Fashion (RCTFF), and his team have developed a first-of-its-kind thermally-insulated and breathable soft robotic clothing that can automatically adapt to changing ambient temperatures, thereby helping to ensure worker safety in hot environments. Their research findings have been published in the international interdisciplinary journal *Advanced Science*.

Causes for wild weather swings from drought to flood unveiled

Dr WANG Shuo, Member of the Research Institute for Land and Space (RILS), and researchers from the University of Texas and Columbia University found that wild weather swings from severe drought to heavy rains are becoming more common with climate change, based on analysis of climate data during 1980–2020. The team also discovered the “land-based feedback loops”, which explain how the movement of moisture from humid regions to dry regions increases the chance of downpours after drought. The study has been published in *Communications Earth & Environment*.

Concurrent heatwaves and sea level rises happening more at coastal locations

Dr WANG Shuo, Member of the Research Institute for Land and Space (RILS), the Research Institute for Sustainable Urban Development (RISUD) and the Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI), and his team have found that the concurrent occurrence of heatwaves and extreme short-term sea level rises at coastal locations significantly increased between 1998 and 2017 when compared to the preceding 20 years. The team also predicted that, under a modelled high emissions scenario, the probability of the occurrence of such events in 2025–2049 may multiply by fivefold. The study has been published in *Communications Earth & Environment*.

Cutting-edge colour management technologies for smart devices

Prof. Tommy WEI Minchen, Management Committee Member of the Photonics Research Institute (PRI) and his team, have developed a series of colour management technologies that enable digital displays, imaging devices and extended reality to capture and reproduce colours more faithfully, thereby enhancing user experience. The cutting-edge technologies have been successfully commercialised and widely adopted by social media, imaging systems and manufacturers of LED lighting products, smartphones and drones. Over 100 million high-end smart devices worldwide each year have been powered by the technologies.

Urban industrial land expansion’s impacts on economic growth and carbon dioxide emission

Prof. WENG Qihao, Associate Director of the Research Institute for Land and Space (RILS) and Member of the Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI), and his team found that industrial land expansion is the leading factor for economic growth and emissions in developing regions. The team used satellite data and machine learning to map industrial land at 30 m resolution in ten countries with substantial industrial value-added, and analysed the impact of industrial land expansion on economic growth and emissions in 216 subnational regions from 2000 to 2019. The findings have been published in *Communications Earth & Environment*.

Green and cool roofs reduce energy use substantially

Prof. WENG Qihao, Associate Director of the Research Institute for Land and Space (RILS) and Member of the Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI), and his team studied the energy-saving potential of green roofs and cool roofs in reducing building energy consumption. Results showed that in future climates, the implementation of these strategies at the city level can lead to up to 65.51% annual energy reduction and 71.72% reduction in Heating Ventilation and Air Conditioning (HVAC) consumption by 2100. The paper has been published in *npj Urban Sustainability*.

Deep learning-based remote sensing image classification for land use and land cover mapping in cloud-prone areas

Prof. WENG Qihao, Associate Director of the Research Institute for Land and Space (RILS), and his team developed an integrated time series mapping method to enhance land use and land cover (LULC) mapping accuracy and frequency in cloud-prone areas. When the team applied the method to the cloud- and rain-prone Pearl River Delta (i.e., Guangdong–Hong Kong–Macao Greater Bay Area, GBA), it yielded an overall mapping accuracy of up to 87.01%, outperforming existing LULC products. The study has been published in *Remote Sensing of Environment*. Other key PolyU members on the research team include Prof. DING Xiaoli, Director of RILS, and Dr LI Zhiwei, Research Assistant Professor in the Department of Land Surveying and Geo-Informatics.

Deep learning-based super-resolution method to estimate building heights

Prof. WENG Qihao, Associate Director of the Research Institute for Land and Space (RILS) and Member of the Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI), and his team proposed a deep learning-based super-resolution method to generate building height maps. The team created an open building height dataset with 45,000 samples covering 301 cities in the Northern Hemisphere. The dataset generated has great potential for use in high-resolution database updating, urban planning and natural disaster assessment. The study has been published in *Remote Sensing of Environment*.

Cs4-selenium nanocomposites (Cs4-SeNPs)—Novel selenium nanoparticles for managing postmenopausal osteoporosis

Prof. WONG Ka-hing, Director of the Research Institute for Future Food (RiFood), and his team developed novel Cs4-selenium nanocomposites (Cs4-SeNPs) for managing postmenopausal osteoporosis. The technology has been adopted by industry in developing and bringing bone health products based on Cs4-SeNPs to the market. Related research has been published in *Journal of Functional Foods*. Cs4-SeNPs have been found for its efficacy in promoting bone formation, inhibiting bone resorption, and improving bone microarchitecture.

Nanotechnology for prolonging retention of ocular drugs on corneal surfaces

Prof. WONG Man-sau, Director of the Research Centre for Chinese Medicine Innovation (RCMI), and researchers from University of Waterloo have successfully developed a novel formulation for treating dry eye diseases using nanoparticles, aptamer-functionalised liposomes. The team discovered an aptamer that can not only mitigate the adverse effects associated with the drug, but also augment its therapeutic efficacy in managing dry eye disease. The findings have been published in *Biomedical Journal*.

Apelin mediates the antidepressant effects of physical exercise

Dr Sonata YAU, Member of the Mental Health Research Centre (MHRC), and her team revealed that apelin, a muscle-secreted peptide, is important for mediating the antidepressant effects of physical exercise. Using a mouse model of chronic unpredictable stress, the research team showed that stressed mice exhibited decreased apelin expression levels in the hippocampus, which could be restored by 4-week physical running. The study was selected for presentation at the annual meeting of The Society for Neuroscience (SfN) 2023 in Washington DC.

PolyU-developed and manufactured space instruments contributes to the Nation’s Chang’e-6 mission and the first lunar far side sampling in human history

The “Surface Sampling and Packing System” developed and manufactured by the research team led by Prof. YUNG Kai-leung, Director of the Research Centre for Deep Space Explorations (RCDSE) in collaboration the China Academy of Space Technology (CAST), assisted the Nation in completing the world’s first lunar far-side sampling for the Chang’e-6 lunar exploration mission. On 3 June 2021, the system accomplished the tasks of automatic sample collection and packaging on the lunar surface, following the soft landing of the Chang’e-6 probe. On 25 June 2024, the probe returned to Earth with the first-ever lunar soil samples from the far side of the Moon.



PolyU team studies water in Chang’e-5 lunar soil samples

PolyU obtained two distinct lunar soil samples collected in Chang’e-5 mission, with approval from the Lunar Sample Management Office under the China National Space Administration’s Lunar Exploration and Space Engineering Centre. The samples are currently stored on the PolyU campus in the lunar regolith storage and analysis system. The Chang’e-5 lunar sample in-depth analysis and research programme is conducted by a team led by Prof. YUNG Kai-leung, Director of the Research Centre for Deep Space Explorations (RCDSE) and Prof. WU Bo, Associate Director of RCDSE. The research team also includes Dr WANG Xing, Postdoctoral Fellow in the Department of Land Surveying and Geo-Informatics, and Dr Sergey KRASILNIKOV, Research Assistant Professor in the same department.



3.6
**Combined Efforts
Yield
Fruitful Results**

* The list is not exhaustive. Information reflects developments and statuses (e.g., position titles, memberships, affiliations) at the time of the events only.

PAIR scholars ranked among World's Top 2% Most-cited Scientists 2024

A total of 138 scholars from PAIR and its 19 constituent research units were ranked among the “World’s Top 2% Most-cited Scientists 2024” in the latest list released by Stanford University, and five of them were among the top 20 scholars in the world in their own areas of specialty. The named PAIR scholars were included in the “Career-long Impact” list based on their career-long citation impact.

*As per the data published by Elsevier on 16 September 2024 (version 7)



PAIR academics recognised amongst world's most highly cited researchers

Among the 15 PolyU academics (including two former PolyU scholars) named on the list of “Highly Cited Researchers 2023” by Clarivate Analytics, ten are PAIR members.

Category	Name	Title and Affiliated PAIR Constituent Research Unit
Cross-Field	Prof. Daniel S. P. LAU	• Associate Director of Photonics Research Institute (PRI) • Management Committee Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)
	Prof. LI Gang	• Associate Director of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE) • Management Committee Member of Photonics Research Institute (PRI) • Member of Research Institute for Intelligent Wearable Systems (RI-IWEAR) • Member of Research Institute for Sustainable Urban Development (RISUD)
	Prof. LOH Kian Ping	• Member of Photonics Research Institute (PRI)
	Prof. Geoffrey Q. P. SHEN	• Management Committee Member of Research Institute for Sustainable Urban Development (RISUD) • Member of Research Institute for Land and Space (RILS) • Member of Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI)
	Prof. WANG Zuankai	• Member of Research Institute for Sports Science and Technology (RISports) • Member of Research Institute for Intelligent Wearable Systems (RI-IWEAR)
	Prof. WU Tao, Tom	• Member Photonics Research Institute (PRI) • Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)
	Prof. YAN Feng	• Associate Director of Research Institute for Intelligent Wearable Systems (RI-IWEAR) • Member of Photonics Research Institute (PRI) • Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE) • Member of Research Institute for Sustainable Urban Development (RISUD) • Member of Research Institute for Sports Science and Technology (RISports)
	Dr ZHANG Xiao	• Member of Research Institute for Advanced Manufacturing (RIAM) • Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)

Category	Name	Title and Affiliated PAIR Constituent Research Unit
Engineering	Prof. YAN Jinyue Jerry	- Management Committee Member of Research Institute for Sustainable Urban Development - Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)
Chemistry	Dr HUANG Bolong	- Member of Research Institute for Intelligent Wearable Systems (RI-IWEAR) - Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)

PAIR researchers shine at International Exhibition of Inventions Geneva

PolyU achieved a record-breaking number of accolades in the 49th International Exhibition of Inventions Geneva, with 43 PolyU innovations garnering a total of 45 accolades. Among the award-winning projects, 18 of them are led by PAIR researchers.

*In order of prize level and alphabetical order of project names

Prize : Prize of the Saudi Arabian Delegation; Gold Medal

Project Name : GOOD Vision/Wellsees: Novel Portable Corneal Topographer

Principle Investigator(s): Prof. KEE Chea-su
Associate Director of Research Centre for SHARP Vision (RCSV)



Prize : Gold Medal with Congratulations of the Jury

Project Name : ProRuka — Novel Prosthetic Hand Controlled by Wireless Sonomyography

Principle Investigator(s): Prof. ZHENG Yongping
Director of Research Institute for Smart Ageing (RISA)



Prize : Gold Medal

Project Name : 3D Printed Triply Periodic Minimal Surface (TPMS) Bone Scaffolds

Principle Investigator(s): Dr ZHAO Xin
Member of Research Centre for Chinese Medicine Innovation (RCMI), Research Institute for Intelligent Wearable Systems (RI-IWEAR) and Research Institute for Future Food (RiFood)

Prize : Gold Medal

Project Name : A Fireproof Solar PV Vacuum-Glazing Wall Panel (FSVG) as Building Insulation Layer

Principle Investigator(s): Prof. YANG Hongxing
Management Committee Member of Research Institute for Sustainable Urban Development (RISUD) and Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)

Prize : Gold Medal

Project Name : Flexible Perovskite Solar Modules Based on Surface Reconstruction Technology

Principle Investigator(s): Prof. YAN Feng
Associate Director of Research Institute for Intelligent Wearable Systems (RI-IWEAR) and Member of Photonics Research Institute (PRI), Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE), Research Institute for Sustainable Urban Development (RISUD) and Research Institute for Sports Science and Technology (RISports)

Prize : Gold Medal

Project Name : FRP-ECC-HSC Composite Column

Principle Investigator(s): Prof. Ben YOUNG
Member of Research Institute for Land and Space (RILS)

Prize : Gold Medal

Project Name : iActive: Intelligent Active-Perspiration Activewear

Principle Investigator(s): Dr SHOU Dahua
Member of Research Institute for Intelligent Wearable Systems (RI-IWEAR), Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE), Research Institute for Sports Science and Technology (RISports), Research Centre for Resources Engineering towards Carbon Neutrality (RCRE) and Research Centre of Textiles for Future Fashion (RCTFF)

Prize : Gold Medal

Project Name : MicroFish: A Lab-on-a-chip for On-site Detection of Microbial Contamination and Pollutants

Principle Investigator(s): Dr CHUA Song-lin
Member of Research Institute for Future Food (RiFood)

Prize :	Gold Medal
Project Name :	Mobile Ankle-foot Exoneuromusculoskeleton
Principle Investigator(s):	Dr HU Xiaoling Member of Research Institute for Smart Ageing (RISA) and Research Institute for Sports Science and Technology (RISports)

Prize :	Gold Medal
Project Name :	Multi-Functional High-Power-Density Integrated Onboard Charger for Electric Vehicles
Principle Investigator(s):	Dr LOO Ka-hong Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE) Dr LIU Junwei Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)

Prize :	Gold Medal
Project Name :	Patellar Auto-mobilising Device (PAD)
Principle Investigator(s):	Prof. FU Siu-ngor Associate Director of Research Institute for Sports Science and Technology (RISports) and Member of Research Institute for Intelligent Wearable Systems (RI-IWEAR)

Prize :	Gold Medal
Project Name :	Virtual MRI Contrast Enhancement System for Precise Tumour Detection and Treatment
Principle Investigator(s):	Prof. CAI Jing Management Committee Member of Research Institute for Intelligent Wearable Systems (RI-IWEAR) and Research Institute for Smart Ageing (RISA)

Prize :	Silver Medal
Project Name :	Invention and Application of Vitamin D Supplement Preparations
Principle Investigator(s):	Prof. WONG Man-sau Director of Research Centre for Chinese Medicine Innovation (RCMI), Management Committee Member of Research Institute for Smart Ageing (RISA) and Member of Research Institute for Future Food (RiFood) and Research Centre for SHARP Vision (RCSV)

Prize :	Silver Medal
Project Name :	Novel Nano-imprinting Technology for Anti-counterfeiting Micro-images and Information Storage
Principle Investigator(s):	Prof. TO Suet Sandy Member of Research Centre for Resources Engineering towards Carbon Neutrality (RCRE) Dr YIP Wai-sze Lenny Member of Research Centre for Resources Engineering towards Carbon Neutrality (RCRE)

Prize :	Silver Medal
Project Name :	Precision Gene Editing for Enhanced Stem Cell-Retinal Neuron Generation
Principle Investigator(s):	Dr HUANG Chien-ling Management Committee Member of Research Institute for Future Food (RiFood) Prof. YIP Shea-ping Associate Director of Research Centre for SHARP Vision (RCSV)

Prize :	Silver Medal
Project Name :	Smart Firefighting Robot
Principle Investigator(s):	Dr HUANG Xinyan Member of Research Institute for Sustainable Urban Development (RISUD), Research Centre for Resources Engineering towards Carbon Neutrality (RCRE) and Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)

Prize :	Silver Medal
Project Name :	Smart Headset featuring Adaptive Noise Filters for Individuals with Autism Spectrum Disorder
Principle Investigator(s):	Dr CHOY Yat Sze Member of Research Institute for Sustainable Urban Development (RISUD)

Prize :	Bronze Medal
Project Name :	Transcutaneous Electrical Nerve Stimulation (TENS) Hat to Limit Dementia Progression
Principle Investigator(s):	Dr SETO Sai-wang Associate Director of Research Centre for Chinese Medicine Innovation (RCMI) Prof. Samuel LO Member of Research Institute for Future Food (RiFood) and Research Centre for Chinese Medicine Innovation (RCMI)

3.7

Recognising Individual and Team Successes

*Awards won by teams and combined achievements of PAIR researchers are reported first, followed by others awarded to individual researchers (in alphabetical order of surnames of researchers). The list is not exhaustive. Information reflects developments and statuses (e.g., position titles, memberships, affiliations) at the time of the events only.

PAIR research teams shine at 2024 Silicon Valley International Inventions Festival

PolyU research teams garnered nine prestigious awards at the 2024 Silicon Valley International Inventions Festival (SVIIF), including a semi-grand prize, two special prizes, five gold medals and one silver medal. Among them, four award-winning innovations were developed by research teams led by PAIR researchers:

Award	Project	Project Leader
Gold Medal	Edge AI-empowered Smart Devices and Robotics for AIoT Applications	Prof. CAO Jiannong Director of Research Institute for Artificial Intelligence of Things (RIAIoT)
Prize of the Korea Invention Promotion Association Gold Medal	Development of Intelligent Nighttime Brace with Smart Padding to Treat Adolescent Idiopathic Scoliosis	Prof. Joanne YIP Management Committee Member of Research Institute for Future Food (RiFood); Member of Photonics Research Institute (PRI) and Research Institute for Sports Science and Technology (RISports)
Prize of the Croatian Union of Innovators Silver Medal	3D Printed Triply Periodic Minimal Surface (TPMS) Bone Scaffolds	Prof. ZHAO Xin Member of Research Institute for Intelligent Wearable Systems (RI-IWEAR); Member of Research Institute for Future Food (RiFood) and Research Centre for Chinese Medicine Innovation (RCMI)
Semi-Grand Prize Gold Medal	ICU-grade Wireless Breathable Cardiac Electronic Skin	Prof. ZHENG Zijian Associate Director of Research Institute for Intelligent Wearable Systems (RI-IWEAR); Management Committee Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE); Member of Research Institute for Artificial Intelligence of Things (RIAIoT), Photonics Research Institute (PRI) and Research Institute for Sustainable Urban Development (RISUD)

Two PAIR scholars elected to HKAES Young Member Section

Two PAIR scholars were elected to the Young Member Section of the Hong Kong Academy of Engineering Sciences (HKAES) in 2024.

Name of PAIR Scholar :	Prof. CHAI Yang
Role(s) at PAIR Constituent Research Units :	Management Committee Member of Research Institute for Intelligent Wearable Systems (RI-IWEAR); Member of Photonics Research Institute (PRI), Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE) and Research Institute for Artificial Intelligence of Internet of Things (RIAIoT)

Name of PAIR Scholar :	Prof. Tommy WEI
Role(s) at PAIR Constituent Research Units :	Management Committee Member of Photonics Research Institute (PRI); Member of Research Institute for Sustainable Urban Development, Research Centre for SHARP Vision (RCSV) and Research Centre for Digital Transformation of Tourism (RCDTT)

Two PAIR scholars receive First Prizes of CSVE Science and Technology Awards 2023

Two collaborative projects co-led by PAIR scholars and mainland researchers have been awarded First Prizes of Science and Technology Awards 2023 by the Chinese Society of Vibration Engineering.

The project “Acoustic black holes and applications to vibration and noise control in equipment engineering”, is co-led by Prof. CHENG Li, Management Committee Member of the Research Institute for Artificial Intelligence of Things (RIAIoT), Member of the Research Institute for Intelligent Wearable Systems (RI-IWEAR) and the Research Institute for Sports Science and Technology (RISports).

The other project, “Machine learning methods for structural health diagnosis and operation maintenance of bridges”, is co-led by Prof. XIA Yong, Management Committee Member of RIAIoT, Member of the Research Institute for Sustainable Development (RISUD) and the Research Centre for Deep Space Explorations (RCDSE).



PAIR scholars elected as fellows of professional societies

In 2023/24, scholars at PAIR have been awarded fellowships from professional societies for their outstanding achievements and contributions in their respective fields.

Name of PAIR Scholar	Award and Name of Professional Society	Role(s) at PAIR Constituent Research Units
Prof. CHEN Sheng	Fellow, American Academy of Microbiology (AAM)	Member of Research Institute for Future Food (RiFood)
Prof. Sylvia Xiaohua CHEN	Fellow, Hong Kong Academy of the Humanities (HKAH)	Interim Director of Mental Health Research Centre (MHRC)
Dr James FANG Kar-hei	Pew Fellow in Marine Conservation, The Pew Charitable Trusts	Core Member of Research Institute for Future Food (RiFood); Member of Research Institute for Land and Space (RILS) and Research Institute for Sustainable Urban Development (RISUD)

Two PAIR scholars win BOCHK Science and Technology Innovation Prize 2023

Two PAIR scholars, Prof. Benny CHEUNG Chi-fai, Associate Director of the Research Centre for SHARP Vision (RCSV) and Management Committee Member of the Research Centre for Resources Engineering towards Carbon Neutrality (RCRE), and Dr Daniel LUO Xiapu, Leading Member of the Research Institute for Artificial Intelligence of Things (RIAIoT) and Member of the Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI), have been awarded the BOCHK Science and Technology Innovation Prize (STIP) 2023 in the fields of “Advanced Manufacturing” and “Fintech” respectively, for their outstanding contributions to the scientific and technological innovation and transformation in Hong Kong.



PAIR members shine at PolyU’s inaugural Patents Achievement Award

Five PAIR members were honoured in PolyU Patents Achievement Award 2023, which was launched in appreciation and recognition of the remarkable achievements of departments and inventors that are actively engaged in intellectual property (IP) filing. The “Top Patents Filing Award” considers IP filing activities over the past five years, while the “Most Active Patents Filing Award” focuses on IP filing activities within the award year.

Award Category	Awardee
Top Patents Filing Award	Prof. Benny CHEUNG Chi-fai Associate Director of Research Centre for SHARP Vision (RCSV)
	Prof. John SHI Wenzhong Director of Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI)
	Prof. TO Chi-ho Member of Research Centre for SHARP Vision (RCSV)
Most Active Patents Filing Award	Ir Prof. POON Chi-sun Director of Research Centre for Resources Engineering towards Carbon Neutrality (RCRE)
	Ir Prof. ZHENG Yongping Director of Research Institute for Smart Ageing (RISA)

PAIR scholars win two Smart Living Partnership Awards 2023/24

Prof. DING Xiaoli, Director of the Research Institute for Land and Space (RILS), and Dr Wallace LAI, Core Member of RILS, won the awards “Outstanding Land Subsidence Monitoring Technology by Integrating Satellite Remote Sensing & Mobile Surveying” and “Outstanding Imaging Technologies for Rapid Leakage Diagnosis of High-Pressure and Large Water Mains” respectively, in the Smart Building / Environmental Technology / Green Technology category of the Smart Living Partnership Awards 2023/24. The Award aims to recognise, promote and support outstanding companies or organisations which demonstrate commitment to promoting Hong Kong as a smart city, improving the society’s competitiveness and increasing public awareness of digitalisation.

Two PAIR members win PolyU Young Innovative Researcher Award 2024

Dr HUANG Dongmei, Member of the Photonics Research Institute (PRI), and Dr LI Tian, Member of the Research Institute for Future Food (RiFood) and the Research Institute for Intelligent Wearable Systems (RI-IWEAR), won the PolyU Young Innovative Researcher Award (YIRA) 2024. The award honours PolyU researchers under the age of 35 who have demonstrated novelty, contributed to technological advancement, and propelled transformative innovations to address societal problems.

PAIR researchers shine at PolyU President’s Awards for Outstanding Achievement 2023

A total of six PAIR researchers received the PolyU President’s Awards for Outstanding Achievement 2023 in recognition of their distinguished accomplishments and contributions in various areas.

Category of Award	Awardee(s)	Role(s) at PAIR Constituent Research Units
Individual Awards		
Teaching (Outstanding Young Teacher)	Dr HSU Li-ta	Member of Research Institute for Artificial Intelligence of Things (RIAIoT), Research Institute for Land and Space (RILS), Research Institute for Sustainable Urban Development (RISUD) and Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI)
Research and Scholarly Activities (Outstanding Researcher)	Prof. LI Xiangdong	Director of Research Institute for Sustainable Urban Development (RISUD)
Research and Scholarly Activities (Outstanding Young Researcher)	Prof. ZHENG Zijian	Associate Director of Research Institute for Intelligent Wearable Systems (RI-IWEAR); Management Committee Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE); Member of Research Institute for Artificial Intelligence of Things (RIAIoT), Photonics Research Institute (PRI) and Research Institute for Sustainable Urban Development (RISUD)
Team Awards		
Knowledge Transfer: Industry	Prof. XIA Yong (Team Leader)	Management Committee Member of Research Institute for Artificial Intelligence of Things (RIAIoT); Member of Research Institute for Sustainable Urban Development (RISUD) and Research Centre for Deep Space Explorations (RCDSE)
	Prof. CAO Jiannong	Director of Research Institute for Artificial Intelligence of Things (RIAIoT); Management Committee Member of Research Institute for Sustainable Urban Development (RISUD); Member of Research Institute for Future Food (RiFood), Research Institute for Intelligent Wearable Systems (RI-IWEAR), Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE), Research Institute for Smart Ageing (RISA) and Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI)
	Prof. ZHU Songye	Leading Member of Research Institute for Artificial Intelligence of Things (RIAIoT); Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE) and Research Institute for Sustainable Urban Development (RISUD)

RCRE team shines in Aramco Sustainability Techno-Quest

The research proposal “Turning Recycled Concrete Powders into High-value-added Products by Advanced Carbonation”, developed by the team comprising Ir Prof. POON Chi-sun, Director of the Research Centre for Resources Engineering towards Carbon Neutrality (RCRE), and Dr SHEN Peiliang, Member of RCRE, won the Sustainability Techno-Quest competition organised by Aramco. The competition invites researchers and research groups from academia, research institutes, service sectors, and industry across China to develop potential R&D projects and technological solutions focusing on carbon dioxide (CO₂) solidification and CO₂ to oilfield chemicals.

Two PAIR scholars bestowed HKAES Fellow honour

Prof. WANG Zuankai, Associate Vice President (Research and Innovation), Member of the Research Institute for Intelligent Wearable Systems (RI-IWEAR) and the Research Institute for Sports Science and Technology (RISports), and Prof. Jerry YAN Jinyue, Management Committee Member of the Research Institute for Sustainable Urban Development (RISUD) and Member of the Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE), were elected as 2023 Fellows of the Hong Kong Academy of Engineering Sciences (HKAES), in recognition of their outstanding achievements in the field of science, engineering and technology for the benefit of society.

PolyU research projects receive funding from RAISE+ Scheme

Two research projects led by PAIR members are among the first batch of 24 projects selected under the Research, Academic and Industry Sectors One-plus (RAISE+) Scheme launched by the Innovation and Technology Commission of the HKSAR government.

The RAISE+ Scheme was launched in October 2023 to provide funding, on a matching basis, for at least 100 research teams from universities funded by the University Grants Committee which demonstrate strong potential to evolve into successful start-ups. Each approved project will receive funding support ranging from HK\$10 million to HK\$100 million.

Innovation and Technology Field :	Advanced Manufacturing
Project Title :	Energy-Efficient Liquid Cooling System for Data Centres
Person in Charge :	Prof. WANG Zuankai Member of Research Institute for Intelligent Wearable Systems (RI-IWEAR) and Research Institute for Sports Science and Technology (RISports)
Innovation and Technology Field :	New Materials and New Energy
Project Title :	Pilot and Mass Production of Next-Generation Composite Current Collectors for Mobility and Energy Storage Batteries
Person in Charge :	Prof. ZHENG Zijian Associate Director of Research Institute for Intelligent Wearable Systems (RI-IWEAR); Management Committee Member of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE); Member of Research Institute for Artificial Intelligence of Things (RIAIoT), Photonics Research Institute (PRI) and Research Institute for Sustainable Urban Development (RISUD)

Two PAIR members honoured by the HKSAR government

Prof. WONG Ka-hing, Director of the Research Institute for Future Food (RiFood), and Ir Prof. Albert CHAN Ping-chuen, Associate Director of the Research Institute for Sustainable Urban Development (RISUD), were recognised in the 2024 Honours List published by the HKSAR government on 1 July 2024.

Prof. Wong was awarded the Chief Executive’s Commendation for Community Service in recognition of his contributions in promoting the sustainable development of the fisheries industry in Hong Kong. Ir Prof. Chan received the Medal of Honour in recognition of his contributions in the construction policy research and in nurturing young talents to join the construction industry.

PAIR researcher led-start-ups on Forbes Asia 100 to Watch

Three PolyU-backed startups have been listed in *Forbes Asia 100 to Watch 2023*. The three startups are Eieling Technology and Telefield Medical Imaging, both co-founded by Prof. ZHENG Yongping, Director of the Research Institute for Smart Ageing (RISA), and Fleming MedLab, which was co-founded by Dr Kelvin HEUNG Ho-lam, Member of the Research Centre for Resources Engineering towards Carbon Neutrality (RCRE).

Prof. CHENG Li elected as Fellow of The Royal Society of Canada

Prof. CHENG Li, Management Committee Member of the Research Institute for Artificial Intelligence of Things (RIAIoT), and Member of the Research Institute for Intelligent Wearable Systems (RI-IWEAR) and the Research Institute for Sports Science and Technology (RISports), was named 2024 Fellow of the Academy of Science under The Royal Society of Canada (RSC). This prestigious honour is the highest accolade in the Arts, Social Sciences, Humanities, and Sciences in Canada.

Dr Daphne CHEUNG receives 2023 Claudia J. Beverly Innovation Award

Dr Daphne CHEUNG, Member of the Research Institute for Smart Ageing (RISA) and the Mental Health Research Centre (MHRC), received the 2023 Claudia J. Beverly Innovation Award by the National Hartford Center of Gerontological Nursing Excellence (NHCGNE). The Award recognises outstanding innovative programmes and projects that have significant positive impact on the nursing care for older adults.

Prof. LENG Zhen awarded ACSE’s 2024 Walter L. Huber Civil Engineering Research Prize

Prof. LENG Zhen, Associate Director of the Research Centre for Resources Engineering towards Carbon Neutrality (RCRE) and Member of the Research Institute for Land and Space (RILS) and the Research Institute for Sustainable Urban Development (RISUD), received the 2024 Walter L. Huber Civil Engineering Research Prize (Huber Award) by the American Society of Civil Engineers (ASCE) for his innovative research in developing durable, low-carbon, cost-effective pavement materials and technologies. The Huber Award is the highest-level mid-career research award given annually to individuals with notable achievements and contributions in research with respect to all disciplines of civil engineering.

Dr Jacky NG named APS Rising Star in 2024

Dr Jacky NG Chi-kit, Member of the Mental Health Research Centre (MHRC), has been selected as one of the Rising Stars of the Association for Psychological Science (APS) in 2024. The Rising Star designation recognises outstanding APS members in the earliest stages of their post-PhD research career.

Dr SHOU Dahua bestowed PolyU Graduate School Outstanding Research Postgraduate Young Alumni

Dr SHOU Dahua, Member of the Research Institute for Intelligent Wearable Systems (RI-IWEAR), the Research Institute for Sports Science and Technology (RISports) and the Research Centre of Textiles for Future Fashion (RCTFF), received the PolyU Graduate School Outstanding Research Postgraduate Young Alumni Award 2024 in recognition of his achievements and contributions to PolyU.

Prof. TAO Xiaoming awarded RGC Theme-based Research Scheme funding

Prof. TAO Xiaoming, Director of the Research Institute for Intelligent Wearable Systems (RI-IWEAR), received a HK\$62.37M funding under the Theme-based Research Scheme 2024/25 of the Research Grants Council (RGC) for her project “Mechanisms and Key Technologies of Multi-Sensory Emulation Wearable Devices”, which aims to develop the first-of-its-kind emulation mechanisms based on fibrous structures and bionic actuation devices for delivering mixed scents and tactile sensations, to offer more immersive experiences.

Prof. TO Chi-ho conferred with Outstanding PolyU Alumni Award

Prof. TO Chi-ho, Member of the Research Centre for SHARP Vision (RCSV), was conferred the Outstanding PolyU Alumni Award 2023 in recognition of his significant achievements in the fields of myopia and glaucoma research, as well as his contributions to alma mater and society.

Prof. WANG Dan named ACM Distinguished Member

Prof. WANG Dan, Associate Director of the Research Centre for Digital Transformation of Tourism (RCDTT) and Member of the Research Institute for Artificial Intelligence of Things (RIAIoT), the Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE) and the Research Institute for Sustainable Urban Development (RISUD), has been named a 2023 Distinguished Member of the Association for Computing Machinery (ACM) for his contributions to data-driven applications and platforms for cyber-physical energy systems.

Prof. WENG Qihao wins double honours from American Association of Geographers

Prof. WENG Qihao, Associate Director of the Research Institute for Land and Space (RILS) and Member of the Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI), received the 2024 AAG Wilbanks Prize for Transformational Research in Geography from the American Association of Geographers (AAG), and the Lifetime Achievement Honor Award 2024 from the AAG Remote Sensing Specialty Group (RSSG).

Prof. Raymond WONG elected as Foreign Member of European Academy of Sciences

Prof. Raymond WONG Wai-yeung, Executive Committee Member of the Research Institute for Sustainable Urban Development (RISUD), Associate Director of the Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE), and Member of the Research Institute for Intelligent Wearable Systems (RI-IWEAR) and the Research Institute for Sports Science and Technology (RISports), was elected as a Foreign Member of the European Academy of Sciences (EurASc) in the Chemistry Division. EurASc is a renowned international association dedicated to advancing scientific knowledge and promoting scientific excellence and collaboration.

Dr ZHANG Xiao receives national outstanding impact award

Dr ZHANG Xiao, Member of the Research Institute for Advanced Manufacturing (RIAM) and the Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE), won the “2023 China Rising Stars in Science and Technology – Outstanding Impact Award” by ScholarSet, for his remarkable achievements in scientific research and promoting the transformation and popularisation of scientific research outcomes.

Dr Ivy ZHAO wins 1st Runner Up in Health Future Challenge 2023 to develop a hearing-cognitive training system for older adults with hearing loss

Dr Ivy ZHAO, Member of the Research Institute for Smart Ageing (RISA), was awarded the 1st Runner Up in the Health Future Challenge 2023 organised by the Knowledge Transfer and Entrepreneurship Office and received Translational Research Grant from the Faculty of Health and Social Sciences for her start-up project “A web-based game-like dual-task hearing-cognitive training system”. Health Future Challenge is a start-up ideation competition for students, researchers, alumni and industrialists to team up and come up with health-tech ideas and business models.

Dr ZHAO Xin receives Biomaterials Young Investigator Award

Dr ZHAO Xin, Member of the Research Institute for Future Food (RiFood), Research Institute for Intelligent Wearable Systems (RI-IWEAR) and Research Centre for Chinese Medicine Innovation (RCMI), received the 2024 Biomaterials Young Investigator Award, which was established by the Society of Biomaterials together with international journals including Biomaterials and Materials Today to recognise and encourage early career researchers in biomaterials science with outstanding contributions to the field.

Dr ZHENG Pai receives SME Outstanding Young Manufacturing Engineer Award

Dr ZHENG Pai, Member of the Research Institute for Advanced Manufacturing (RIAM), received the 2024 Outstanding Young Manufacturing Engineer Award by the Society of Manufacturing Engineers (SME). The Award recognises manufacturing engineers aged 35 or younger who have made exceptional contributions and accomplishments in the manufacturing industry.

PolyU-led Scolioscan wins gold award at GBA High-value Patent Portfolio Layout Competition

Scolioscan, a 3D ultrasound imaging system for radiation-free scoliosis assessment, developed by the research team led by Prof. ZHENG Yongping, Director of the Research Institute for Smart Ageing (RISA), won the Gold Award at the Guangdong–Hong Kong–Macao Greater Bay Area High-value Patent Portfolio Layout Competition 2023.

3.8
Going Beyond Research and
Serving the Communities

*In alphabetical order of surnames of researchers. The list is not exhaustive. Information reflects developments and statuses (e.g., position titles, memberships, affiliations) at the time of the events only.



PolyU scholars appointed to Hong Kong Web 3.0 Standardization Association

Prof. Christopher CHAO, Vice President (Research and Innovation), and Prof. CAO Jiannong, Director of the Research Institute for Artificial Intelligence of Things (RIAIoT), have been appointed by the Hong Kong Web 3.0 Standardization Association as members of its advisory committee and expert committee respectively. The Association is dedicated to pursuing research on the standardisation

of Web 3.0-related fields, pooling resources and establishing consensus in the industry, and promoting technological innovation, fostering standardisation in industrial ecosystem.

Prof. FAN Jintu appointed as Visiting Chief Scientist of Donghua University

Prof. FAN Jintu, Director of the Research Centre of Textiles for Future Fashion (RCTFF), was appointed as Visiting Chief Scientist of the Shanghai International Fashion Innovation Centre (SIFIC), Donghua University for a period of three years, from 1 June 2023 to 31 May 2026. Prof. Fan will provide professional advice and strategic inputs to the Center in relation to disciplinary development, scientific research, talent development, international collaboration and other matters.

PolyU joins WHO Global SPECS Network, contributing towards 2030 global eye health target



PolyU has joined as a member institution of the Global SPECS Network hosted by the World Health Organization (WHO) in January 2024. Prof. HE Mingguang, Director of the Research Centre for SHARP Vision (RCSV), serves as the primary representative of PolyU in meetings, communication and collaboration of the Network. The Network promotes collective and coordinated advocacy and action towards the WHO SPECS 2030 target, that is to achieve a 40% increase in effective global coverage of refractive error by 2030.



3.9 Building New Research Collaborations

*In chronological order. The list is not exhaustive. Information reflects developments and statuses (e.g., position titles, memberships, affiliations) at the time of the events only.

Prof. Marco PANG appointed as Non-official Member of Primary Healthcare Committee

Prof. Marco PANG, Member of the Research Centre for SHARP Vision (RCSV), was appointed as a Non-official Member of the Primary Healthcare Committee of the HKSAR government for a term of two years, effective from 15 July 2024. The Committee advises the newly established Primary Health Commission on the planning of primary healthcare services and the allocation of resources through strategic purchasing, with the goal of enhancing the overall primary healthcare service.

Prof. SONG Haiyan appointed to Hainan’s Expert Advisory Group for High-Quality Development of Tourism

Prof. SONG Haiyan, Director of the Research Centre for Digital Transformation of Tourism (RCDTT), was appointed as a Member of the Expert Advisory Group for High-Quality Development of Tourism in Hainan, for a term of three years. The Group was established by Hainan Provincial Committee and the Hainan Provincial Government to enhance the consultative decision-making for high-quality tourism development.

Prof. WONG Ka-hing appointed as Vice-Chairman of Expert Committee on Food Safety

Prof. WONG Ka-hing, Management Committee Member of PAIR, Director of the Research Institute for Future Food (RiFood), has been appointed as the Vice-Chairman of the Expert Committee on Food Safety by the HKSAR Government for a term of two years with effect from 15 September 2024. The expert committee is responsible for providing advice to the Director of Food and Environmental Hygiene, HKSAR on matters relating to food safety.

Sr Prof. Charles WONG Man-sing appointed as Member of Energy Advisory Committee

Sr Prof. Charles WONG Man-sing, Management Committee Member of the Research Institute for Land and Space (RILS), Associate Director of the Research Institute for Sustainable Urban Development (RISUD), and Member of the Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI), was appointed as a Member of the Energy Advisory Committee of the Environment and Ecology Bureau by the HKSAR government, for a term of two years, with effect from 15 July 2024. The Committee advises the government on energy policy, including policy matters concerning energy supply and demand, energy conservation and efficiency, and other related matters.



PolyU joins forces with Xingguo county to promote textile industry development

On 19 March 2024, Prof. Christopher CHAO, Vice President (Research and Innovation), attended the inaugural Ganzhou Graphene and Textile and Apparel New Material Industry Symposium held in Jiangxi, and represented PolyU to sign a cooperation framework agreement on establishing a strategic partnership with the Government of Xingguo county of Jiangxi. The partnership aims to better gather quality resources to promote the development of textile and apparel industry.

PolyU partners with Yangjiang Offshore Wind Energy Laboratory to establish joint research centre to drive development of offshore wind power technology

On 26 March 2024, PolyU and Yangjiang Offshore Wind Energy Laboratory (the Laboratory) signed an agreement to jointly establish the “PolyU–Yangjiang Laboratory Joint Research Centre for Offshore Wind Power” (JRC).

The JRC will be operated and managed jointly by the Research Institute for Land and Space (RILS) and the Laboratory, signifying an increasingly close research collaboration between the two organisations in offshore wind power technology. Under the new partnership, PolyU and Yangjiang researchers will share resources and laboratory facilities, and join force in research projects on new technologies and materials for offshore wind power applications, as well as translating the research outcomes into practical solutions for industry.





PolyU and Diocesan Girls' School establish AI Swimtech Laboratory to enhance swimmers' performance

On 11 June 2024, the Research Institute for Sports Science and Technology (RISports) and Diocesan Girls' School (DGS) signed a Memorandum of Understanding to jointly establish the "PolyU-DGS AI Swimtech Laboratory" to catalyse joint research in the fields of sports science and technology.

Under the agreement, DGS will provide swimming

facilities, where PolyU researchers will install equipment for data collection and will arrange student swimmers to participate in a research trial. This collaboration aims to strengthen research on enhancing elite athletes' performance and enhance talent identification through unleashing their potential more fully.

PolyU collaborates with HKI Biotechnology to establish joint laboratory for biotech innovation

On 16 July 2024, PolyU and HKI Biotechnology Limited signed an agreement to jointly establish the "PolyU-HuiKang Joint Laboratory for Biotech Innovation", to drive biotech innovations to contribute to the development of drugs and treatments for ophthalmic and systemic diseases.

The Joint Laboratory will be operated by the Research Centre for SHARP Vision of PolyU and HKI Biotechnology Limited. It will focus on research on "Peptide Screening and Application Solutions" with the goal of advancing peptide drug discovery and enhancing high-throughput screening technologies. It will also focus on the transformation of outcomes from projects on "Human Lysozyme Eye Drops" into novel pharmaceuticals.



PolyU and Nanjing Zhuling to establish joint laboratory on industrialised construction

On 25 July 2024, PolyU and Nanjing Zhuling Technology Co., Ltd. signed a Memorandum of Understanding to build a joint laboratory on industrialised construction. The joint lab, led by the Research Institute for Advanced Manufacturing (RIAM) and Nanjing Zhuling, will focus on research directions such as construction digitalisation in the industrial metaverse, digital twins, construction robotics, smart building systems as well as advanced automation and AI-driven solutions.

The collaboration will involve applying the research outcomes generated from RIAM-led project to promote innovative development in the construction field, foster new quality productive forces and inject new momentum into the industry.



PAIR collaborates with STEM College of RMIT University to jointly establish PolyU-RMIT FutureLab

On 12 September 2024, a launching ceremony for the PolyU-RMIT FutureLab (FutureLab) was held. The FutureLab, jointly established by PolyU and RMIT University, is a new initiative to support and connect members from PolyU and RMIT University to undertake collaborative, interdisciplinary research projects in strategic areas, such as energy, smart cities, carbon neutrality, artificial intelligence, Internet of Things, etc., that contribute to the advancements and applications of cutting-edge technologies while promoting urban and environmental sustainability at the same time.

INITIATIVES





The PAIR Fellowship Scheme appoints a select number of outstanding external scholars as PAIR Distinguished Fellow, Senior Fellow, or Fellow. Appointed individuals contribute to various PAIR's key developments, including providing strategic advice on the research directions of PAIR constituent research units, developing joint proposals and conducting collaborative interdisciplinary research, sharing professional knowledge and experience with PolyU's academic faculties, researchers and students, and enhancing PolyU's connections with top universities around the world.

In the PAIR Fellowship Scheme 2023/24, a total of 7 new fellows were appointed, and 14 fellows from 2022/23 were reappointed.

2023/24

*In order of fellowship level and alphabetical order by surnames of fellows

Senior Fellows		
Name	Title and Institution	Research Area(s)
Prof. FANG Jiancheng	Professor Beihang University, China	Inertial technology and navigation technology; Quantum precision measurement and sensing; Functional information imaging based on extremely-weak magnetic field; Zero-magnetism medicine
Prof. GONG Jianya	Professor Wuhan University, China	Geographic information theory; Geometric remote sensing
Prof. LIN Jianguo*	Professor Imperial College London, UK	Metal forming, Materials and process modelling; Solid/computational mechanics
Prof. Iain MCCULLOCH	Professor University of Oxford, UK Professor Princeton University, USA	Energy & Environment; Materials & Devices; Photonics
Prof. Philip RUSSELL*	Emeritus Director Max-Planck Institute for the Science of Light, Germany	Behaviour of light in periodically structured materials; Nonlinear optics; Waveguides; Optical fibres and their applications
Prof. Robert YOUNG	Emeritus Professor University of Manchester, UK	Relationships between structure and mechanical properties of polymers and composites

Fellow		
Name	Title and Institution	Research Area(s)
Prof. PAN Tingrui	Chair Professor University of Science and Technology of China, China	Tactile sensing technology; Digital microfluidics; Wearable health and personalised medicine for ophthalmology

*Remarks:

Prof. Lin joined PolyU as Chair Professor of Materials Technologies in the Department of Industrial and Systems Engineering in September 2024. He served as a Professor at Imperial College London at the time of fellowship appointment.

Prof. Russell is currently the Scientific Director of the Russell Centre for Advanced Lightwave Science, Hangzhou, China.

2022/23

Distinguished Fellow		
Name	Title and Institution(s)	Research Area(s)
Prof. Jack DONGARRA	Professor Emeritus University of Tennessee, USA	Scientific computing; Numerical linear algebra; Parallel processing; Software tools; Mathematical software and software repositories

Senior Fellows		
Name	Title and Institution	Research Area(s)
Prof. Michael BATTY	Emeritus Professor University College London, UK	Development of data systems; Computer models of cities and regions
Prof. Eugene B. CHANG, MD	Professor University of Chicago, USA	Microbiome; Inflammation; Mucosal immunity; Inflammatory bowel diseases; Metabolism
Prof. CHEN Jun	Chief Scientist National Geomatics Center of China, China	Geographic information system
Prof. Ross COROTIS	Professor Emeritus University of Colorado Boulder, USA	Structural system reliability; Probabilistic code formulation; Societal trade-offs of risk; Natural hazards and policy decision-making

Senior Fellows		
Name	Title and Institution	Research Area(s)
Prof. Michael GOODCHILD	Distinguished Professor Emeritus University of California, Santa Barbara, USA	Geographic information systems, science, and technology
Prof. SHEN Xuemin	University Professor University of Waterloo, Canada	Wireless communications and networking; Resource allocation and mobility management; Wireless network security and user privacy; Connectivity and Internet of Things; Autonomous and connected car; Smart communities
Prof. WANG Chien Ming	Chair Professor The University of Queensland, Australia	Offshore floating fish farms; Infrastructure for offshore seaweed farms; Development of new structural models for analysis
Prof. XU Weilin	President Wuhan Textile University, China	Textile materials; Textile processing technology
Prof. ZHAO Tianshou	Chair Professor Southern University of Science and Technology, China Chair Professor The Hong Kong University of Science and Technology, HKSAR	Alternate and renewable energy; Energy conversion; Energy storage; Fuel cell technology; Heat and mass transport

Fellows		
Name	Title and Institution	Research Area(s)
Prof. CHE Chun-Tao	Professor University of Illinois Chicago, USA	Drug lead discovery from medicinal plants; Traditional Chinese medicine; Quality and standardisation of botanical supplements
Prof. LAO Lixing	Professor and President Virginia University of Integrative Medicine, USA	Acupuncture; Traditional Chinese medicine
Prof. Alex MIHAILIDIS	Professor University of Toronto, Canada	Pervasive computing and intelligent systems in health
Prof. Wendy MOYLE	Professor Griffith University, Australia	Dementia; Delirium; Depression; Assistive technologies; Ageing; Social robots and quality of life



The PAIR Young Fellowship Scheme (PAIR YF) for Research Assistant Professors (RAPs) aims to attract outstanding PhD graduates from top academic institutions worldwide to conduct interdisciplinary research. Appointed PAIR YF RAPs undertake research with a leading scholar in a distinctively new discipline that is different from their PhD research discipline and conduct interdisciplinary research in one or more RIs/RCs at PAIR.

Dr ZHANG Hanchao is the first PAIR Young Fellow RAP appointed. He will undertake interdisciplinary research focused on the development of photothermal-based technologies under mentorship, with the aim to enhance the efficiency of textile recycling and promote sustainability within the fashion industry.

PAIR Young Fellow RAP					
Name	Affiliated Academic Unit	Research Area(s)	Collaboration with PAIR Constituent Research Units	Mentor	Co-mentor
Dr ZHANG Hanchao	School of Fashion and Textile (SFT)	Photothermal technology for textile recycling and upgrading	Research Centre of Textiles for Future Fashion (RCTFF) Research Centre for Resources Engineering towards Carbon Neutrality (RCRE)	Prof. FAN Jintu Director of RCTFF; Chair Professor of Fiber Science and Apparel Engineering	Dr JIANG Yi Member of RCRE; Associate Professor in the Department of Civil and Environmental Engineering

4.3 PAIR Distinguished Lecture Series



The PAIR Distinguished Lecture Series invites eminent speakers from across the globe to share their research achievements and experiences along the academic journey, and exchange views with the PolyU community. PAIR Distinguished Lectures cover a wide range of topics, and often attract hundreds of participants onsite and thousands of online participants from all over the world.

In 2023/24, the Academy hosted a total of 22 Distinguished Lectures.

PAIR Distinguished Lecture Series				
Date	Topic	Speaker	Attendees	Views
1 September 2023	Developing a science of cities	Prof. Michael BATTY Bartlett Professor of Planning, University College London, UK	300+ (online)	11,000
27 October 2023	Healthcare innovation after the pandemic: Engineering-based medical education and efforts for commercialization	Prof. KIM Chulhong Namgo Chair Professor, Young Distinguished Professor, and Mueunjae Chair Professor of Electrical Engineering, Convergence IT Engineering, and Mechanical Engineering, Medical Science and Engineering, Pohang University of Science and Technology, South Korea	63 (onsite) 81 (online)	12,078
6 December 2023	An overview of high-performance computing and future requirements	Prof. Jack DONGARRA University Distinguished Professor of Computer Science, University of Tennessee, USA	89 (onsite) 239 (online)	12,011
8 December 2023	Acupuncture in the United States: From exploration to accessibility	Prof. LAO Lixing Professor and President, Virginia University of Integrative Medicine, USA	63 (onsite) 78 (online)	12,775

PAIR Distinguished Lecture Series				
Date	Topic	Speaker	Attendees	Views
2 January 2024	Biomanufacturing of functional tissues and organs: Exploration and progress	Prof. YANG Huayong Dean of Faculty of Engineering, Zhejiang University, China	71 (onsite) 57 (online)	14,655
27 February 2024	Battery fast-charging for sustainable electrification	Prof. WANG Chao-Yang William E. Diefenderfer Chair Professor, Electrochemical Engine Center, Department of Materials Science and Engineering, The Pennsylvania State University, USA	41 (onsite) 197 (online)	13,138
8 March 2024	Digital twinning the built environment	Prof. Ioannis BRILAKIS Laing O'Rourke Professor of Construction Engineering, University of Cambridge, UK	69 (onsite) 305 (online)	13,167
18 March 2024	What is a healthy gut microbiome and why is important to know?	Prof. Eugene B. CHANG, MD Martin Boyer Distinguished Professor of Medicine, The University of Chicago, USA	95 (onsite) 119 (online)	10,929
27 March 2024	Spatial-temporal information for high quality sustainable development	Prof. CHEN Jun Academician, National Geomatics Center, Ministry of Natural Resources, China	85 (onsite) 120 (online)	10,785
9 April 2024	How to get high-quality experimental data for hot stamping?	Prof. LIN Jianguo Head/Professor in Mechanics of Materials Division, Faculty of Engineering, Department of Mechanical Engineering, Imperial College London, UK	32 (onsite) 77 (online)	12,349
23 April 2024	Crosswalk between engineering, biology and medicine	Prof. CUI Zhanfeng Donald Pollock Professor of Chemical Engineering, University of Oxford, UK	77 (onsite)	11,209
26 April 2024	The future of elder care: Integrating large language models	Prof. Alex MIHAILIDIS Associate Vice-President, International Partnerships, University of Toronto, Canada	63 (onsite)	14,448
6 May 2024	New journey of energy revolution and automotive revolution	Ir Professor CHAN Ching-chuen, SBS Distinguished Chair Professor of Electric Vehicles and Smart Energy, PolyU	100+ (onsite)	11,524

PAIR Distinguished Lecture Series				
Date	Topic	Speaker	Attendees	Views
21 June 2024	Exploring 2D empty space	Prof. Sir Andre GEIM Regius Professor and Royal Society Research Professor, The University of Manchester, UK	300+ (onsite)	24,900+
21 June 2024	Photomolecular evaporation from hydrogels and pure water	Prof. CHEN Gang Carl Richard Soderberg Professor of Power Engineering, Massachusetts Institute of Technology, USA	300+ (onsite)	24,900+
21 June 2024	AI for turbulence modelling and computational fluid dynamics	Prof. CHEN Shiyi Chair Professor, Eastern Institute of Technology, China	300+ (onsite)	24,900+
21 June 2024	Interfacial flow over hierarchically structured surface: Slip boundary, flow separation control, and drag reduction	Prof. DUAN Huiling Dean, College of Engineering, Peking University, China	300+ (onsite)	24,900+
21 June 2024	Some puzzles and flow research opportunities in soft matter science	Prof. Steve GRANICK Robert K. Barrett Professor, Polymer Science and Engineering, University of Massachusetts, USA	300+ (onsite)	24,900+
21 June 2024	Hydrovoltaics: From green energy to intelligence	Prof. GUO Wanlin Professor, Nanjing University of Aeronautics and Astronautics, China	300+ (onsite)	24,900+
21 June 2024	Super-wettability and beyond — Quantum-confined Superfluid: Biological energy conversion, chemical reaction and information transfer	Prof. JIANG Lei Professor, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, China	300+ (onsite)	24,900+
8 August 2024	Shape programmable three-dimensional mesostructures and functional devices	Prof. HUANG Yonggang Achenbach Professor of Mechanical Engineering, Civil and Environmental Engineering, and Materials Science and Engineering, Northwestern University, USA	100+ (onsite)	15,500+
13 September 2024	Green technologies development for sustainable environment	Prof. David PUI Regents Professor, University of Minnesota, USA	100+ (onsite)	11,200+

4.4 PAIR Seminar Series

PAIR invites internationally recognised scholars and industry leaders in fields relevant to the Academy's strategic foci, for presentations and collaborative discussions with the PolyU community.

In 2023/24, the Academy hosted a total of 5 seminars.



PAIR Seminar Series				
Date	Topic	Speaker	Attendees	Views
12 October 2023	Collecting fog droplets using microfiber grids	Prof. TAN Zhongchao Founding Chair Professor, Vice Provost and Dean of Academic Affairs, Eastern Institute of Technology, Ningbo, China	31	13,703 (Keyanyun) 94 (Zoom)
1 December 2023	Challenges and opportunities for Chinese medicines research	Prof. CHE Chun-Tao Harry H.S. Fong Professor of Pharmacognosy, College of Pharmacy, University of Illinois Chicago, USA	37	16,500 (Keyanyun) 160 (Zoom)
22 May 2024	Urban environmental systems engineering for sustainable development: Digital modeling and intelligent control	Prof. CAO Shi-Jie Chief Professor, School of Architecture, Southeast University, China	32	10,535 (Keyanyun)
15 July 2024	Shape memory polymer composites: Programmability, 4D printing and applications	Prof. LENG Jinsong Dean of School of Future Technology, Harbin Institute of Technology, China	90	12,500 (Keyanyun)
24 September 2024	What myths have been disrupted about AI in the last two years?	Dr Roey Tzezana Fellow in Yuval Ne’eman Workshop for Science, Technology & Security, Tel Aviv University, Israel	100+	15,766 (Keyanyun)

4.5 PAIR Research salons

PAIR Research Salons provide a platform for PolyU academic and research staff to learn about the University’s latest strategic research and development plan for emerging areas, including the current development, challenges and applications in the fields, and to provide valuable and constructive feedbacks for future development.

In 2023/24, a total of 3 Research Salons were held.

PAIR Research Salons			
Date	Topic	Speaker	Attendees
11 July 2023	PAIR Research Salon for Institute of Quantum Technology	- Prof. LIU Ai-Qun Chair Professor of Quantum Engineering and Science (EEE) - Dr Jovie ZHANG Research Assistant Professor (EEE) - Prof. Alan LAU Professor (EEE) - Dr ZHANG Guofeng Associate Professor (AMA) - Prof. CHAU Lap-pui Professor (EEE)	32
11 June 2024	PAIR Research Salon for Environmental, Social, and Governance	- Prof. WU Qiang Associate Head (Research) & Professor (AF) - Prof. Eric CHUI Head (APSS); Co-Director (PReCIT) - Prof. Jerry YAN Chair Professor of Energy and Buildings (BEEE)	18
12 June 2024	PAIR Research Salon for Stem Cell Engineering and Immunotherapy	- Prof. DONG Cheng AVP (MRA); Chair Professor of Cell Engineering and ImmunoMedicine (BME) - Prof. YIP Shea-ping Head & Chair Professor of Diagnostic Science and Molecular Genetics (HTI); ADoRCSV - Prof. YANG Mo Associate Head (Research) and Professor (BME) - Prof. ZHAO Yanxiang Associate Head & Professor (ABCT) - Prof. Larry CHOW Head & Professor (ABCT)	33

4.6 PAIR Researchers Corner

PAIR Researchers Corner is a networking platform for PolyU academic/ research staff at all levels, connecting PolyU academics and researchers, particularly young researchers, for meaningful dialogues and exchanges.



In 2023/24, a total of 18 Researchers Corners were held.

Researchers Corner			
Date	Topic	Host(s)	Attendees
15 September 2023	Robotics research at PolyU	Dr David NAVARRO-ALARCON Associate Professor (ME)	8
13 October 2023	New media and public health communication	Dr LU Fangcao Research Assistant Professor (APSS)	7
17 November 2023	Inspiring multidisciplinary research design towards ai-empowered smart-ageing era	Dr LAM Sai-kit Research Assistant Professor (BME)	10
22 November 2023	Open discussion	Prof. CHEN Qingyan DoPAIR; Chair Professor of Building Thermal Science (BEEE); Hong Kong Global STEM Scholar	8
17 January 2024	Open discussion	Prof. CHEN Qingyan DoPAIR; Chair Professor of Building Thermal Science (BEEE); Hong Kong Global STEM Scholar	9
31 January 2024	The future of technology and its impact on society and education	Dr Fadi AI ZOUBI Assistant Professor (RS)	10
20 February 2024	Open discussion	Prof. ZHENG Zijian ADoRI-IWEAR; ADoUMF; Chair Professor of Soft Materials and Devices (ABCT)	12
21 February 2024	Strategies to promote youth mental health	Dr LI Yan Assistant Professor (SN)	9
27 February 2024	Open discussion	Prof. ZHENG Zijian ADoRI-IWEAR; ADoUMF; Chair Professor of Soft Materials and Devices (ABCT)	8
28 July 2024	Brain-inspired lingual and visual computing	Prof. CHEN Changwen Chair Professor of Visual Computing (COMP) Prof. Andrew LI Ping Dean (FH); ADoUBSN; ADoHZRI; Chair Professor of Neurolinguistics and Bilingual Studies (CBS)	8

Researchers Corner			
Date	Topic	Host(s)	Attendees
1 March 2024	Social and governance issues under ESG	Prof. WU Qiang Professor (AF)	9
5 March 2024	Open discussion	Prof. DONG Cheng AVP (MRA)	13
6 March 2024	Open discussion	Prof. CHEN Changwen Chair Professor of Visual Computing (COMP) Prof. Andrew LI Ping Dean (FH) ; ADoUBSN; ADoHZRI ; Chair Professor of Neurolinguistics and Bilingual Studies (CBS)	8
13 March 2024	Open discussion	Prof. DONG Cheng AVP (MRA)	13
20 March 2024	Using GenAI in enhancing advanced learning environments	Prof. HU Xiangen DoIHERD; DoERC; Chair Professor of Learning Sciences and Technologies (APSS)	5
10 April 2024	Special session for Global STEM Professors	Prof. WANG Xungai Associate Dean & Chair Professor of Fiber Science and Technology (SFT)	8
17 April 2024	Can we make tourism smarter: Digital transformation of tourism	Prof. SONG Haiyan Associate Dean & Chair Professor (SFT); DoRCDTT; Mr and Mrs Chan Chak Fu Professor in International Tourism	11
25 September 2024	Open discussion	Prof. ZHANG Weixiong ADoPAIR; Chair Professor of Bioinformatics and Integrative Genomics (HTI); Hong Kong Global STEM Scholar	9

5. PAIR IN THE COMMUNITY



5.1 Diverse Promotional Channels

PAIR leverages the power of integrated marketing communication to disseminate PAIR's research developments and impact stories, increasing the Academy's visibility in Hong Kong, the Nation and across the globe. The Academy has diverse promotional channels, reaching the PolyU community (e.g., staff, students, alumni, researchers), friends (e.g., top scientists, academics) and partners (e.g., industrialists, government units, supporters, donors).

In 2023/24, our promotional channels include:



Website

A one-stop website portal (in English, traditional Chinese, and simplified Chinese) containing access to all related online marketing deliverables by PAIR and related research units.



Mass Mailing

The PAIR Central Office and constituent research utilise the University-based Mailing List Management (MLM) system to send broad-based emails to both internal and external recipients. Our database has over 177,900 records.



Social Media

A total of 10 platforms providing online audience with the latest news about PAIR research achievements and activities.

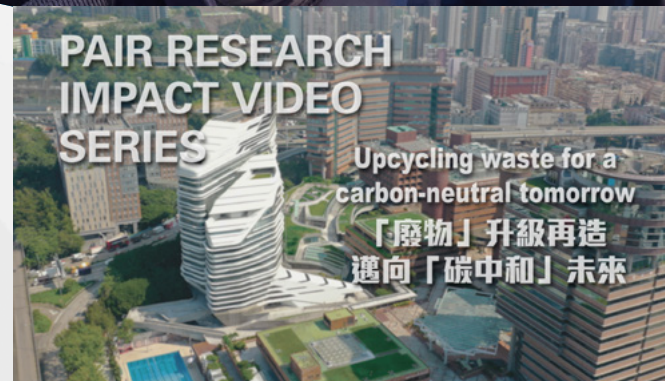
Among them, PAIR utilises global platforms like Facebook, Instagram, LinkedIn, Pinterest, X (Twitter) and YouTube, to communicate with our followers; while fans from Mainland China are engaged in four main channels, including Douyin, Xiaohongshu (RED), WeChat and Weibo.

The above channels record more than 16,000 followers in total. PAIR continuously explores new channels to expand our social media, building meaningful connections with our subscribers and delivering PAIR impact to the general public.



Publications

- Quarterly PAIR Newsletters in electronic and printed copies for providing detailed coverage on starred scholars, research works and latest Academy developments;
- PAIR Brochure for introducing the Academy and its constituent research units;
- PAIR Annual Report for providing a comprehensive review of PAIR's research-related operations, outcomes and achievements, knowledge transfer activities as well as organisational developments and initiatives; and
- Leaflets, pamphlets and brochures by the constituent research units for introducing their visions, missions, teams and research areas.



Videos

In 2023/24, PAIR launched the brand-new PAIR Research Impact Video Series. The Series invites PAIR researchers to share their latest research achievements and solutions to major challenges in the society. By far, two episodes have been published.

In addition, throughout the year, the Academy produces recordings for various events (e.g., distinguished lectures, seminars, salons) held at PAIR. In addition, PAIR and constituent research units have also produced video clips to introduce their visions and missions, research impacts, and projects. All videos are available for review on PAIR's YouTube channel.



Community and Scholarly Engagement

PAIR values community engagement to build better publicity of PAIR's research impact and to raise the public's awareness of PolyU's strategic interdisciplinary research. PAIR welcomes media representatives, external members and visitors from governments, universities and industries, as well as international delegations to come to PolyU campus for professional exchanges and laboratory visits. PAIR researchers also participate in external conferences, exhibitions, events and activities, delivering presentations, sharing ideas online and offline, showcasing research outputs, and engaging the general public.



Press Engagement

The PAIR Central Office works closely with the University's Communications and Public Affairs Office (CPAO) to engage local, national and international press and media. There are over 40 media releases and press conferences related to PAIR and its constituent research units.

5.2 Engaging External Stakeholders

PAIR engages researchers and the wider community to maximise the impact and visibility of PAIR's interdisciplinary research outcomes and contributions to the society in various ways. PAIR researchers participate in external events and activities, deliver presentations at various professional exchange events, conduct delegation visits, share ideas with mass media and showcase research outputs. PAIR also welcomes external members and visitors from governments, universities and industries, as well as international delegations to come to PolyU campus for professional exchanges and laboratory visits.

Highlighted engagement activities in 2023/24 include (in chronological order) :

Southeast University delegation visits PAIR

On 11 December 2023, Prof. ZHONG Wenqi, Member of the Standing Committee of the Party Committee and Vice President of Southeast University (SEU), led a delegation to visit PolyU. The visit intended to enhance SEU's engagement and partnership with PolyU in the areas of carbon neutrality and energy storage technology, and to explore the possibility of jointly establishing a high-level interdisciplinary research centre, with a view to accelerating the construction of a higher education talent training system for carbon peaking and neutrality.

PAIR delegation visit to Xixian New District

From 28 February to 1 March 2024, a delegation of PolyU Academy for Interdisciplinary Research (PAIR), led by Prof. CHEN Qingyan, Director of PAIR, visited Xixian New Area, Xian, and met with representatives from the Science, Technology and Innovation Bureau of Xixian New Area, as well as industry leaders of innovation and technology companies, to deepen exchanges on the potential collaboration between PolyU and Xixian New Area in establishing joint research institute.

The delegation included Prof. LI Heng, Associate Director of the Research Institute for Artificial Intelligence of Things (RIAIoT), Prof. HE Mingguang, Director of the Research Centre for SHARP Vision, and Prof. George Q. HUANG, then Associate Director of the Research Institute for Advanced Manufacturing (RIAM). The group visited companies in various technological fields, covering heavy industry, 4D technology, gene technology, biomedical engineering, advanced manufacturing, artificial intelligence, etc.



The delegation included Prof. CHEN Qingyan, Director of PAIR, Prof. John SHI, Director of the Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI), Prof. WANG Shengwei, Director the Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE), Prof. LI Heng, Associate Director of the Research Institute for Artificial Intelligence of Things (RIAIoT), Prof. LENG Zhen, Associate Director of the Research Centre for Resources Engineering towards Carbon Neutrality (RCRE), and others.

RI-IWEAR delegation visits Jinjiang textile and apparel enterprises

On 21 March 2024, Prof. TAO Xiaoming, Director of the Research Institute for Intelligent Wearable Systems (RI-IWEAR), led a delegation from PolyU to visit textile, apparel and sportswear enterprises in Jinjiang, China. The visit aimed to explore collaborations with the industry for advancing translation of research outputs and promoting industry-university-research collaboration.

PAIR delegation visits Moganshan Geo-Information Laboratory in Deqing

On 12–15 April 2024, Prof. CHEN Qingyan, Director of the PolyU Academy for Interdisciplinary Research (PAIR), and Prof. DING Xiaoli, Director of the Research Institute for Land and Space (RILS), visited the Moganshan Geo-Information Laboratory in Deqing, Zhejiang. The Moganshan Geo-Information Laboratory is dedicated to conducting spatiotemporal information for empowering high-quality sustainable development. The two parties had a fruitful meeting and explored potential collaborations.

RILS delegation visit to Shanghai and Tianjin

On 11–13 May 2024, a delegation of the Research Institute for Land and Space (RILS), led by Prof. YIN Jian-Hua, RILS Management Committee Member and Dr Gavin TOH, Chairman of the Geotechnical Division of The Hong Kong Institution of Engineers (HKIE-GD), had a technical visit to Shanghai and Tianjin. The three-day visit was to facilitate the exploration and development of potential technologies for sustainable land reclamation and development in Hong Kong, through learning from projects involving the utilisation of dredged materials for land reclamation in the cities.

Baoding Chinese Medicine industry delegation visits PolyU

On 16 August 2024, a delegation comprising Chinese Medicine industry representatives from Baoding city, Hebei, visited PolyU. The delegation was led by Mr MA Yimin, Member of the Party Leadership Group of Baoding Municipal People’s Government and Deputy Secretary of Party Working Committee of the High-tech Zone, Mr CHEN Shaohui, Secretary of Party Leadership Group and Director of Baoding Municipal Market Regulation Administration, and Ms PANG Ying, Secretary of Party Leadership Group and Chairman of Baoding Municipal Health Commission. The visit aimed to explore potential collaborations with PolyU in areas of Chinese Medicine research.



PAIR Director explains how interdisciplinary collaboration maximises research impact

Prof. CHEN Qingyan, Director of the PolyU Academy for Interdisciplinary Research (PAIR), penned an article titled “Maximise your research impact through interdisciplinary collaboration” for Times Higher Education Campus (THE Campus). In the article, Prof. Chen shared with readers how universities can develop impactful research and make meaningful, society-changing findings, with reference to examples and practices at PAIR.

5.3 Broad Range of Events at PAIR Constituent Research Units

PAIR constituent research units organise and co-organise many professional exchange activities of various scales, modes and genres. 2023/24 activities include:

- C/S Conference / Symposia / Summit
- L Lecture
- S/W Seminar / Webinar / Workshop / Research Salon
- O Others

*In alphabetical order by names of research units

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Research Institute for Advanced Manufacturing (RIAM)	10 October 2023	S/W	High-speed rail, firm competition and industrial upgrading: Evidence from China
	11 October 2023	S/W	International trade and carbon emissions
	16 October 2023	S/W	Evidence-based approach for eliciting preferences in graph model for solving strategic conflicts in aviation industry
	20 October 2023	S/W	Improved coordination of scheduling decisions in the management of airport airspace and taxiway operations
	25 October 2023	S/W	Learning policies for decision-making with causal machine learning: The case of development financing
	2 November 2023	S/W	Challenges of energy storage and conversion by high energy density rechargeable batteries for electromobility
	9 November 2023	S/W	Mechanical behaviour and thermal stability of nanotwinned Al alloys
	17 January 2024	S/W	Digital manufacturing and human-centered automation workshop
Research Institute for Artificial Intelligence of Things (RIAIoT)	5 April 2024	S/W	RIAM Research Seminar: Challenges of traditional manufacturing techniques — Metal forming
	4 July 2023	S/W	RIAIoT Distinguished Speaker Series: Challenges and opportunities in deploying CAVs — Our journey from simulation to experimentation, and pilot
	17 August 2023	S/W	Cognitive science inspired machine learning and robotics
	12 September 2023	S/W	RIAIoT Distinguished Speaker Series: A wait-and-see two-threshold optimal sleeping policy for a single server queue with bursty traffic
	2 November 2023	S/W	How to break the CAP trilemma of blockchain consortium chains
	30 November 2023	S/W	RIAIoT Talk: AI-enhanced sensor webs for healthcare and security
	25 January 2024	L	RIAIoT Distinguished Lecture Talk Series: Pushing the limit of mobile sensing — Smart healthcare in the age of AIoT

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Research Institute for Artificial Intelligence of Things (RIAIoT)	25 April 2024	S/W	RIAIoT Distinguished Talk Series: Holistic network virtualization — AI-native 6G
	16 May 2024	S/W	RIAIoT Distinguished Talk Series: From smart sensing to smart living — The era of IoT, AI/ML and data science
Research Institute for Future Food (RiFood)	17–19 August 2023	C/S	Hong Kong Food Expo 2023
	28 October–5 November 2023	C/S	InnoCarnival 2023
	24–27 May 2024	C/S	Global Chinese Environmental Protection Conference 2024 <i>*Co-organised with RCRE</i>
Research Institute for Intelligent Wearable Systems (RI-IWEAR)	4 July 2023	S/W	RICNNM x RI-IWEAR Research Seminar on Applied Textile Chemistry: Development of functional materials for improved personal protection and safety
	9 August 2023	S/W	RI-IWEAR Research Seminar X: Advanced fibrous materials for wearable and self-chargeable electronic devices
	6 September 2023	S/W	RI-IWEAR Research Seminar XI: Autonomous robotic capture of non-cooperative space debris by reinforcement learning based tactile feedback control
	4 December 2023	S/W	RI-IWEAR Research Seminar XII: • New nanomanufacturing paradigms for sustainable large-area electronics • Strategies for engineering performance improvements in perovskite photovoltaics
	22 January 2024	S/W	RI-IWEAR Seminar XIII: AI accelerates scientific discovery and technological innovation
	25 January 2024	S/W	RI-IWEAR Research Seminar XIV: Carbon nanotube-based epidermal electronic systems
	1 February 2024	S/W	RI-IWEAR Research Seminar XV: Technology for bioelectronic medicine
	16 May 2024	S/W	RI-IWEAR Research Seminar XV: Graphene — Science meets politics and fashion
	12 July 2024	S/W	RI-IWEAR Research Seminar: The promises and challenges of multifunctional nanocompositesv
	17 July 2024	S/W	RI-IWEAR Research Seminar: Smart medical for people living with chronic conditions

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Research Institute for Land and Space (RILS)	4 July 2023	O	Opening Ceremony of HKBIM Future Public Housing Design Competition
	18 July 2023	S/W	Treatment and reuse of municipal solid waste incineration ash
	7 October 2023	O	Closing Ceremony of HKBIM Future Public Housing Design Competition
	12 October 2023	O	Delegation Visit by Goldwind
	12 October 2023	S/W	Overview of ocean wind power generation industry in China
	7 November 2023	O	Visit to Tai O Village for Research Collaboration
	12–13 November 2023	O	RILS Delegation Visit to Yangjiang Laboratory Joint Research Centre for Offshore Wind Power
	28 November–2 December 2023	S/W	International Expert Workshop on Volatile Organic Compounds 2023
	7–9 December 2023	O	Delegation Visit by Yangjiang Government
	9 December 2023	S/W	Workshop on GeoAI and Big Data for Urban, Environment, and Sustainability
	9 December 2023	C/S	International Academic Forum for Non-exposed Space
	26 January 2024	C/S	International Symposium on Reclamations Using Local Dredged Sediments
	6 March 2024	L	RILS Public Lecture: Development of a 3D digital map in Hong Kong
	11 March 2024	O	Visit by Netherland Consulate
	18 March 2024	O	Founding Ceremony of PolyU–Yangjiang Laboratory Joint Research Centre for Offshore Wind Power
	23 March 2024	O	Field Visit to The Integrated Waste Management Facilities Phase I
	10 April 2024	L	Public Lecture: Explore infinite opportunities with Common Spatial Data Infrastructure (CSDI)
	18–19 April 2024	C/S	2024 Hong Kong International Conference on Nature-based Solutions for Urban Infrastructure (NBSUI)

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Research Institute for Land and Space (RILS)	28 June 2024	S/W	RCAIG Seminar Series
	12 July 2024	S/W	RILS & RCAIG Seminar Series: Drone and AI driven high-performance digitization and management of smart sustainable cities
	23 July 2024	S/W	RILS & RCAIG Seminar Series: Earth observation images and intelligent methods in developing building footprint inventories — A sustainable city planning lens
	9 August 2024	S/W	RILS & RCAIG Seminar: Learning to simulate and understand the 3D world
	30 August 2024	S/W	RILS & RCAIG Seminar: What's cadastral surveying? Can AI help tackle its challenges?
	13 September 2024	S/W	Signing Ceremony of Deqing RI
	20 September 2024	S/W	LSGI & RILS Research Seminar: Unlocking space and time — From spacetime analytics to generative GeoAI for urban transformation
Photonics Research Institute (PRI)	18 July 2023	O	Chinese Laser Press Visit
	26 July 2023	S/W	EEE X PRI Joint Seminar: Silicon photonics at 2µm wavelengths
	3 August 2023	S/W	EEE X PRI Joint Seminar: Localized surface plasmonic sensing and microfluidics for immunodetection
	5 October 2023	S/W	PRI Distinguished Seminar Series: Optical vortices — Science and applications
	24 October 2023	S/W	PRI Distinguished Seminar Series: 2D materials for grand photonic challenges
	29 November 2023	S/W	PRI Research Seminar Series: Coupling physical stimuli to luminescence and optoelectronics
	1 December 2023	S/W	PRI Research Seminar Series: Perovskite light-emitting devices
	11 January 2024	S/W	PRI Distinguished Seminar Series: High-throughput single-pixel spectrometers for next-generation spectroscopic sensors
	19 January 2024	S/W	PRI Distinguished Seminar Series: Ultra-high-Q microcavity optics and photonics
	6 February 2024	S/W	PRI Distinguished Seminar Series: Electronics on anything — How thin film electronics can instrument the world

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Photonics Research Institute (PRI)	15 March 2024	S/W	PRI Research Seminar: Deep-tissue optics — Motivation, progress, challenges, and perspectives
	8 April 2024	S/W	PRI Distinguished Seminar Series: Synthetic interface optics — Plasmonic/dielectric, TMDC and van der waals metasurfaces
	22 April 2024	S/W	PRI Distinguished Seminar Series: Optical fiber distributed acoustic sensors — Challenges and solutions
	26 April 2024	S/W	PRI Research Seminar Series: Super-resolution optical imaging — In vivo, in situ, and multicolour
	26 April 2024	S/W	PRI Research Seminar Series: Near infrared phototheranostics using biocompatible nanoformulations
	20 May 2024	S/W	PRI Research Seminar Series: High resolution optical imaging enabled by field engineering — From physics to engineering
	25 June 2024	S/W	PRI Research Seminar Series: Droplet optofluidics for high-throughput analysis of surfactant/nanoparticles self-organizations
	8 July 2024	S/W	PRI Research Seminar Series: Seeing like dragonflies — Optical fiber-based artificial compound eyes
	29 August 2024	S/W	PRI Research Seminar Series: Optical wireless communications for IoT applications
Research Institute for Smart Ageing (RISA)	15 October 2023	O	Hong Kong Arthritis Day 2023 <i>*Co-organised with RISports</i>
	25 October 2023	S/W	Pre-conference workshops for Healthy Ageing Conference 2023
	26–27 October 2023	C/S	Healthy Ageing Conference 2023
	18 November 2023	C/S	30 th Annual Congress of Gerontology
	12 March 2024	S/W	Research Seminar on Co-Designing a Social Robot For People Living With Dementia
	13 March 2024	C/S	RISA Symposium on Brain Ageing, Imaging and Stimulation
	19 March 2024	S/W	Engaging people with dementia using technology
	22 April 2024	S/W	RISA Research Seminar: Collaborations between Hong Kong and Canada in eldercare technology — Opportunities for new innovation

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Research Institute for Smart Ageing (RISA)	20 June 2024	S/W	RISA Research Seminar: Lights-on for ageing and neurodegenerative disease — Exploring the benefits of photobiomodulation
	11 July 2024	S/W	Research Seminar on Automated Scoliosis Screening: Use of advanced deep learning in ultrasound technology
Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI)	20–23 August 2023	C/S	Global Smart Cities Summit 2023 & 3rd International Conference on Urban Informatics (ICUI 2023)
	31 May 2024	S/W	SCRI Seminar on 3D mapping technology innovation and applications
	5–7 June 2024	O	2024 APSC Expo <i>*Co-organised with RIAIoT</i>
	12 June 2024	S/W	SCRI Research Seminar by Prof. Elsa ARCAUTE: Multiscalarity in urban systems
	25 June 2024	S/W	SCRI Research Seminar by Prof. WANG Qunming: Fusion for Reconstruction of Remote Sensing Data
	4–7 July 2024	C/S	2024 世界人工智慧大會：國際 AI 城市論壇
	17–20 July 2024	C/S	第十七屆中國智慧城市大會
	9 August 2024	C/S	Forum on the low-altitude economy and smart city synergies
	11 September 2024	L	LSGI & SCRI Distinguished Lecture Series by Prof. Michael GOODCHILD
	17 September 2024	L	LSGI & SCRI Distinguished Lecture Series by Prof. Michael BATTY
	20 September 2024	S/W	SCRI Research Seminar by Prof. CHEN Biyu: Facility-based accessibility — A new research agenda by integrating facility choice behaviours into the evaluation of place-based accessibility
Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)	21 July 2023	S/W	EEE & RISE Joint Seminar: Inside nature communications — Insights into scientific publishing and writing tips
	8–9 August 2023	S/W	How to become an effective author of highly-ranked, peer-reviewed scholarly journal papers?
	16 August 2023	S/W	EEE & RISE Joint Seminar: High performance Perovskite optoelectronic devices via defect passivation potential career development opportunities at Huaqiao University

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)	24 October 2023	S/W	Workshop theory, concepts and energy systems analysis of smart renewable energy systems
	17 November 2023	S/W	RISE UGI Partnership Series: Industrial R&D innovations in smart building management technologies
	4 December 2023	S/W	Joint EEE-RISE-CRF Seminar: Fused-ring electron acceptors for organic photovoltaics
	11 December 2023	S/W	High impact publishing at Joule
	8–10 May 2024	O	Build4Asia Expo 2024
	19 May 2024	S/W	EEE-RISE Joint Seminar Crystallization kinetics control for highly efficient organic photovoltaics
	20 May 2024	S/W	RISE Seminar (Smart Energy)
	15 August 2024	S/W	RISE Seminar: Machine Learning (ML) based data-driven smart building applications and challenges
Research Institute for Sports Science and Technology (RISports)	17 November 2023	S/W	Distinguished Seminar Series: Sports footwear science
	28 November 2023	O	MOU signing ceremony with HKSI
	24 January 2024	S/W	Distinguished Elite Athletes Seminar Series
	1 March 2024	O	Golf Fun Day
	6 June 2024	O	Taichi-Run Competition
	7 June 2024	O	MoU Signing Ceremony with DGS
	13 August 2024	S/W	Distinguished Sports Research Seminar on Wearable Iontronic Devices for Sports and Healthcare Applications
Research Institute for Sustainable Urban Development (RISUD)	6–7 July 2023	C/S	RISUD International Symposium: Urban sustainability through innovative technologies
	4 August 2023	S/W	RISUD Research Seminar: Modular metacognitive digital twin technologies for greener cities & cleaner mobility
	4 August 2023	S/W	RISUD Research Seminar: Combat climate change – From zero emission to negative emission

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Research Institute for Sustainable Urban Development (RISUD)	16 August 2023	S/W	RISUD Research Seminar: Rigid and deformable granular materials — Characterization, modelling, and applications
	12 September 2023	S/W	RISUD Research Seminar: Robust charging strategies for regular electric bus fleets and scheduling optimization of electric modular buses
	5 October 2023	S/W	RISUD EFA Final Progress Research Salon: Smart firefighting system for the sustainable development of the Greater Bay Area
	13 October 2023	S/W	RISUD SFA Final Progress Research Salon: Optimized design and optimal control of smart buildings of enhanced grid friendliness and responsiveness
	20 October 2023	S/W	RISUD Research Seminar: Advanced technologies and materials for the thermal management of lithium ion batteries
	1 November 2023	S/W	RISUD Research Seminar: Global climate change and human health
	6 November 2023	S/W	RISUD Research Seminar: Target and nontarget screening of emerging contaminants in water environments
	13 November 2023	S/W	RISUD Research Salon: Augmenting the extreme weather forecasting capability in the Greater Bay Area through improving the accuracy of satellite-based atmospheric water vapor remote sensing observations using continent-based and ocean-based GNSS calibration
	24 November 2023	S/W	RISUD Research Seminar: Understanding and mitigating microplastics induced inhibition on waste-to-energy conversion
	27 November 2023	S/W	RISUD Distinguished Lecture: Neurological health effects of traffic-related air pollution
	19 December 2023	S/W	RISUD Research Seminar: • A machine learning approach for geometrical volume of fluid methods with applications to water waves • Efficient global optimization for calibration of water resources systems including new parallel optimization algorithms and applications to hydrodynamics and water quality lake PDE models
	21 December 2023	S/W	RISUD Research Seminar: Numerical prediction of extreme weather events in the Greater Bay Area

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Research Institute for Sustainable Urban Development (RISUD)	21 December 2023	S/W	RISUD SFA Final Progress Research Salon: High-performance materials and structural elements for sustainable floating structures
	18 January 2024	S/W	RISUD Research Seminar: Glass facades — From materials' properties to blast safety
	24 January 2024	L	RISUD Distinguished Lecture — How bad is the air quality in underground subway systems and what is the health risk to commuters and transit workers? A global view
	27 February 2024	S/W	RISUD SFA Final Progress Research Salon — 3D GIS, land-use planning scenarios, and transport models for urban simulation
	13 March 2024	S/W	RISUD Research Salon: Enhancing the resilience of underground water pipeline systems in Hong Kong
	14 March 2024	S/W	RISUD Research Salon: Interlinked low-carbon travel and residential behaviour — Energy, climate, social and infrastructural impacts
	15 March 2024	S/W	RISUD Research Seminar: Atmospheric moisture transport, hydrometeorological extremes and water sustainability
	22 March 2024	S/W	RISUD JRF First Annual Progress Research Salon: Feasibility study of hybrid floating solar-wave converter hub (FioSWACH) towards sustainable energy development and its applications in Hong Kong
	26 March 2024	S/W	RISUD Research Salon: Key technologies for developing offshore jack-up MiC factories in Hong Kong
	11 April 2024	S/W	RISUD Workshop on Urban Resilience
	13 May 2024	S/W	RISUD Research Salon: Multiple functional sub-ambient daytime radiative cooling coating for sustainable built environment
	16 May 2024	S/W	RISUD Research Salon: Air pollution-induced immune impair and respiratory pathogen colonization
	5 June 2024	S/W	RISUD Research Salon: Data-driven Solutions for decarbonising transportation sector by coupling renewable energy, energy storage and smart EV-charging
	15 June 2024	C/S	China Offshore Wind Support Structure Design and Construction Conference
	19 June 2024	S/W	Workshop on Climate-resilient Coastal Cities and Rural Areas II

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Research Institute for Sustainable Urban Development (RISUD)	27 June 2024	S/W	RISUD x RCRE Research Seminar: Utilisation of carbon dioxide for sustainable urban development
	2 August 2024	S/W	RISUD Research Seminar: Development and application of air benefit, cost and attainment assessment system
	5 August 2024	S/W	RISUD Research Seminar: Emergence, evolution and spread of antibiotic resistance associated with non-antibiotic drugs
	13 August 2024	S/W	RISUD Research Seminar: The beauty of folding — Extraordinary mechanics and acoustics of origami structures
	11 September 2024	S/W	RISUD Research Seminar: Chemical effect on hydro-mechanical behavior of compacted bentonite used as buffer material
Research Centre for Chinese Medicine Innovation (RCMI)	29 July 2023	S/W	RCMI Research Seminar Series: Forum on development and innovation of traditional Chinese medicine
	12 January 2024	L	RCMI Public Lecture: Long COVID in Canada — CANCOV, RECLAIM and Long COVID Web
	23–25 May 2024	C/S	Acupuncture International Conference 2024
Research Centre for Deep Space Explorations (RCDSE)	19 July 2023	L	Mission S Lecture: Deep space explorations
	17 July 2024	S/W	Estimating planetary rock mechanical properties using limited information
Research Centre for Digital Transformation of Tourism (RCdTT)	19 February 2024	O	Inauguration Ceremony of Research Centre for Digital Transformation of Tourism
	3 May 2024	S/W	On the pursuit of impactful research: Tourism big data and pro-poor practices
	6 June 2024	S/W	Decarbonizing tourism: A macroeconomic framework for tracking progress and allocating responsibilities
	7 August 2024	O	Signing Ceremony with Hotel ICON
Mental Health Research Centre (MHRC)	25 August 2023	S/W	Invited Talk: The impact of pathogen prevalence on pre-political beliefs, human rights, political ideology and partisan preference
	13 December 2023	L	Nobel Laureate Lecture: The molecular architecture of synapse formation
	2 February 2024	S/W	MHRC Research Seminar: Neural circuit mechanism of observational fear, a rodent model of affective empathy

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Mental Health Research Centre (MHRC)	12 April 2024	S/W	MHRC Research Seminar: Choice preferences for mental health services — A comparison between Hong Kong and China's mega cities
	13 June 2024	S/W	MHRC Research Seminar by Dr LI Fan
	17 July 2024	S/W	MHRC Research Seminar: Computational pipeline for cross-trait analysis with examples for psychological and neurological diseases
	23 July 2024	S/W	Psychological adjustment in Chinese American children of immigrant families — The roles of cultural orientations, parenting, and neighborhood
	30 August 2024	S/W	MHRC Research Seminar: Exploring the connections of gut inflammation to brain and mental health
	30 August 2024	S/W	MHRC Research Seminar: Why intelligent people do unnatural things
	5 September 2024	S/W	MHRC Research Seminar: What makes us happy?
	11 September 2024	S/W	MHRC Research Seminar: Future treatment of mood disorders
	25 September 2024	S/W	MHRC Research Seminar: Ecological momentary assessment as precision measurement for psychosocial interventions
Research Centre for Resources Engineering towards Carbon Neutrality (RCRE)	27 July 2023	S/W	RCRE Seminar: 3D Printing of strain-hardening cementitious composite (SHCC) and its structural applications
	6 September 2023	S/W	RCRE Seminar: Review of current options for low-carbon cement and concrete
	7 September 2023	S/W	RCRE Seminar: From clays to cement and charcoal... Bridging time and length scales in the modeling of complex porous materials
	7 September 2023	S/W	RCRE Seminar: Spray-based 3D concrete printing — Material, process, and its potential
	14–15 September 2023	O	Showcase at the Sustainable Business Forum & Solutions Expo
	18 September 2023	S/W	RCRE Seminar: Hydrothermal liquefaction (HTL) of biomass and biowastes for biocrude production, reaction kinetics, process scale-up and future perspectives

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Research Centre for Resources Engineering towards Carbon Neutrality (RCRE)	13–16 December 2023	C	The 11 th International Conference on the Environmental and Technical Implications of Construction with Alternative Materials (WASCON2023)
	26 February 2024	S/W	RCRE Webinar: Development of low carbon glass-based architectural products with durable antimicrobial potential and beyond
	28 March 2024	S/W	RCRE Webinar: Toward net-zero air travel via the take-up of sustainable aviation fuels — Fundamental characterizations and application-oriented implementations
	8 May 2024	S/W	RCRE Webinar: Upcycling wool carpets into electrodes for wearable electrolyzers
	10 May 2024	S/W	RCRE Seminar: CO2 utilization in concrete — Challenges and opportunities
	23 May 2024	S/W	RCRE Seminar: Appropriate technology for CO2 reduction — Utilization of non-captured CO2 & development of new supplementary cementitious materials
	18 July 2024	S/W	RCRE Seminar: Recycling strategies for C&D waste
	18 July 2024	S/W	RCRE Webinar: Recycling of waste glass fibre-reinforced polymer (FRP) composites into short reinforcements for construction materials
	23 September 2024	S/W	RCRE Webinar: Towards sustainable waste-to-wealth — Process development, decision-making and systems integration for carbon-neutrality and sustainability transition
Research Centre for SHARP Vision (RCSV)	19 July 2023	S/W	RCSV and School of Optometry 45 th Anniversary Joint Research Seminar: Modern medical AI
	23 August 2023	S/W	RCSV and School of Optometry 45 th Anniversary Joint Research Seminar: From hyperopic reserve to myopia — A different view of refractive development
	13 September 2023	S/W	RCSV and School of Optometry 45 th Anniversary Joint Research Seminar: Fixational eye movements in the absence of central vision
	17 October 2023	S/W	RCSV and School of Optometry 45 th Anniversary Joint Research Seminar: New approaches to the treatment of amblyopia

PAIR Constituent Research Unit(s)	Date	Genre^	Title
Research Centre for SHARP Vision (RCSV)	24 November 2023	S/W	Artificial Intelligence (AI) technology for developing systems to help people with vision problems
	10 December 2023	S/W	US-Asia Pacific Workshop with the United States National Eye Institute / National Institute of Health
	26 February 2024	S/W	RCSV and SO Joint Research Seminar: Smart primary eye care service
	7 March 2024	S/W	RCSV and SO Joint Research Seminar: Neural repair of glaucomatous RGC and optic nerve
	11 March 2024	S/W	RCSV and SO Joint Research Forum: Visionary insights — Innovations in myopia management and diabetic retinopathy research
	23–24 May 2024	C/S	International Conference of Vision & Eye Research 2024 (iCover2024)
	31 May 2024	S/W	Vision for All — Lessons from One of the World's Largest Eye Hospitals
	4 July 2024	S/W	RCSV & SO Joint Research Forum: How AI is transforming ophthalmology, medicine, and the world
	16 July 2024	O	PolyU–HuiKang Bio Lab MoU Signing cum Inauguration Ceremony
	19 July 2024	C/S	RCSV and SO Joint Research Forum: Data-driven understanding of personalised medicine
Research Centre of Textiles for Future Fashion (RCTFF)	11 July 2024	L	RCTFF Distinguished Lecture: Nanofiber technology for personal protection equipment
	12 July 2024	C/S	RCTFF Symposium on Interdisciplinary Research for Fashion & Textile

6. PEOPLE AT PAIR



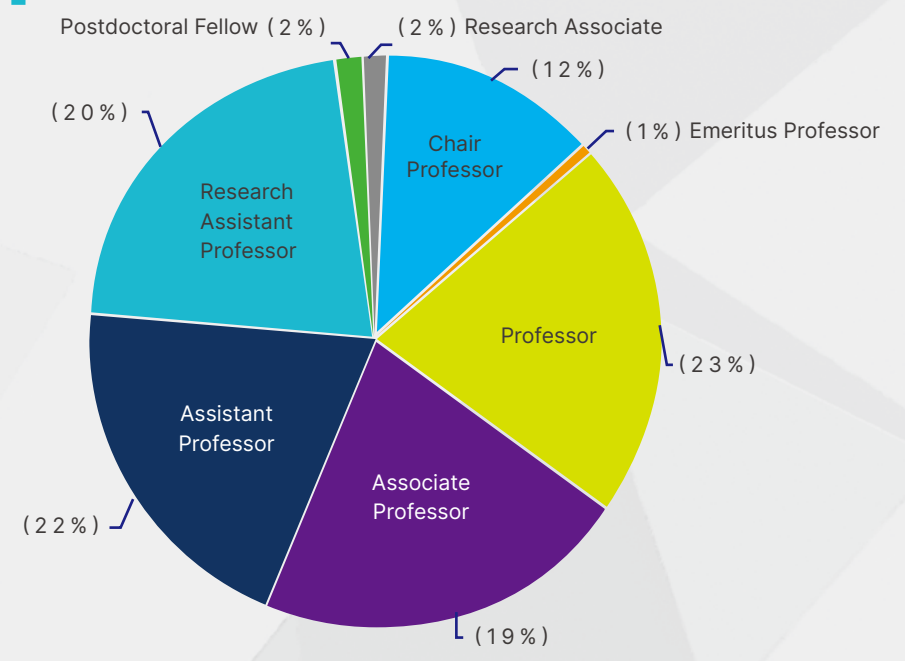
6.1

Larger Research Team with Stronger Synergistic Innovative Capability

PAIR brings together PolyU research staff at various levels for interdisciplinary collaborations. As of 31 October 2023, our 17 constituent research units bring together a total of 528 raPAIR and constituent research units bring together PolyU researchers from different faculties, schools and departments for collaborative, interdisciplinary research.

In 2023/24, the Academy comprises 629 researchers at various academic position levels.

PolyU Researchers at PAIR 2023/24



	2023/24*	2022/23	2021/22
Academic Position			
Chair Professor	77	70	50
Emeritus Professor	9	2	–
Professor	142	111	92
Associate Professor	119	113	106
Assistant Professor	136	103	75
Research Assistant Professor	126	117	72
Postdoctoral Fellow	10	9	3
Research Associate	10	3	4
Total	629	528	402

*Data includes PAIR Fellows and members of PAIR constituent research units.

6.2 PAIR Management

International Advisory Committee

The International Advisory Committee (IAC) of PAIR is to provide strategic recommendations for the future development of PAIR. The IAC comprises external experts who are professional, industry or academic leaders with high reputation and rich administrative experience.

*In alphabetical order by surnames

Chairman

Prof. Ross B. COROTIS

Professor Emeritus of Civil Engineering
University of Colorado at Boulder, USA

Members

Prof. Mathias FINK

George Charpak Professor
ESPCI Paris, France

Prof. HUANG Yonggang

Achenbach Professor of Mechanical Engineering, Civil and Environmental Engineering, and Materials Science and Engineering
Northwestern University, USA

Prof. SHU Gequn

Professor, Party Committee Secretary
University of Science and Technology of China, China

Prof. SO Kwok-fai

Director
GHM Institute of CNS Regeneration, Jinan University, Guangzhou, China

Prof. Bernd GIROD

Robert L. and Audrey S. Hancock Professor of Electrical Engineering, Emeritus
Stanford University, USA

Dr LIN Chao-hsin

Technical Fellow
The Boeing Company, USA

Prof. Harry SHUM, BBS

IAS Professor-at-Large Emeritus, Council Chairman
The Hong Kong University of Science and Technology, HKSAR

Prof. ZHOU Chenghu

Professor
The Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, China

Management Committee

The Management Committee (MC) of PAIR is the decision-making body responsible for steering and overseeing all aspects of the development and deployment of PAIR's resources including human, financial, space and facilities, and information for achieving the strategic goals of the Academy and the University. The PAIR MC includes the Director of PAIR, directors of specific constituent research units, and academic leaders from specific disciplines at PolyU.

*In alphabetical order by surnames

Chairman

Prof. CHEN Qingyan

- Director of PolyU Academy for Interdisciplinary Research (PAIR)
- Chair Professor of Building Thermal Science
- Hong Kong Global STEM Scholar

Members

Prof. CHEN Changwen

- Chair Professor of Visual Computing

Prof. DING Xiaoli

- Director of Research Institute for Land and Space (RILS)
- Chair Professor of Geomatics

Prof. TAO Xiaoming

- Director of Research Institute for Intelligent Wearable Systems (RI-IWEAR)
- Vincent and Lily Woo Professor in Textiles Technology
- Chair Professor of Textile Technology

Ir Prof. WANG Shengwei

- Director of Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)
- Otto Poon Charitable Foundation Professor in Smart Buildings
- Chair Professor of Building Energy and Automation

Prof. ZHANG Weixiong³

- Associate Director of PolyU Academy for Interdisciplinary Research (PAIR)
- Chair Professor of Bioinformatics and Integrative Genomics
- Hong Kong Global STEM Scholar

Prof. Sylvia CHEN¹

- Interim Director of Mental Health Research Centre (MHRC)
- Associate Dean of Faculty of Health and Social Sciences
- Chair Professor of Social and Cultural Psychology

Prof. LI Li²

- Associate Director of PolyU Academy for Interdisciplinary Research (PAIR)
- Cally Kwong Mei Wan Professor in Chinese Culture and Creative Design

Prof. Hector TSANG¹

- Interim Director of Mental Health Research Centre (MHRC)
- Chair Professor of Department of Rehabilitation Sciences

Prof. WONG Ka-hing

Director of Research Institute for Future Food (RiFood)
Professor, Department of Food Science and Nutrition

Remarks:

1. Prof. Hector Tsang's appointment as Interim Director of MHRC ceased on 14 March 2024, and Prof. Sylvia Chen's appointment took effect on the same date.
2. Prof. Li li's appointment as Associate Director of PAIR ceased on 28 June 2024.
3. Prof. Zhang Weixiong's appointment as Associate Director of PAIR took effect from 1 August 2024.

6.3 Committee Members at PAIR Constituent Research Units

Each of PAIR constituent research units has set up their Management Committees (MCs) and International Advisory Committees (IACs). The MCs of PAIR research units, comprised of PolyU members from various disciplines, ensure the units’ effective implementation and governance in compliance with PAIR and PolyU regulations and standards. The IACs of PAIR research units, consisting of PolyU members and external leading experts around the world, advise on the units’ overall strategic direction. Committees for other functions may be set up by PAIR research units.

*In alphabetical order by names of research units, roles, and surnames of individuals

Research Institute for Advanced Manufacturing (RIAM)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. George HUANG Guoquan	Department of Industrial and Systems Engineering
Members	Ir Prof. Keith CHAN Kang-cheung	Faculty of Engineering; Department of Industrial and Systems Engineering
	Prof. FU Mingwang	Department of Mechanical Engineering

International Advisory Committee		
Role	Name	Institution / Organisation
Chairman	Prof. Andrew NEE Yeh Ching	National University of Singapore
Vice Chairman	Ir Dr YIU Hing-leung	Hong Kong Science and Technology Parks Corporation
Members	Ir Prof. Edwin CHENG Tai-chiu	The Hong Kong Polytechnic University
	Prof. Dr -Ing. Tim HOSENFELDT	Schaeffler AG
	Prof. LI Qing	The Hong Kong Polytechnic University
	Prof. LI Xiangdong	The Hong Kong Polytechnic University
	Prof. SHEN Weiming	Huazhong University of Science and Technology
	Prof. Cliff SUN Kai-lit, BBS, JP	Kinox Enterprises Limited
	Prof. WANG Lihui	KTH Royal Institute of Technology
	Prof. Philip WITHERS	The University of Manchester
	Dr Daniel YIP Chung-yin	G.E.W. International Corporation Limited
	Prof. ZHANG Bi	Southern University of Science and Technology
	Prof. ZHOU Jie	Chongqing University

Research Institute for Artificial Intelligence of Things (RIAIoT)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. CAO Jiannong	Department of Computing
Members	Prof. CHEN Wu	Department of Land Surveying and Geo-Informatics
	Prof. CHENG Li	Department of Mechanical Engineering
	Prof. Kenneth FONG Nai-kuen	Department of Rehabilitation Sciences
	Prof. LI Heng	Department of Building and Real Estate
	Prof. LI Qing	Department of Computing
	Prof. Eric NGAI Wai-ting	Department of Management and Marketing
	Ir Prof. XIA Yong	Department of Civil and Environmental Engineering

International Advisory Committee		
Role	Name	Institution / Organisation
Chairman	Prof. Sherman SHEN Xuemin	University of Waterloo
Members	Prof. Jon CROWCROFT	University of Cambridge
	Prof. Jack DONGARRA	University of Tennessee
	Prof. HAO Hong	Curtin University
	Prof. LI Hui	Harbin Institute of Technology
	Prof. MEI Hong	Peking University
	Prof. Washington Yotto OCHIENG	Imperial College London
	Prof. Rick SO	University of California, Irvine
	Prof. ZHENG Weimin	Tsinghua University

Research Institute for Future Food (RiFood)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. WONG Ka-hing	Department of Food Science and Nutrition
Members	Dr Amber CHIOU Jiachi	Department of Food Science and Nutrition
	Dr HUANG Chien-ling	Department of Health Technology and Informatics
	Dr Kevin KWOK Wing-hin	Department of Food Science and Nutrition
	Prof. WONG Man-kin	Department of Food Science and Nutrition
	Prof. Joanne YIP Yiu-wan	School of Fashion and Textiles

International Advisory Committee		
Role	Name	Institution / Organisation
Chairman	Mr Richard LEUNG Tim-chiu	The Hong Kong Polytechnic University
Members	Prof. Noel CAPLICE	University College Cork
	Prof. Francesco CAPOZZI	University of Bologna
	Prof. Laurie CHAN Hing-man	University of Ottawa
	Prof. Eugene B. CHANG	The University of Chicago
	Prof. HWANG Sun Lucy	National Taiwan University
	Prof. WU Yongning	China National Center for Food Safety Risk Assessment

Steering Committee		
Role	Name	Institution / Organisation
Members	Mr Patrick LAI	Agriculture, Fisheries and Conservation Department, HKSAR Government
	Dr LEUNG Ka-sing	The Hong Kong Polytechnic University
	Mr Ray LOK	Full Nature Farms HK Limited
	Mr Calvin CHAN	CATALO Natural Health Foods Limited
	Dr Allen HO	Lee Kum Kee International Limited
	Ms Charine LAU	Tam Jai International Company Limited
	Mr Anthony NG	WePet International Holdings Limited
	Mr Gary LO	HK Yakult Co. Ltd.
	Ms Sandy TSE	Danone Nutricia Early Life Nutrition (HK) Ltd.
	Prof. WONG Man-sau	The Hong Kong Polytechnic University

Research Institute for Intelligent Wearable Systems (RI-IWEAR)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. TAO Xiaoming	School of Fashion and Textiles
Members	Prof. CAI Jing	Faculty of Health and Social Sciences; Department of Health Technology and Informatics
	Prof. CHAI Yang	Department of Applied Physics
	Prof. LI Heng	Department of Building and Real Estate
	Prof. XU Bingang	School of Fashion and Textiles
	Prof. YAN Feng	Department of Applied Physics
	Prof. ZHENG Zijian	Department of Applied Biology and Chemical Technology

International Advisory Committee		
Role	Name	Institution / Organisation
Chairman	Dr Harry LEE Nai-shee, SBS, JP	TAL Group
Members	Ms Shirley CHAN Suk-ling, BBS, JP	YGM Group
	Dr Meikei LEONG	Simbury Limited
	Mr Lawrence LEUNG Ka-yuen	Sun Hing Knitting Factory Limited
	Mr Raymond WANG Wah-Chi	Solomon Systech
	Dr XU Sa	Dehaa Rossun Research Centre
	Mr Michael XUE Sukui	Lenovo Group Limited
	Ms Teresa YANG Ming-yen	Esquel Group

International Academic Advisory Committee		
Role	Name	Institution / Organisation
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Members	Prof. Jeff HAUSDORFF	Tel Aviv University
	Prof. Iain MCCULLOCH	University of Oxford; Princeton University
	Prof. John A. ROGERS	Northwestern University
	Prof. SHEN Dinggang	ShanghaiTech University
	Prof. WANG Zhonglin	Beijing Institute of Nanoenergy and Nanosystems; Georgia Institute of Technology

Research Institute for Land and Space (RILS)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. DING Xiaoli	Department of Land Surveying and Geo-Informatics
Members	Prof. CHEN Wu	Department of Land Surveying and Geo-Informatics
	Prof. GUO Hai	Department of Civil and Environmental Engineering
	Prof. LI Heng	Department of Building and Real Estate
	Prof. LING Kar-kan, SBS	Jockey Club Design Institute for Social Innovation
	Prof. WENG Qihao	Department of Land Surveying and Geo-Informatics
	Sr Prof. Charles WONG Man-sing	Department of Land Surveying and Geo-Informatics
	Ir Prof. YIN Jianhua	Department of Civil and Environmental Engineering
	Prof. ZHAO Xiao Lin	Department of Civil and Environmental Engineering

International Advisory Committee		
Role	Name	Institution / Organisation
Chairman	Ir LAM Sai-hung, GBS, JP	Transport and Logistics Bureau, HKSAR Government
Members	Prof. CHEN Jun	National Geomatics Center of China
	Prof. CHEN Xiangsheng	Shenzhen University
	Prof. CHU Jian	Nanyang Technological University
	Mr Paul EVANS	Gammon Construction Limited
	Prof. Allen GOLDSTEIN	University of California, Berkeley
	Prof. GONG Jianya	Wuhan University
	Prof. GUO Renzhong	Shenzhen University
	Prof. Joon HEO	Yonsei University
	Mr Ryan IP	Our Hong Kong Foundation Limited
	Dr Charles LAM	Baring Private Equity Asia
	Ir Dr James LAU Chi-wang, BBS, JP	James Lau & Associates Limited; Fong On Construction Limited
	Mr David LEE, BBS, JP	D.H. International Group Holdings Limited
	Prof. Colin LIZIERI	University of Cambridge
	Prof. Chun'an TANG	Dalian University of Technology
	Prof. WANG Chien-Ming	The University of Queensland
	Dr Morgan YANG	Hong Kong Institute of Construction

Photonics Research Institute (PRI)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. LU Chao	Department of Electrical and Electronic Engineering
Members	Prof. JIN Wei	Department of Electrical and Electronic Engineering
	Dr LAI Puxiang	Department of Biomedical Engineering
	Prof. Alan LAU Pak-tao	Department of Electrical and Electronic Engineering
	Prof. Daniel LAU Shu-ping	Department of Applied Physics
	Prof. LI Gang	Department of Electrical and Electronic Engineering
	Prof. TAM Hwa-yaw	Department of Electrical and Electronic Engineering
	Prof. WEI Minchen	Department of Building Environment and Energy Engineering
	Prof. YU Changyuan	Department of Electrical and Electronic Engineering
	Prof. ZHANG Aping	Department of Electrical and Electronic Engineering
	Prof. ZHANG Xuming	Department of Applied Physics

International Advisory Committee		
Role	Name	Institution / Organisation
Members	Prof. Connie CHANG-HASNAIN	The Chinese University of Hong Kong, Shenzhen
	Ir Arthur LEE Kam-hung	Kolinker Group
	Prof. Curtis R. MENYUK	University of Maryland, Baltimore
	Prof. Alan Eli WILLNER	University of Southern California
	Prof. YANG Lan	Washington University, St. Louis

Research Institute for Quantum Technology (RIQT)

International Advisory Committee		
Role	Name	Institution / Organisation
Chairman	Prof. LIU Aiqun	Department of Electrical and Electronic Engineering
Members	Prof. Johan HOORN	Department of Computing
	Prof. MAK Man-wai	Department of Electrical and Electronic Engineering
	Prof. ZHANG Xuming	Department of Applied Physics

Research Institute for Smart Ageing (RISA)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Ir Prof. ZHENG Yongping	Department of Biomedical Engineering
Members	Prof. BAI Xue	Department of Applied Social Sciences
	Prof. CAI Jing	Department of Health Technology and Informatics
	Prof. Louise CUMMINGS	Department of English and Communication
	Dr Elaine KWONG Yee-lan	Department of Chinese and Bilingual Studies
	Prof. Angela LEUNG Yee-man	School of Nursing
	Prof. LING Kar-kan, SBS	Jockey Club Design Institute for Social Innovation
	Prof. David SHUM Ho-keung	Faculty of Health and Social Sciences
	Dr WEN Chunyi	Department of Biomedical Engineering
	Dr Arnold WONG Yu-lok	Department of Rehabilitation Sciences
	Prof. WONG Man-sau	Department of Food Science and Nutrition

International Advisory Committee		
Role	Name	Institution / Organisation
Chairman	Prof. Alex MIHAILIDIS	University of Toronto
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	Prof. Yves JOANETTE	Université de Montréal
	Dr William KEARNS	University of South Florida
	Dr Lawrence LI Kwok-chang	The Hong Kong Polytechnic University
	Prof. Wendy MOYLE	Griffith University
	Prof. TEH Pei-lee	Monash University, Malaysia
	Dr Lanning TIAN	SSIDC Elderly information Institute
	Prof. XING Lei	Stanford University

Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. John SHI Wenzhong	Department of Land Surveying and Geo-Informatics
Members	Prof. CHEN Xiaojun	Department of Applied Mathematics
	Prof. NIU Jianlei	Department of Building Environment and Energy Engineering
	Prof. LI Qing	Department of Computing
	Prof. LU Haitian	School of Accounting and Finance

Management Committee		
Role	Name	Institution / Organisation
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Convenor	Prof. John SHI Wenzhong	The Hong Kong Polytechnic University
Members	Prof. Michael BATTY	University College London
	Prof. GONG Jianya	Wuhan University
	Prof. Christian HEIPKE	Leibniz Universitat Hannover
	Prof. JIN Ying	University of Cambridge
	Dr Victor KHOO	Singapore Land Authority
	Prof. LI Qingquan	Shenzhen University
	Ir Dr Otto POON Lok-to, BBS, OBE	ATAL Engineering Group
	Prof. WANG Shaowen	University of Illinois, Urbana-Champaign
	Prof. ZHOU Chenghu	Institute of Geographic Sciences and Natural Resources Research; Chinese Academy of Sciences

Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. WANG Shengwei	Department of Building Environment and Energy Engineering
Members	Prof. Daniel LAU Shu-ping	Department of Applied Physics
	Prof. LI Gang	Department of Electrical and Electronic Engineering
	Prof. NI Meng	Faculty of Construction and Environment; Department of Building and Real Estate
	Prof. Raymond WONG Wai-yeung	Faculty of Science; Department of Applied Biology and Chemical Technology
	Prof. Linda XIAO Fu	Faculty of Construction and Environment; Department of Building Environment and Energy Engineering
	Prof. XU Zhao	Department of Electrical and Electronic Engineering
	Prof. ZHENG Zijian	Department of Applied Biology and Chemical Technology

International Advisory Committee		
Role	Name	Institution / Organisation
Chairman	Prof. ZHAO Tianshou	Southern University of Science and Technology
Members	Prof. CHEN Jun	Nankai University
	Prof. DONG Zhaoyang	City University of Hong Kong
	Prof. Henrik LUND	Aalborg University
	Prof. WANG Ruzhu	Shanghai Jiao-tong University
	Mr Alex WONG Chun-bong	The Hong Kong Polytechnic University
	Prof. XU Qiang	Southern University of Science and Technology
	Prof. YANG Yang	University of California, Los Angeles

Research Institute for Sports Science and Technology (RISports)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Ir Prof. ZHANG Ming	Department of Biomedical Engineering
Members	Dr Jason CHEUNG Tak-man	RISports
	Prof. FAN Jintu	School of Fashion and Textiles
	Prof. Amy FU Siu-ngor	Department of Rehabilitation Sciences
	Ir Prof. WEN Chih-yung	Department of Aeronautical and Aviation Engineering

Research Institute for Land and Space (RILS)

International Advisory Committee		
Role	Name	Institution / Organisation
Members	Prof. Scott L.DELP	Stanford University
	Mr Vic MENG	Samaranch Foundation
	Dr Tsuyoshi NISHIWAKI	Asics Greater China
	Dr Raymond SO Chi-hung	Hong Kong Sports Institute
	Prof. Savio WOO Lau-yuen	University of Pittsburgh
	Mr Mike YANG	AquaBloom International Sports Technology Group (ABSG)

Research Institute for Sustainable Urban Development (RISUD)

Executive Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. LI Xiangdong	Faculty of Construction and Environment; Department of Civil and Environmental Engineering
Members	Prof. CAO Jiannong	Department of Computing
	Ir Prof. Albert CHAN Ping-chuen	Department of Building and Real Estate
	Prof. DING Xiaoli	Department of Land Surveying and Geo-Informatics
	Prof. Geoffrey SHEN Qiping	Department of Building and Real Estate
	Prof. Asif Sohail USMANI	Department of Building Environment and Energy Engineering
	Prof. WANG Tao	Department of Civil and Environmental Engineering
	Prof. Raymond WONG Wai-yeung	Faculty of Science; Department of Applied Biology and Chemical Technology
	Prof. YU Tao	Department of Civil and Environmental Engineering
	Prof. Jerry YAN Jinyue	Department of Building Environment and Energy Engineering
	Ir Prof. YANG Hongxing	Department of Building Environment and Energy Engineering

International Advisory Committee		
Role	Name	Institution / Organisation
Chairman	Dr Andrew CHAN Ka-ching, BBS, JP	Arup
Convenor	Prof. LI Xiangdong	The Hong Kong Polytechnic University
Members	Prof. AN Zhisheng	Institute of Earth Environment, Chinese Academy of Sciences
	Prof. Guy BRASSEUR	Max Planck Institute for Meteorology
	Prof. Michelle BELL	Yale University
	Mr Albert CHEUNG Hau-wai	Hong Kong Green Building Council

International Advisory Committee		
Role	Name	Institution / Organisation
Members	Prof. Dan M. FRANGOPOL	Lehigh University
	Prof. JIANG Guibin	State Key Laboratory of Environmental Chemistry and Ecotoxicology, Chinese Academy of Sciences
	Ms Julia LAU	Traces Limited
	Ir Ricky LAU	Development Bureau, HKSAR Government
	Ir Edmund LEUNG, SBS, OBE, JP	Hong Kong Institution of Engineers
	Prof. Mark van LOOSDRECHT	Delft University of Technology
	Ir Dr Otto POON Lok-to, BBS, OBE	ATAL Engineering Group
	Mr Derek SO	Vibro (H.K.) Limited
	Prof. TAO Shu	Peking University
	Ir WAI Chi-sing	Urban Renewal Authority, HKSAR Government
	Prof. WU Shuoxian	South China University of Technology

Research Centre for Chinese Medicine Innovation (RCMI)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. WONG Man-sau	Department of Food Science and Nutrition
Members	Prof. Simon LEE Ming-yuen	Department of Food Science and Nutrition
	Dr Daniel MOK Kam-wah	Department of Food Science and Nutrition
	Prof. Shamay NG Sheung-mei	Department of Rehabilitation Sciences
	Dr Jerry YEUNG Wing-fai	School of Nursing

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Role	Name	Institution / Organisation
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	Prof. LI Chunguang	Western Sydney University
	Dr Peter WAYNE	Harvard Medical School
	Prof. YAO Xinsheng	Jinan University
	Prof. Albert S. YEUNG	Harvard Medical School

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Role	Name	Institution / Organisation
Members	Mr Abraham CHAN	PuraPharm Corporation Limited
	Dr Ronny CHUI Kuk-ying	Department of Health, HKSAR Government
	Dr SO Tsz-him	HEAL Oncology
	Prof. George WOO	The Hong Kong Polytechnic University
	Mr Harry YEUNG Kwok-chun	LKK Health Products Group
	Dr Eric ZIEA Tat-Chi	Hong Kong Hospital Authority

Research Centre for Deep Space Explorations (RCDSE)

Steering Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. YUNG Kai-leung	Department of Industrial and Systems Engineering
Members	Dr CHUA Song-lin	Department of Applied Biology and Chemical Technology
	Dr Roy LAW Wing-cheung	Department of Industrial and Systems Engineering
	Dr Andy LEUNG Yat-fai	Department of Civil and Environmental Engineering
	Prof. WU Bo	Department of Land Surveying and Geo-Informatics
	Dr XU Zhenglong	Department of Industrial and Systems Engineering
	Dr YANG Xusheng	Department of Industrial and Systems Engineering
	Prof. YU Tao	Department of Civil and Environmental Engineering
	Dr ZHAO Qi	Department of Civil and Environmental Engineering

International Advisory Committee		
Role	Name	Institution / Organisation
Members	Prof. Stanislav BARABASH	Swedish Institute of Space Physics
	Prof. Peter WURZ	University of Bern
	Prof. Lev Matveevich ZELENYI	Space Research Institute, Russian Academy of Sciences
	Dr Alexander Valentinovich ZAKHAROV	Space Research Institute, Russian Academy of Sciences
	Prof. Jürgen OBERST	German Aerospace Center; Technical University of Berlin
	Prof. Jan-Peter MULLER	University College London

Research Centre of Textiles for Future Fashion (RCTFF)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. FAN Jintu	School of Fashion and Textiles
Members	Dr LIU Xihui, Sylvia	School of Design
	Dr MOK Pik Yin, Tracy	School of Fashion and Textiles
	Prof. WANG Yulan, Amanda	Department of Logistics and Maritime Studies
	Ir Prof. Albert CHAN Ping-chuen	Department of Building and Real Estate
	Prof. FU Mingwang	Department of Mechanical Engineering
	Prof. SUN Defeng	Department of Applied Mathematics
	Dr YANG Lin	School of Nursing

Management Committee		
Role	Name	Institution / Organisation
Chairman	Dr Harry LEE, SBS, JP	TAL Apparel
Members	Ms Shirley CHAN, BBS, JP	YGM Trading Limited
	Prof. Emmanuel P. GIANNELIS	Cornell University
	Prof. David HINKS	NC State University
	Mr Andrew LO	Crystal International Group Limited
	Mr MA Jian-rong	Shenzhou International Group Holdings Limited
	Mr Socrates NG	Hong Kong Nonwovens Association
	Prof. Gregory C. RUTLEDGE	Massachusetts Institute of Technology
	Prof. YU Jianyong	Donghua University

Mental Health Research Centre (MHRC)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. Sylvia CHEN Xiaohua	Department of Applied Social Sciences
Members	Dr Bolton CHAU	Department of Rehabilitation Sciences
	Prof. CHEN Juan	Department of Applied Social Sciences
	Dr Grace HO Wing-ka	School of Nursing
	Dr Jessie LIN Jingxia	Department of Rehabilitation Sciences
	Prof. Hector TSANG Wing-hong	Department of Rehabilitation Sciences
	Prof. Benjamin YEE Kay-yan	Department of Rehabilitation Sciences

International Advisory Committee		
Role	Name	Institution / Organisation
Members	Prof. Mark P. JENSEN	University of Washington
	Prof. Eric J. LENZE	Washington University School of Medicine in St. Louis
	Prof. Alisoun J. MILNE	University of Kent
	Prof. Uwe RUDOLPH	University of Illinois Urbana-Champaign
	Prof. Paul YIP Siu-fai	The University of Hong Kong

Research Centre for Resources Engineering towards Carbon Neutrality (RCRE)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. POON Chi-sun	Department of Civil and Environmental Engineering
Members	Prof. Benny CHEUNG Chi-fai	Department of Industrial and Systems Engineering
	Prof. HU Hong	School of Fashion and Textiles
	Prof. LENG Zhen	Department of Civil and Environmental Engineering
	Dr Ben LEU Shao-yuan	Department of Civil and Environmental Engineering
	Dr WU Qiaobing	Department of Applied Social Sciences

International Advisory Committee		
Role	Name	Institution / Organisation
Chairman	Prof. Christopher CHEESEMAM	Imperial College London
Members	Prof. Nanthi BOLAN	The University of Western Australia
	Prof. HE Pingjing	Tongji University
	Prof. HUANG Baoshan	University of Tennessee, Knoxville
	Dr Juhyuk MOON	Seoul National University
	Prof. Alex NICHOLLS	University of Oxford
	Prof. Julia STEGEMANN	University College London
	Prof. WANG Dongmin	China University of Mining and Technology

Research Centre for SHARP Vision (RCSV)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. HE Mingguang	School of Optometry
Members	Prof. CHEN Xiaojun	Department of Applied Mathematics
	Prof. Benny CHEUNG Chi-fai	Department of Industrial and Systems Engineering
	Prof. KEE Chea-su	School of Optometry

Management Committee		
Role	Name	PolyU Faculty / School / Department
Members	Dr Thomas LAM Chuen	School of Optometry
	Prof. WONG Man-kin	Department of Food Science and Nutrition
	Prof. YIP Shea-ping	Department of Health Technology and Informatics

International Advisory Committee		
Role	Name	Institution / Organisation
Chairman	Prof. Stan WOO	University of Waterloo
Members	Prof. Allison MCKENDRICK	The University of Western Australia
	Prof. John WILD	Cardiff University
	Prof. James WOLFFSOHN	Aston University

Research Centre for Digital Transformation of Tourism (RCDTT)

Management Committee		
Role	Name	PolyU Faculty / School / Department
Chairman	Prof. SONG Haiyan	School of Hotel and Tourism Management
Members	Prof. Kaye CHON	School of Hotel and Tourism Management
	Prof. George Q. HUANG	Department of Industrial and Systems Engineering
	Prof. Mimi LI	School of Hotel and Tourism Management
	Prof. LI Qing	Department of Computing
	Prof. WANG Dan	Department of Computing
	Dr WANG Dan	School of Hotel and Tourism Management
	Prof. Hans WANG	Department of Logistics and Maritime Studies
	Prof. XIAO Fu	Department of Building Environment and Energy Engineering

Management Committee		
Role	Name	Institution / Organisation
Chairman	Mr Steve HOOD	STR
Members	Prof. Dimitrios BUHALIS	Bournemouth University
	Prof. Gang LI	University of Sidney
	Dr Bing PAN	Penn State University
	Prof. Sangwon PARK	Kyung Hee University, Korea
	Dr Jason SONG	Zhejiang Drore Technology
	Prof. Bela STANTIC	Griffith University
	Dr XIANG Zheng	Virginia Tech
	Prof. XIAO Fu	Department of Building Environment and Energy Engineering

6.4 Researchers at PAIR Constituent Research Units

Each PAIR constituent research unit is primarily composed of PolyU internal members from various faculties, schools and departments, as well as with some external members who are individuals or organisations outside PolyU.

*In alphabetical order by names of research units, as well as roles and surnames of members

Research Institute for Advanced Manufacturing (RIAM)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Chair Professor	Prof. George HUANG Guoquan	ISE
Founding Director	Chair Professor	Ir Prof. MAN Hau-chung	FENG
Associate Director	Chair Professor	Ir Prof. CHAN Kang-cheung	ISE
	Chair Professor	Prof. FU Mingwang	ME
Member	Associate Professor	Dr AN Liang	ME
	Research Assistant Professor	Dr CHAN Kit-ying	AAE
	Research Professor	Prof. CHAN Luen-chow	ISE
	Senior Teaching Fellow	Dr CHEN Penchung	RIAM
	Assistant Professor	Dr CHEN Zibin	ISE
	Chair Professor	Prof. Benny CHEUNG Chi-fai	ISE
	Professor	Prof. FU Xiaowen	ISE
	Research Assistant Professor	Dr HUANG Chao	ISE
	Professor	Prof. HUANG Haitao	AP
	Assistant Professor	Dr JIANG Liming	BEEE
	Associate Professor	Dr JIAO Zengbao	ME
	Chair Professor	Prof. Daniel LAU Shu-ping	AP
	Associate Professor	Dr Carman LEE Ka-man	ISE
	Associate Professor	Dr Randolph LEUNG Chi-kin	ME
	Assistant Professor	Dr LI Fan	AAE
	Research Assistant Professor	Dr LI Ming	ISE
	Research Assistant Professor	Dr PENG Zhe	ISE
	Associate Professor	Dr REN Jingzheng	ISE
	Assistant Professor	Dr SHEN Xi	AAE

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Professor	Prof. TANG Chak-yin	ISE
	Research Fellow	Dr TENG Long	ISE
	Professor	Prof. TSANG Yuen-hong	AP
	Lecturer	Dr TSANG Yungpo	ISE
	Chair Professor	Prof. Asif Sohail USMANI	BEEE
	Assistant Professor	Dr WANG Chunjin	ISE
	Associate Professor	Dr WEN Chunyi	BME
	Assistant Professor	Dr WEN Weisong	AAE
	Assistant Professor	Dr Sitman WEN Xiewen	ISE
	Assistant Professor	Dr WENG Yiwei	BRE
	Assistant Professor	Dr XU Zhenglong	ISE
	Assistant Professor	Dr YANG Guang	EEE
	Assistant Professor	Dr YANG Lidong	ISE
	Associate Professor	Dr YANG Xusheng	ISE
	Chair Professor	Ir Prof. YUNG Kai-leung	ISE
	Associate Professor	Dr ZHANG Biao	AP
	Chair Professor	Prof. ZHANG Dan	ME
	Assistant Professor	Dr ZHANG Xiao	ME
	Professor	Prof. ZHANG Xuming	AP
	Associate Professor	Dr ZHAO Jiong	AP
	Research Assistant Professor	Dr ZHAO Zhiheng	ISE
	Professor	Dr ZHENG Guangping	ME
	Associate Professor	Ir Dr ZHENG Pai	ISE

Research Institute for Artificial Intelligence of Things (RIAIoT)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Chair Professor	Prof. CAO Jiannong	COMP
Associate Director	Professor	Prof. CHEN Wu	LSGI
	Chair Professor	Ir Prof. LI Heng	BRE
	Chair Professor	Prof. Eric NGAI Wai-ting	MM
Member	Research Assistant Professor	Dr Shahnawaz ANWER	BRE

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Professor	Prof. CHAI Yang	AP
	Professor	Prof. Edward CHUNG Chin-shin	EEE
	Associate Professor	Dr Ivan HO Wang-hei	EEE
	Associate Professor	Dr HSU Li-ta	AAE
	Professor	Prof. HU Haibo	EEE
	Research Assistant Professor	Dr HUANG Chao	ISE
	Assistant Professor	Dr HUANG Hailong	AAE
	Research Assistant Professor	Dr JIANG Shan	COMP
	Chair Professor	Prof. JIN Wei	EEE
	Assistant Professor	Dr Jimmy JIN Yong	AF
	Professor	Prof. KEE Chea-su	SO
	Professor	Prof. Francis LAU Chung-ming	EEE
	Research Assistant Professor	Dr LEI Chun-fong	AMA
	Assistant Professor	Dr LIN Wanyu	COMP
	Assistant Professor	Dr LIU Liang	EEE
	Associate Professor	Dr LIU Yan	COMP
	Professor	Prof. Daniel LUO Xiapu	COMP
	Professor	Prof. Derek OR Siu-wing	EEE
	Chair Professor	Prof. SUN Defeng	AMA
	Professor	Prof. WANG Dan	COMP
	Research Assistant Professor	Dr WANG Fei	CEE
	Professor	Prof. Stephen WANG Jia	SD
	Professor	Prof. Hans WANG Shuaian	LMS
	Assistant Professor	Dr WANG Shujun	BME
	Research Assistant Professor	Dr WANG Xiaoyou	CEE
	Chair Professor	Prof. WEN Chihyung	AAE
	Research Assistant Professor	Dr WENG Duojie	LSGI
	Assistant Professor	Dr WU Jibin	COMP
	Research Assistant Professor	Dr XU Wenchao	COMP
	Professor	Prof. XU Xin	MM
	Assistant Professor	Dr YANG Bo	COMP
	Associate Professor	Dr Ray YANG Lei	COMP
	Research Assistant Professor	Dr YANG Yu	COMP

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Professor	Ir Prof. Tarek ZAYED	BRE
	Chair Professor	Prof. ZHANG Dan	ME
	Assistant Professor	Dr ZHANG Shuowen	EEE
	Associate Professor	Dr ZHENG Yuanqing	COMP
	Chair Professor	Prof. ZHENG Zijian	ABCT
	Research Assistant Professor	Dr ZHOU Xinyu	EEE
	Professor	Prof. ZHU Songye	CEE

Research Institute for Future Food (RiFood)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Professor	Prof. WONG Ka-hing	FSN
Honorary Director	Chair Professor	Prof. WONG Wing-tak	DP/ABCT
Associate Director	Associate Professor	Dr Amber CHIOU Jiachi	FSN
	Associate Professor	Dr Kevin KWOK Wing-hin	FSN
Member	Research Assistant Professor	Dr David CAI Yin	HTI
	Chair Professor	Prof. CAO Jiannong	COMP
	Research Assistant Professor	Dr Gail CHANG Jinhui	FSN
	Chair Professor	Prof. CHEN Sheng	FSN
	Assistant Professor	Dr Fiona CHEN Xiangyan	HTI
	Associate Professor	Dr Kenneth CHENG King-yip	HTI
	Research Assistant Professor	Dr Nano CHENG Wai-yin	FSN
	Associate Professor	Dr Catherine CHEUNG Yuk-yim	SHTM
	Assistant Professor	Dr Clifford CHOY Sze-tsan	SD
	Assistant Professor	Dr CHUA Songlin	ABCT
	Associate Professor	Dr DO Chi-wai	SO
	Research Assistant Professor	Dr DONG Xiaoli	FSN
	Associate Professor	Dr James FANG Kar-hei	FSN
	Assistant Professor	Dr GAN Renyou	FSN
	Associate Professor	Dr HE Daihai	AMA
	Associate Professor	Dr HUANG Bolong	ABCT
	Assistant Professor	Dr Connie HUI Lai-ling	FSN

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Assistant Professor	Dr Nathanael JIN Ling	CEE & HTI
	Assistant Professor	Dr Jimmy JIN Yong	AF
	Assistant Professor	Dr Ben KO Chi-bun	ABCT
	Research Assistant Professor	Dr KONG Hang-kin	FSN
	Research Assistant Professor	Dr Nathanael LAI Chun-him	FSN
	Chair Professor	Prof. Mike LAI Kee-hung	LMS
	Professor	Prof. Carly LAM Siu-yin	SO
	Professor	Prof. Terence LEE Kin-wah	ABCT
	Chair Professor	Prof. Simon LEE Ming-yuen	FSN
	Associate Professor	Dr LEE Yoon Suk	ABCT
	Associate Professor	Dr Brian LEE Yu-hin	SD
	Associate Professor	Dr Ben LEU Shao-yuan	CEE
	Professor	Dr Polly LEUNG Hang-mei	HTI
	Assistant Professor	Dr Franco LEUNG King-chi	ABCT
	Research Assistant Professor	Dr Jeffery LEUNG Tsz-wing	SO
	Assistant Professor	Dr LI Tian	HTI
	Assistant Professor	Dr LIN Liang-ting	HTI
	Honorary Professor	Prof. Samuel LO Chun-lap	ABCT
	Assistant Professor	Dr Kenneth LO Ka-hei	FSN
	Teaching Fellow	Dr Paul LO	SD
	Assistant Professor	Dr Benedict LO Tsz-woon	ABCT
	Associate Professor	Dr Daniel MOK Kam-wah	FSN
	Chair Professor	Prof. Michael SIU Kin-wai	SD
	Assistant Professor	Dr William TAI Chi-shing	ABCT
	Associate Professor	Dr WEN Chunyi	BME
	Research Assistant Professor	Dr Markus WERNLI	SD
	Research Assistant Professor	Dr Peggy WOH Pei-yee	FSN
	Professor	Prof. Christina WONG	SFT
	Chair Professor	Prof. Gary WONG Ka-leung	ABCT
	Professor	Prof. WONG Man-sau	FSN
	Research Professor	Prof. WU Jian-yong	FSN
	Postdoctoral Fellow	Dr YANG Rousong	COMP
	Professor	Prof. YAO Zhongping	ABCT

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Associate Professor	Dr Sonata YAU Suk-yu	RS
	Assistant Professor	Dr Clare YU Chung-wah	RS
	Associate Professor	Dr ZHAN Xueyong	MM
	Assistant Professor	Dr ZHANG Shipeng	CEE
	Assistant Professor	Dr Daisy ZHAO Danyue	FSN
	Assistant Professor	Dr ZHAO Qian	ABCT
	Chair Professor	Prof. ZHAO Xiaolin	CEE
	Associate Professor	Dr ZHAO Xin	ABCT
	Assistant Professor	Dr ZHU Yuyan	FSN
Research Personnel	Research Fellow	Dr JIANG Lilong	RiFood
	Postdoctoral Fellow	Dr LIU Zhiwen	RiFood
Former Member	Assistant Professor	Dr SETO Sai-wang	FSN

Research Institute for Intelligent Wearable Systems (RI-IWEAR)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Chair Professor	Prof. TAO Xiaoming	SFT
Associate Director	Chair Professor	Prof. YAN Feng	AP
	Chair Professor	Prof. ZHENG Zijian	ABCT
Member	Chair Professor	Prof. CAO Jiannong	COMP
	Emeritus Professor	Prof. Philip CHAN Ching-ho	EEE
	Research Assistant Professor	Dr CHEN Jianming	SFT
	Chair Professor	Prof. CHENG Li	ME
	Chair Professor	Prof. FAN Jintu	SFT
	Research Assistant Professor	Dr FANG Bo	SFT
	Professor	Prof. FEI Bin	SFT
	Research Assistant Professor	Dr FU Jimin	SFT
	Professor	Prof. Amy FU Siu-ngor	RS
	Professor	Prof. HU Hong	SFT
	Associate Professor	Dr HUANG Bolong	ABCT
	Assistant Professor	Dr HUANG Qiyao	SFT

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Research Assistant Professor	Dr JI Ying	SFT
	Professor	Prof. Kinor JIANG Shou-xiang	SFT
	Associate Professor	Dr Shara LEE Wee-yee	HTI
	Professor	Dr Polly LEUNG Hang-mei	HTI
	Professor	Prof. Angela LEUNG Yee-man	SN
	Chair Professor	Prof. LI Gang	EEE
	Assistant Professor	Dr LI Tian	HTI
	Assistant Professor	Dr LIU Rong	SFT
	Associate Professor	Dr LIU Xintao	LSGI
	Assistant Professor	Dr MA Yuan	ME
	Associate Professor	Dr MOK Pik-yin	SFT
	Research Assistant Professor	Dr PU Junhong	SFT
	Research Assistant Professor	Dr Gary REN Ge	HTI
	Associate Professor	Dr SHOU Dahua	SFT
	Chair Professor	Prof. David SHUM Ho-keung	FHSS
	Chair Professor	Prof. SUN Defeng	AMA
	Professor	Prof. Stephen WANG Jia	SD
	Chair Professor	Prof. WANG Zuankai	ME
	Chair Professor	Prof. Raymond WONG Wai-yeung	ABCT
	Associate Professor	Dr Arnold WONG Yu-lok	RS
	Chair Professor	Prof. John XIN Haozhong	SFT
	Professor	Prof. Jane YOU Jia	ISE
	Professor	Prof. YU Changyuan	EEE
	Assistant Professor	Dr YU Xiang	ME
	Chair Professor	Prof. ZHANG Dan	ME
	Research Assistant Professor	Dr ZHANG Hui	RS
	Research Assistant Professor	Dr ZHANG Lisha	SFT
	Associate Professor	Dr ZHAO Xin	ABCT
	Chair Professor	Ir Prof. ZHENG Yongping	BME

Research Institute for Land and Space (RILS)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Chair Professor	Prof. DING Xiaolix	LSGI
Associate Director	Professor	Prof. LING Kar-kan, SBS	DISI
	Chair Professor	Prof. WENG Qihao	LSGI
	Chair Professor	Prof. ZHAO Xiao Lin	CEE
Member	Associate Professor	Dr BI Kaiming	CEE
	Adjunct Professor	Prof. Edwin CHAN Hon-wan	BRE
	Chair Professor	Ir Prof. Albert CHAN Ping-chuen	BRE
	Professor	Prof. CHEN Jianli	LSGI
	Professor	Prof. Anthony CHEN	CEE
	Associate Professor	Dr DONG You	CEE
	Professor	Prof. DUAN Huanfeng	CEE
	Associate Professor	Dr Daniel ELKIN	SD
	Associate Professor	Dr James FANG Kar-hei	FSN
	Associate Professor	Dr HSU Li-ta	AAE
	Associate Professor	Dr Kevin KWOK Wing-hin	FSN
	Professor	Ir Prof. Wallace LAI Wai-lok	LSGI
	Professor	Prof. LENG Zhen	CEE
	Associate Professor	Dr Andy LEUNG Yat-fai	CEE
	Research Assistant Professor	Dr LI Yinglei	CEE
	Assistant Professor	Dr LIU Siwei	CEE
	Associate Professor	Dr LIU Xintao	LSGI
	Professor	Prof. George LIU Zhizhao	LSGI
	Chair Professor	Ir Prof. POON Chi-sun	CEE
	Assistant Professor	Dr Jeff SHEN Jianfu	BRE
	Chair Professor	Prof. Geoffrey SHEN Qiping	BRE
	Assistant Professor	Dr SHI Guoqiang	LSGI
	Associate Professor	Dr Alessandro STOCCHINO	CEE
	Associate Professor	Dr SUN Yi	BRE
	Assistant Professor	Dr WANG Jinghua	CEE
	Assistant Professor	Dr WANG Shuo	LSGI
	Chair Professor	Prof. WANG Tao	CEE

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Professor	Prof. WANG Yuhong	CEE
	Assistant Professor	Dr WEN Weisong	AAE
	Research Assistant Professor	Dr Elvis WU Pei-chen	CEE
	Associate Professor	Dr WU Qiaobing	APSS
	Research Assistant Professor	Dr WU Songbo	LSGI
	Professor	Prof. YIN Zhen-yu	CEE
	Chair Professor	Ir Prof. Ben YOUNG	CEE
	Professor	Prof. YU Tao	CEE
	Associate Professor	Prof. Esther YUNG Hiu-kwan	BRE
	Associate Professor	Dr ZHOU Chao	CEE
	Professor	Prof. ZHU Songye	CEE
	Associate Professor	Dr ZHU Xiaolin	LSGI
Research Personnel	Research Assistant Professor	Dr Yazan ALREFAEI	CEE
	Adjunct Professor	Sr Ben CHAN Siu-bun	RILS
	Project Fellow	Dr Orianna GUO Jian	BRE
	Research Assistant Professor	Dr Alireza KERAMAT	CEE
	Research Assistant Professor	Dr Majid NAZEER	LSGI
	Research Assistant Professor	Dr WANG Cunteng	CEE
	Research Assistant Professor	Dr WANG Yu	CEE
	Research Assistant Professor	Dr WU Huan	EEE
	Research Assistant Professor	Dr YANG Yang	LSGI
	Research Assistant Professor	Dr ZHANG Ning	CEE

Photonics Research Institute (PRI)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Chair Professor	Prof. LU Chao	EEE
Associate Director	Chair Professor	Prof. JIN Wei	EEE
	Chair Professor	Prof. Daniel LAU Shu-ping	AP
	Chair Professor	Prof. TAM Hwa-yaw	EEE
Member	Professor	Prof. CHAI Yang	AP
	Associate Professor	Dr CHEN Wen	EEE

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Chair Professor	Prof. CHUNG Chi-yung	EEE
	Professor	Prof. FEI Bin	SFT
	Chair Professor	Prof. HAO Jianhua	AP
	Assistant Professor	Dr HUANG Dongmei	EEE
	Professor	Prof. HUANG Haitao	AP
	Professor	Prof. KAN Chi-wai	SFT
	Associate Professor	Dr Dennis LEUNG Chi-wah	AP
	Assistant Professor	Dr LI Mingjie	AP
	Assistant Professor	Dr LIN Wei	EEE
	Chair Professor	Prof. LOH Kian-ping	AP
	Professor	Prof. Harry QIN Jing	SN
	Research Assistant Professor	Dr REN Zhiwei	EEE
	Associate Professor	Dr RUAN Haihui	ME
	Professor	Prof. Jeanne TAN	SFT
	Professor	Prof. TSANG Yuen-hong	AP
	Chair Professor	Prof. Tom WU Tao	AP
	Chair Professor	Prof. YAN Feng	AP
	Assistant Professor	Dr YANG Guang	EEE
	Professor	Prof. YANG Mo	BME
	Professor	Prof. Joanne YIP Yiu-wan	SFT
	Professor	Prof. YU Siu-fung	AP
	Chair Professor	Prof. ZHENG Zijian	ABCT
	Assistant Professor	Dr ZHONG Kangping	EEE
	Research Assistant Professor	Dr ZHOU Xinyu	EEE
Research Personnel	Research Assistant Professor	Dr BAO Haihong	EEE
	Postgraduate Student	Mr CHENG Zhi	EEE
	Postgraduate Student	Mr GUO Jianmiao	AP
	Postgraduate Student	Mr HE Changhao	EEE
	Postgraduate Student	Ms HE Yan	EEE
	Research Assistant Professor	Dr WU Huan	EEE
	Postgraduate Student	Ms Xie Huimin	EEE
	Research Assistant Professor	Dr ZHANG Yangxi	EEE

Research Institute for Smart Ageing (RISA)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Chair Professor	Ir Prof. ZHENG Yongping	BME
Associate Director	Assistant Professor	Dr Elaine KWONG Yee-lan	CBS
	Professor	Prof. Angela LEUNG Ye-man	SN
	Associate Professor	Dr Arnold WONG Yu-lok	RS
Member	Chair Professor	Prof. CAO Jiannong	COMP
	Professor	Prof. CHAU Lap-pui	EEE
	Research Assistant Professor	Dr Pearl CHEN Luhua	RS
	Assistant Professor	Dr Sarah CHEN Si	CBS
	Assistant Professor	Dr Fiona CHEN Xiangyan	HTI
	Research Assistant Professor	Dr James CHEUNG Chung-wai	BME
	Assistant Professor	Dr Daphne CHEUNG Sze-ki	SN
	Associate Professor	Dr DO Chi-wai	SO
	Research Assistant Professor	Dr DONG Naiping	FSN
	Research Assistant Professor	Dr Manson FONG Cheuk-man	CBS
	Professor	Prof. Kenneth FONG Nai-kuen	RS
	Associate Professor	Dr Christian GREIFFENHAGEN	APSS
	Doctor	Dr Philip HO	RS
	Assistant Professor	Dr HSU Chunliang	RS
	Associate Professor	Dr HU Xiaoling	BME
	Assistant Professor	Dr Crystal KWAN	APSS
	Research Assistant Professor	Dr Edmond LAM Sai-kit	BME
	Senior Teaching Fellow	Dr LAU Hin-chung	BME
	Research Assistant Professor	Dr Janet LEE Lok-chun	RS
	Chair Professor	Prof. Simon LEE Ming-yuen	FSN
	Research Assistant Professor	Dr Timothy LEE Tin-yan	BME
	Associate Professor	Dr Annie LEONG	RS
	Associate Professor	Ir Dr Frank LEUNG Hung-fat	EEE
	Associate Professor	Dr LEUNG Man-tak	CBS
	Associate Professor	Dr LIU Xintao	LSGI
	Associate Professor	Dr Justina LIU Yat-wa	SN
	Assistant Professor	Dr Kenneth LO Ka-hei	FSN

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Project Manager	Dr Calvin LUK	DISI
	Professor	Prof. Yan Tina LUXIMON	SD
	Assistant Professor	Dr Christina MA Zong-hao	BME
	Associate Professor	Dr Daniel MOK Kam-wah	FSN
	Research Assistant Professor	Dr Mohammad MOMENIAN	CBS
	Associate Professor	Dr Jed MONTAYRE	SN
	Assistant Professor	Dr David NAVARRO-ALARCON	ME
	Research Assistant Professor	Dr SU Jingjing	SN
	Professor	Prof. SUN Lei	BME
	Associate Professor	Dr SUN Yi	BRE
	Project Manager	Ir Dr Eric TAM Wing-cheung	BME
	Associate Professor	Dr TAN Youhua	BME
	Assistant Professor	Dr Tanya TAN Zheng	BRE
	Chair Professor	Prof. TAO Xiaoming	SFT
	Research Associate Professor	Dr Bruce WANG Xiao	ENGL
	Assistant Professor	Dr WANG Shanshan	SN
	Chair Professor	Prof. William WANG Shi-yuan	CBS
	Assistant Professor	Dr WANG Shujun	BME
	Professor	Prof. Bernadette WATSON	ENGL
	Assistant Professor	Dr WONG Min-ney	CBS
	Research Associate Professor	Dr Winsy WONG	CBS
	Research Assistant Professor	Dr Aria YANG	SD
	Associate Professor	Dr Sonata YAU Suk-yu	RS
	Associate Professor	Dr Jerry YEUNG Wing-fai	SN
	Professor	Prof. Jane YOU Jia	ISE
	Research Assistant Professor	Dr ZHANG Hui	RS
	Research Assistant Professor	Dr Ivy ZHAO Yan	SN

Otto Poon Charitable Foundation Smart Cities Research Institute (SCRI)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Chair Professor	Prof. John SHI Wenzhong	LSGI
Associate Director	Chair Professor	Ir Prof. NIU Jianlei	BEEE
Member	Associate Professor	Dr BAI Xue	APSS
	Chair Professor	Prof. CAO Jiannong	COMP
	Adjunct Professor	Prof. Edwin CHAN Hon-wan	BRE
	Professor	Prof. CHEN Wu	LSGI
	Professor	Prof. Anthony CHEN	CEE
	Professor	Prof. CHEN Jianli	LSGI
	Chair Professor	Prof. CHEN Shengwei	COMP
	Professor	Prof. Edward CHUNG Chin-shin	EEE
	Chair Professor	Prof. DING Xiaoli	LSGI
	Assistant Professor	Dr DU Liangfen	BEEE
	Associate Professor	Dr FAN Hongqin	BRE
	Associate Professor	Dr HE Daihai	AMA
	Associate Professor	Dr Ivan HO Wang-hei	EEE
	Associate Professor	Dr HSU Li-ta	AAE
	Assistant Professor	Dr JIANG Yiping	AAE
	Emeritus Professor	Ir Prof. William LAM Hing-keung	CEE
	Chair Professor	Prof. LI Ping	FH
	Professor	Prof. LING Kar-kan, SBS	DISI
	Associate Professor	Dr LIU Xintao	LSGI
	Associate Professor	Dr LOU Yijun	AMA
	Professor	Prof. Daniel LUO Xiapu	COMP
	Assistant Professor	Dr MA Wei	CEE
	Professor	Ir Prof. MAK Cheuk-ming	BEEE
	Professor	Ir Prof. Horace MUI Kwok-wai	BEEE
	Chair Professor	Prof. Geoffrey SHEN Qiping	BRE
	Assistant Professor	Dr SHI Jieming	COMP
	Professor	Prof. Gilman SIU Kit-hang	HTI
	Associate Professor	Dr Tony SZE Nang-ngai	CEE
	Professor	Prof. Wilson TONG Hin-sang	AF

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Assistant Professor	Dr WANG Bing	AAE
	Associate Professor	Dr WANG Qixin	COMP
	Assistant Professor	Dr WANG Shuo	LSGI
	Professor	Prof. Tommy WEI Minchen	BEEE
	Senior Teaching Fellow	Dr Steven WEI Xiangdong	AF
	Chair Professor	Prof. WEN Chih-yung	AAE
	Chair Professor	Prof. WENG Qihao	LSGI
	Professor	Sr Prof. Charles WONG Man-sing	LSGI
	Associate Professor	Sr Dr Ivy WONG Siu-wai	BRE
	Professor	Prof. WU Bo	LSGI
	Professor	Prof. XIAO Bin	COMP
	Assistant Professor	Dr XU Min	ISE
	Assistant Professor	Dr XU Yang	LSGI
	Assistant Professor	Dr YANG Bo	COMP
	Research Assistant Professor	Dr YE Hongbo	EEE
	Associate Professor	Dr YIU Man-lung	COMP
	Assistant Professor	Dr YOU Ruoyu	BEEE
	Assistant Professor	Dr ZHANG Zaikun	AMA
	Associate Professor	Dr ZHU Xiaolin	LSGI
	Assistant Professor	Dr Tony ZHUGE Cheng-xiang	LSGI
Research Personnel	PhD student	Mr GU Yu	CEE
	Research Assistant Professor	Dr HAN Sirui	AF
	Research Assistant Professor	Dr Ameer Hamz KHAN	LSGI
	PhD student	Ms SHI Fan	LSGI
	Research Assistant Professor	Dr SUN Yangjie	LSGI
	PhD student	Ms TANG Pei	EEE
	PhD student	Ms TANG Xiaoyue	LSGI
	Research Assistant	Ms WANG Han	BRE
	Research Assistant Professor	Dr XIE Yongxin	BEEE
	PhD student	Mr YANG Daping	LSGI
	Research Assistant Professor	Dr YU Yichen	BEEE
	Research Assistant Professor	Dr YU Yue	LSGI

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Research Personnel	Research Assistant Professor	Dr ZHANG Anshu	LSGI
	Research Assistant Professor	Dr ZHANG Min	LSGI
Former Member	Assistant Professor	Dr YAO Wei	LSGI

External Members			
Role	Position Level	Name	Name of Institution
Non-PolyU Member	Professor	Prof. GUO Song	Hong Kong University of Science and Technology

Otto Poon Charitable Foundation Research Institute for Smart Energy (RISE)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Chair Professor	Ir Prof. WANG Shengwei	BEEE
Associate Director	Chair Professor	Prof. LI Gang	EEE
	Chair Professor	Prof. Raymond WONG Wai-yeung	ABCT
	Professor	Prof. Linda XIAO Fu	BEEE
Membe	Associate Professor	Dr AN Liang	ME
	Adjunct Professor	Dr Steven Tyler BOLES	EEE
	Associate Professor	Dr BU Siqi	EEE
	Chair Professor	Prof. CAO Jiannong	COMP
	Associate Professor	Dr CAO Sunliang	BEEE
	Professor	Prof. CHAI Yang	AP
	Research Assistant Professor	Dr CHEN Menglin	EEE
	Assistant Professor	Dr CHENG Song	ME
	Professor	Prof. DAI Jiyan	AP
	Associate Professor	Dr DONG You	CEE
	Professor	Prof. Patrick DU Yaping	BEEE
	Chair Professor	Prof. HAO Jianhua	AP
	Associate Professor	Dr HUANG Bolong	ABCT
	Professor	Prof. HUANG Haitao	AP
	Associate Professor	Dr HUANG Xinyan	BEEE
	Adjunct Professor	Dr LAM Kwok-ho	EEE

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Assistant Professor	Dr LEE Minhyun	BRE
	Associate Professor	Dr LEE Yoon Suk	ABCT
	Associate Professor	Dr Ben LEU Shaoyuan	CEE
	Research Assistant Professor	Dr LI Hangxin	BEEE
	Assistant Professor	Dr Molly LI Meng-jung	AP
	Assistant Professor	Dr LI Mengying	ME
	Research Assistant Professor	Dr LIU Junwei	EEE
	Research Assistant Professor	Dr LIU Kuan	EEE
	Professor	Prof. George LIU Zhizhao	LSGI
	Associate Professor	Dr LOO Ka-hong	EEE
	Professor	Ir Prof. Vivien LU Lin	BEEE
	Professor	Ir Prof. Horace MUI Kwok-wai	BEEE
	Chair Professor	Ir Prof. NIU Jianlei	BEEE
	Professor	Prof. QIAO Zhonghua	AMA
	Research Assistant Professor	Dr Yuvraj SAHNI	BEEE
	Research Assistant Professor	Dr SHAN Kui	BEEE
	Associate Professor	Dr SHOU Dahua	SFT
	Chair Professor	Prof. TAO Xiaoming	SFT
	Professor	Prof. WANG Dan	COMP
	Associate Professor	Dr WANG Qixin	COMP
	Professor	Prof. WANG Yuhong	CEE
	Associate Professor	Ir Dr WONG Ling-tim	BEEE
	Assistant Professor	Dr WU Maochun	ME
	Chair Professor	Prof. Tom WU Tao	AP
	Professor	Prof. XU Bingang	SFT
	Assistant Professor	Dr XU Linli	ABCT
	Assistant Professor	Dr XU Zhenglong	ISE
	Chair Professor	Prof. YAN Feng	AP
	Chair Professor	Prof. Jerry YAN Jinyue	BEEE
	Assistant Professor	Dr YANG Guang	EEE
	Professor	Ir Prof. YANG Hongxing	BEEE
	Associate Professor	Dr YANG Xusheng	ISE
	Associate Professor	Dr YAO Haimin	ME

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Research Assistant Professor	Dr YU Xiaoliang	ME
	Professor	Prof. Joseph YUNG Ka-fu	ABCT
	Associate Professor	Dr ZHANG Biao	AP
	Chair Professor	Prof. ZHANG Dan	ME
	Research Assistant Professor	Dr ZHANG Miao	ABCT
	Assistant Professor	Dr ZHANG Xiao	ME
	Assistant Professor	Dr ZHANG Xiaoge	ISE
	Professor	Dr ZHENG Guangping	ME
	Professor	Prof. ZHU Songye	CEE
	Associate Professor	Dr ZHU Ye	AP
Research Personnel	Research Assistant Professor	Dr REN Zhiwei	EEE
Former Member	Research Assistant Professor	Dr WANG Minghao	EEE

Research Institute for Sports Science and Technology (RISports)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Chair Professor	Ir Prof. ZHANG Ming	BME
Associate Director	Chair Professor	Prof. FAN Jintu	SFT
	Professor	Prof. Amy FU Siu-ngor	RS
	Chair Professor	Prof. WEN Chih-yung	AAE
Member	Associate Professor	Dr AN Liang	ME
	Professor	Dr Henry CHAN Ho-lung	SO
	Chair Professor	Ir Prof. CHAN Kang-cheung	ISE
	Research Professor	Prof. CHAN Luen-chow	ISE
	Research Assistant Professor	Dr Tony CHEN	BME
	Research Assistant Professor	Dr Kenneth CHENG Chik-chi	BME
	Chair Professor	Prof. CHENG Li	ME
	Research Assistant Professor	Dr James CHEUNG Chung-wai	BME
	Research Assistant Professor	Dr DONG Xiaoli	FSN
	Chair Professor	Prof. HAO Jianhua	AP
	Associate Professor	Dr HO Chu-po	SFT

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Associate Professor	Dr HU Xiaoling	BME
	Assistant Professor	Dr HUANG Hailong	AAE
	Assistant Professor	Dr JIANG Yiping	AAE
	Chair Professor	Prof. JIN Wei	EEE
	Professor	Prof. KAN Chi-wai	SFT
	Associate Professor	Dr LAI Puxiang	BME
	Professor	Prof. Carly LAM Siu-yin	SO
	Associate Professor	Dr Newman LAU	SD
	Chair Professor	Prof. LEE Kun-pyo	SD
	Associate Professor	Dr Thomas LEE Ming-hung	BME
	Associate Professor	Dr LEONG Hong-va	COMP
	Assistant Professor	Dr LI Fan	AAE
	Chair Professor	Ir Prof. LI Heng	BRE
	Assistant Professor	Dr LI Ping	COMP; SD
	Chair Professor	Prof. LI Qing	COMP
	Assistant Professor	Dr LIU Rong	SFT
	Professor	Prof. Yan Tina LUXIMON	SD
	Assistant Professor	Dr Christina MA Zonghao	BME
	Chair Professor	Ir Prof. Arthur MAK Fuk-tat	BME
	Chair Professor	Ir Prof. MAN Hau-chung	FENG
	Research Fellow	Dr MAN Hok-sum	BME
	Associate Professor	Dr MOK Pik-yin	SFT
	Chair Professor	Ir Prof. NIU Jianlei	BEEE
	Assistant Professor	Dr SHEN Xi	AAE
	Associate Professor	Dr SHOU Dahua	SFT
	Chair Professor	Prof. David SHUM Ho-keung	FHSS
	Assistant Professor	Dr Billy SO Chun-lung	RS
	Chair Professor	Ir Prof. SU Zhongqing	ME
	Professor	Prof. SUN Lei	BME
	Research Assistant Professor	Dr Matthew TAN Qitao	BME
	Associate Professor	Dr TANG Hui	ME
	Chair Professor	Prof. TAO Xiaoming	SFT
	Research Fellow	Dr TENG Long	ISE

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Chair Professor	Prof. Hector TSANG Wing-hong	RS
	Chair Professor	Prof. WANG Liquiu	ME
	Associate Professor	Dr WANG Qixin	COMP
	Chair Professor	Prof. WANG Xungai	SFT
	Research Assistant Professor	Dr Annie WANG Yan	BME
	Chair Professor	Prof. WANG Zuankai	ME
	Associate Professor	Dr WEN Chunyi	BME
	Professor	Prof. WONG M. S.	BME
	Research Assistant Professor	Dr Duo WONG Wai-chi	BME
	Chair Professor	Prof. Raymond WONG Wai-yeung	ABCT
	Associate Professor	Dr Arnold WONG Yu-lok	RS
	Associate Professor	Dr WU Yin	APSS
	Chair Professor	Prof. YAN Feng	AP
	Professor	Prof. YANG Mo	BME
	Professor	Prof. YICK Kit-lun	SFT
	Professor	Prof. Joanne YIP Yiu-wan	SFT
	Professor	Prof. YU Changyuan	EEE
	Professor	Ir Prof. Simon YU Ching-man	AAE
	Chair Professor	Ir Prof. ZHENG Yongping	BME
	Assistant Professor	Dr ZHONG Siyang	AAE
Former Member	Research Assistant Professor	Dr SUN Yuxiang	ME

Research Institute for Sustainable Urban Development (RISUD)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Chair Professor	Prof. LI Xiangdong	CEE
Associate Director	Chair Professor	Ir Prof. Albert CHAN Ping-chuen	BRE
	Professor	Sr Prof. Charles WONG Man-sing	LSGI
	Professor	Prof. YU Tao	CEE
Member	Associate Professor	Dr AN Liang	ME

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Associate Professor	Dr BI Kaiming	CEE
	Adjunct Professor	Dr Steven Tyler BOLES	EEE
	Associate Professor	Dr Gerhard BRUYNS	SD
	Associate Professor	Dr CAO Sunliang	BEEE
	Associate Professor	Dr CAO Yixin	COMP
	Adjunct Professor	Prof. Edwin CHAN Hon-wan	BRE
	Associate Professor	Cr Dr Daniel CHAN Wai-ming	BRE
	Professor	Dr CHAN Yue-cheong	AF
	Professor	Prof. Anthony CHEN	CEE
	Professor	Prof. CHEN Wu	LSGI
	Associate Professor	Dr CHOY Yat-sze	ME
	Professor	Prof. CHU Wei	CEE
	Associate Professor	Dr Andy CHUI Chun-wai	AF
	Associate Professor	Dr DONG You	CEE
	Assistant Professor	Dr DU Liangfen	BEEE
	Professor	Prof. DUAN Huanfeng	CEE
	Chair Professor	Prof. Ahmed Youssef ELGHAZOULI	CEE
	Associate Professor	Dr FAN Hongqin	BRE
	Associate Professor	Dr James FANG Kar-hei	FSN
	Associate Professor	Dr Mike FUNG King fai	FB
	Professor	Prof. GUO Hai	CEE
	Professor	Prof. Laurent GUTIERREZ	SD
	Associate Professor	Dr Peter HASDELL	SD
	Associate Professor	Dr Ivan HO Wang-hei	EEE
	Associate Professor	Dr HSU Li-ta	AAE
	Associate Professor	Dr Mark HSU Shu-chien	CEE
	Assistant Professor	Dr HUANG Hailong	AAE
	Professor	Prof. HUANG Haitao	AP
	Associate Professor	Dr HUANG Xinyan	BEEE
	Assistant Professor	Dr JANG Sunghoon	CEE
	Assistant Professor	Dr JIANG Liming	BEEE
	Assistant Professor	Dr JIANG Yi	CEE
	Assistant Professor	Dr Nathanael JIN Ling	CEE; HTI

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Chair Professor	Prof. JIN Wei	EEE
	Assistant Professor	Dr Jimmy JIN Yong	AF
	Emeritus Professor	Prof. KO Jan-ming	FCE
	Chair Professor	Prof. Mike LAI Kee-hung	LMS
	Assistant Professor	Dr LAI Siu-kai	CEE
	Professor	Ir Prof. Wallace LAI Wai-lok	LSGI
	Emeritus Professor	Ir Prof. William LAM Hing-keung	CEE
	Professor	Prof. Alan LAU Pak-tao	EEE
	Professor	Prof. LAW Ga-lai	ABCT
	Professor	Prof. Frank LEE Shun-cheng	CEE
	Associate Professor	Dr Brian LEE Yu-hin	SD
	Professor	Prof. LENG Zhen	CEE
	Assistant Professor	Dr Benny LEONG	SD
	Associate Professor	Dr Ben LEU Shao-Yuan	CEE
	Associate Professor	Dr Randolph LEUNG Chi-kin	ME
	Professor	Dr Polly LEUNG Hang-mei	HTI
	Associate Professor	Dr Andy LEUNG Yat-fai	CEE
	Chair Professor	Prof. LI Gang	EEE
	Chair Professor	Ir Prof. LI Heng	BRE
	Assistant Professor	Dr LI Mengying	ME
	Professor	Prof. Pauline LI Pei	ABCT
	Chair Professor	Prof. LIU Aiqun	EEE
	Assistant Professor	Dr LIU Tao	CEE
	Associate Professor	Dr LIU Xintao	LSGI
	Professor	Prof. George LIU Zhizhao	LSGI
	Assistant Professor	Dr Jacqueline LO Tsz-yin	CEE
	Associate Professor	Dr LOU Wei	COMP
	Chair Professor	Prof. LU Chao	EEE
	Professor	Prof. LU Haitian	AF
	Professor	Ir Prof. Vivien LU Lin	BEEE
	Professor	Prof. Yan Tina LUXIMON	SD
	Assistant Professor	Dr MA Wei	CEE
	Professor	Ir Prof. MAK Cheuk-ming	BEEE

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Professor	Dr Daniel NG Chi-to	LMS
	Assistant Professor	Dr NG Kam-hung	AAE
	Chair Professor	Prof. Eric NGAI Wai-ting	MM
	Chair Professor	Prof. NI Meng	BRE
	Chair Professor	Ir Prof. NI Yi-qing	CEE
	Chair Professor	Ir Prof. NIU Jianlei	BEEE
	Chair Professor	Ir Prof. POON Chi-sun	CEE
	Associate Professor	Dr SEO Joon Oh	BRE
	Chair Professor	Prof. John SHI Wenzhong	LSGI
	Senior Teaching Fellow	Dr Barbara SIU Wing-yee	CEE
	Associate Professor	Dr Alessandro STOCCHINO	CEE
	Assistant Professor	Dr Sunny SUN	AF
	Associate Professor	Dr Tony SZE Nang-ngai	CEE
	Professor	Prof. TANG Shiu-keung	BEEE
	Chair Professor	Prof. TAO Xiaoming	SFT
	Assistant Professor	Dr WANG An	CEE
	Assistant Professor	Dr WANG Bing	AAE
	Professor	Prof. WANG Dan	COMP
	Assistant Professor	Dr WANG Jinghua	CEE
	Associate Professor	Dr WANG Qixin	COMP
	Chair Professor	Ir Prof. WANG Shengwei	BEEE
	Assistant Professor	Dr WANG Shuo	LSGI
	Professor	Prof. WANG Yuhong	CEE
	Assistant Professor	Dr WEI Hsi-hsien	BRE
	Professor	Prof. Tommy WEI Minchen	BEEE
	Chair Professor	Prof. WEN Chih-yung	AAE
	Assistant Professor	Dr WENG Yiwei	BRE
	Associate Professor	Sr Ivy Dr WONG Siu-wai	BRE
	Professor	Prof. WU Bo	LSGI
	Professor	Ir Prof. XIA Yong	CEE
	Professor	Prof. Linda XIAO Fu	BEEE
	Assistant Professor	Dr XU Yang	LSGI
	Professor	Ir Prof. Michael YAM Chi-ho	BRE

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Chair Professor	Prof. YAN Feng	AP
	Associate Professor	Dr Ray YANG Lei	COMP
	Associate Professor	Dr YAO Haimin	ME
	Adjunct Associate Professor	Dr Stanley YEUNG Chi-wai	BRE
	Assistant Professor	Dr YI Wen	BRE
	Chair Professor	Ir Prof. YIN Jinhua	CEE
	Professor	Prof. YIN Zhenyu	CEE
	Assistant Professor	Dr YOU Ruoyu	BEEE
	Professor	Prof. YU Changyuan	EEE
	Associate Professor	Prof. Esther YUNG Hiu-kwan	BRE
	Professor	Ir Prof. Tarek ZAYED	BRE
	Assistant Professor	Dr ZHAO Qi	CEE
	Chair Professor	Prof. ZHAO Xiaolin	CEE
	Chair Professor	Prof. ZHENG Zijian	ABCT
	Associate Professor	Dr ZHOU Chao	CEE
	Professor	Prof. ZHU Songye	CEE
	Associate Professor	Dr ZHU Xiaolin	LSGI
	Assistant Professor	Dr Tony ZHUGE Chengxiang	LSGI
	Assistant Professor	Dr Frank ZOU Fangxin	AAE
Former Member	Assistant Professor	Dr YAO Wei	LSGI
	Associate Professor	Dr CHAU Chi-kwan	BEEE
	Chair Professor	Prof. Michael SIU Kin-wai	SD
	Assistant Professor	Dr Francis SIU Ming-fung	BRE

Research Centre for Chinese Medicine Innovation (RCMI)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Professor	Prof. WONG Man-sau	FSN
Associate Director	Associate Professor	Dr Daniel MOK Kam-wah	FSN
	Professor	Prof. Shamay NG Sheung-mei	RS
	Associate Professor	Dr Jerry YEUNG Wing-fai	SN
Member	Associate Professor	Dr Gerhard BRUYNS	SD

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Professor	Dr Henry CHAN Ho-lung	SO
	Assistant Professor	Dr Fiona CHEN Xiangyan	HTI
	Associate Professor	Dr Kenneth CHENG King-yip	HTI
	Associate Professor	Dr CHEUNG Kin	SN
	Associate Professor	Dr DO Chi-wai	SO
	Associate Professor	Dr Janice HO Yuen-shan	SN
	Associate Professor	Dr Vincent KENG Wee-keong	ABCT
	Assistant Professor	Dr Ben KO Chi-bun	ABCT
	Associate Professor	Dr Thomas LAM Chuen	SO
	Professor	Prof. Terence LEE Kin-wah	ABCT
	Assistant Professor	Dr Franco LEUNG King-chi	ABCT
	Research Assistant Professor	Dr Jessie LIN Jingxia	RS
	Honorary Professor	Prof. Samuel LO Chun-lap	ABCT
	Assistant Professor	Dr MA Cong	ABCT
	Assistant Professor	Dr Billy SO Chun-lung	RS
	Assistant Professor	Dr William TAI Chi-shing	ABCT
	Chair Professor	Prof. TO Chi-ho	SO
	Chair Professor	Prof. Hector TSANG Wing-hong	RS
	Associate Professor	Dr Dennis TSE Yan-yin	SO
	Associate Professor	Dr WEN Chunyi	BME
	Assistant Professor	Dr Thomson WONG Wai-lung	RS
	Assistant Professor	Dr Grace XIE Yaojie	SN
	Assistant Professor	Dr Richard XU	RS
	Professor	Prof. YAO Zhongping	ABCT
	Associate Professor	Dr Sonata YAU Suk-yu	RS
	Assistant Professor	Dr Clare YU Chung-wah	RS
	Professor	Prof. Michael YU Wing-yiu	ABCT
	Assistant Professor	Dr Daisy ZHAO Danyue	FSN
	Assistant Professor	Dr ZHAO Qian	ABCT
	Associate Professor	Dr ZHAO Xin	ABCT
	Research Assistant Professor	Dr ZHOU Liping	SO
	Assistant Professor	Dr ZHU Yuyan	FSN
	Research Assistant Professor	Dr David CAI Yin	HTI

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Research Personnel	Research Assistant Professor	Dr CHEN Guoqing	SZRI
	Research Assistant Professor	Dr CHEN Sibao	FSN
	Research Assistant Professor	Dr DONG Naiping	FSN
	Research Assistant Professor	Dr GONG Guiyi	FSN
	Research Assistant Professor	Dr Kim LI Jingjing	RS
	Research Assistant Professor	Dr LI Xiaoxiao	SZRI
	Research Assistant Professor	Dr Erin LU	RS
	Research Assistant Professor	Dr Christina POON Chui-wa	FSN
	Research Assistant Professor	Dr Dalinda Isabel SANCHEZ VIDANA	RS
	Research Assistant Professor	Dr TANG Benqin	FSN
	Research Assistant Professor	Dr Amy TSOI Bun	FSN
	Research Assistant Professor	Dr Kelvin WU Ka-lok	HTI
	Research Assistant Professor	Dr XIAO Hui-hui	SZRI
	Research Assistant Professor	Dr Martin YEUNG Ho-yin	HTI
	Research Assistant Professor	Dr ZHANG Huan	FSN
Former Associate Director	Assistant Professor	Dr SETO Sai-wang	FSN

Research Centre for Deep Space Explorations (RCDSE)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Chair Professor	Ir Prof. YUNG Kai-leung	ISE
Associate Director	Professor	Prof. WU Bo	LSGI
	Professor	Prof. YU Tao	CEE
Member	Chair Professor	Prof. Daniel LAU Shu-ping	AP
	Chair Professor	Prof. WEN Chih-yung	AAE
	Assistant Professor	Dr WEN Weisong	AAE
	Assistant Professor	Dr WENG Yiwei	BRE
	Professor	Ir Prof. XIA Yong	CEE
	Professor	Prof. YIN Zhen-yu	CEE
	Professor	Prof. YU Changyuan	EEE
	Chair Professor	Prof. ZHAO Xiaolin	CEE
	Assistant Professor	Dr ZHOU Kai	CEE

Research Centre for Digital Transformation of Tourism (RCDTT)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Director	Professor	Prof. SONG Haiyan	SHTM
Co-Director	Chair Professor	Prof. LI Qing	COMP
Associate Director	Professor	Prof. LI Mimi	SHTM
	Professor	Prof. WANG Dan	COMP
	Associate Professor	Dr WANG Dan	SHTM
Member	Assistant Professor	Dr Simone BIANCO	SHTM
	Associate Professor	Dr CAO Sunliang	BEEE
	Doctor	Dr CHEN Nan	SHTM
	Chair Professor	Prof. CHEN Xiaojun	AMA
	Associate Professor	Dr Andrew K.F. CHEUNG	CBS
	Assistant Professor	Dr Nate Ming CURRAN	ENGL
	Associate Professor	Dr DONG You	CEE
	Assistant Professor	Dr FAN Wenqi	COMP/MM
	Professor	Prof. FU Xiaowen	ISE
	Associate Professor	Dr HAO Faye	SHTM
	Chair Professor	Prof. Cathy HSU	SHTM
	Research Assistant Professor	Dr Ivanka HUANG Guoqiong	SHTM
	Professor	Prof. JIANG Yuwei	MM
	Assistant Professor	Dr Anthony KONG	SD
	Associate Professor	Dr Carman LEE Ka-man	ISE
	Associate Professor	Dr Daniel LEUNG	SHTM
	Associate Professor	Dr LI Hengyun	SHTM
	Research Assistant Professor	Dr LI Ming	ISE
	Associate Professor	Dr LI Qin	AF
	Assistant Professor	Dr Michael LIN	SHTM
	Assistant Professor	Dr LIU Anyu	SHTM
	Research Assistant Professor	Dr Curley LIU	SHTM
	Assistant Professor	Dr MA Wei	CEE
	Assistant Professor	Dr Michael MEI	MM
	Chair Professor	Prof. Eric NGAI Wai-ting	MM
	Assistant Professor	Dr Richard QIU	SHTM

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Assistant Professor	Dr Crystal SHI	SHTM
	Assistant Professor	Dr SHIN Seunghun	SHTM
	Professor	Prof. Michael SIU	SD
	Professor	Prof. Tommy WEI Minchen	BEEE
	Assistant Professor	Dr WEN Weisong	AAE
	Assistant Professor	Dr Antony WONG	SHTM
	Associate Professor	Dr XIAO Qu	SHTM
	Assistant Professor	Dr XU Min	ISE
	Assistant Professor	Dr XU Yang	LSGI
	Associate Professor	Dr ZHAN Xueyong	MM
	Research Assistant Professor	Dr ZHANG Hanyuan	SHTM
	Assistant Professor	Dr ZHANG Huihui	SHTM
	Assistant Professor	Dr Jason ZHANG	COMP; SHTM
	Associate Professor	Dr ZHANG Shaojun	AF
	Research Assistant Professor	Dr ZHANG Yun	SHTM
	Professor	Prof. ZHAO Xingqiu	AMA
	Research Assistant Professor	Dr ZHOU Zhibin	SD

External Members			
Role	Position Level	Name	Name of Institution
Non-PolyU Member	Assistant Professor	Dr Eden JIAO	Hospitality Analytics at University of Surrey, UK
	Professor	Ir Prof. Dan TSANG	The Hong Kong University of Science and Technology

Research Centre for Deep Space Explorations (RCDSE)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Interim Director	Professor	Prof. Sylvia CHEN Xiaohua	APSS
Associate Director	Associate Professor	Dr Bolton CHAU Ka-hung	RS
	Professor	Prof. CHEN Juan	APSS
	Professor	Prof. Benjamin YEE Kay-yan	RS
Member	Adjunct Associate Professor	Dr AU Alma	APSS
	Research Assistant Professor	Dr Algae AU Kit-yee	APSS

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Assistant Professor	Dr William CHAN Hoi-wing	APSS
	Research Assistant Professor	Dr CHAN Wai	RS
	Assistant Professor	Dr Wayne CHAN LS	RS
	Research Assistant Professor	Dr Pearl CHEN Luhua	RS
	Assistant Professor	Dr Teris CHEUNG Cheuk-chi	SN
	Assistant Professor	Dr Daphne CHEUNG Sze-ki*	SN
	Professor	Prof. Eric CHUI Wing-hong	APSS
	Professor	Prof. Louise CUMMINGS	ENGL
	Doctor	Dr Philip HO	RS
	Assistant Professor	Dr HSU Chun Liang	RS
	Assistant Professor	Dr Bryant HUI Pui-hung	APSS
	Assistant Professor	Dr Georg KRANZ	RS
	Associate Professor	Dr Cynthia LAI Yuen-yi	RS
	Associate Professor	Dr Benson LAU Wui-man	RS
	Research Assistant Professor	Dr Janet LEE Lok-chun	RS
	Associate Professor	Dr LEUNG Sau-fong	SN
	Assistant Professor	Dr Richard LI Chen	APSS
	Assistant Professor	Dr LI Yan	SN
	Research Assistant Professor	Dr LIANG Shawn	RS
	Assistant Professor	Dr Bridget LIU Tianyin	APSS
	Associate Professor	Dr Herman LO Hay-ming	APSS
	Research Assistant Professor	Dr Erin LU	RS
	Associate Professor	Dr MAK Yim-wah	SN
	Research Assistant Professor	Dr Mac MA Zewei	APSS
	Assistant Professor	Dr Jacky NG Chi-kit	APSS
	Assistant Professor	Dr Peter NG Hiu-fung	COMP; RS
	Professor	Prof. Shamay NG Sheung-mei	RS
	Professor	Prof. Harry QIN Jing	SN
	Professor	Prof. QIU Anqi	HTI
	Research Assistant Professor	Dr Dalinda Isabel SANCHEZ VIDANA	RS
	Professor	Prof. Krishna SAVANI	MM
	Chair Professor	Prof. David SHUM Ho-keung	FHSS

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Assistant Professor	Dr William TAI Chi-shing	ABCT
	Associate Professor	Dr Dennis TAY	ENGL
	Assistant Professor	Dr Margo Louise TURNBULL	ENGL
	Assistant Professor	Dr WANG Jia	APSS
	Professor	Prof. Bernadette WATSON	ENGL
	Doctor	Dr Florence WU Ka-yu	SAO
	Associate Professor	Dr WU Qiaobing	APSS
	Associate Professor	Dr WU Yin	APSS
	Research Assistant Professor	Dr XIN Meiqi	RS
	Professor	Prof. Elsie YAN Chau-wai	APSS
	Associate Professor	Dr Sonata YAU Suk-yu	RS
	Research Assistant Professor	Dr Ben YU Chun-leung	APSS
	Doctor	Dr YU Lu	APSS
	Assistant Professor	Dr ZHU Shimin	APSS
Research Personnel	Research Assistant	Ms Jessie CHENG Ling-yue	MHRC
	Research Associate	Ms Evelyn HO Tsz-ching	MHRC
	Student Assistant	Ms HO Ying-tung	MHRC
	Student Assistant	Mr Andrew HUNG Chun-hoi	MHRC
	Student Assistant	Ms Charis KWOK Chuek-ying	MHRC
	Research Student	Mr Jimmy LAM	RS
	Research Assistant	Ms Sarah LEUNG	MHRC
	Research Associate	Mr LIN Zequang	MHRC
	Senior Project Fellow	Ms MUI Jolene	MHRC
	Research Assistant	Mr Leon WONG Kwan-ho	MHRC
Former Research Personnel	Research Assistant	Ms ZHANG Diwen	MHRC

External Members			
Role	Position Level	Name	Name of Institution
Non-PolyU Member	Research Assistant Professor	Dr Daniel Kwasi AHORSU	Department of Special Education and Counselling, Education University of Hong Kong
	Associate Professor	Prof. Roland BEISTEINER	Medical University of Vienna
	Emeritus Professor	Prof. Morris BELL	Yale University School of Medicine, USA

External Members			
Role	Position Level	Name	Name of Institution
Non-PolyU Member	Professor	Prof. CAI Huajian	Department of Psychology, University of Oklahoma
	Assistant Professor	Dr Sally CAO Yuan	The University of Hong Kong
	Assistant Professor	Dr Stephen CHAN	Felizberta Lo Padilla Tong School of Social Sciences, Saint Francis University
	Senior Lecturer	Dr Sunny CHAN H.W.	School of Health and Social Wellbeing, University of West England, UK
	Chair Professor	Prof. Eric CHEN	Nanyang Technological University, Singapore
	Professor	Dr Andy CHENG	School of Health Sciences, Western Sydney University, Australia
	Assistant Professor	Dr Calvin CHENG Pak-wing	Department of Psychiatry, The University of Hong Kong
	Professor	Prof. Patrick W CORRIGAN	Illinois Institute of Technology, USA
	Assistant Professor	Dr GUO Yingqi	Hong Kong Baptist University
	Professor	Prof. Keith HAWTON	University of Oxford
	Chair Professor	Prof. HE Jufang	Department of Neuroscience and Biomedical Sciences, CityU
	Assistant Professor	Dr Frank LAI	Department of Social Work, Education and Community Wellbeing, Faculty of Health and Life Sciences, The Northumbria University Newcastle, UK
	Professor	Prof. Albert LEE	The Chinese University of Hong Kong
	Assistant Professor	Dr Polly MA Haixia	Hong Kong Metropolitan University
	Professor	Prof. MA Ning	Affiliated No.6 Hospital Peking University
	Professor	Prof. Winnie MAK Wing-sze	Department of Psychology, The Chinese University of Hong Kong
	Professor	Prof. David MAN Wai-kwong	Tung Wah College
	Associate Professor	Dr REN Liying	Institute of Sociology, Chinese Academy of Social Sciences, China
	Professor	Prof. Naubahar SHARIF	Division of Public Policy, The Hong Kong University of Science and Technology
	Doctor	Dr SUEN Yi-nam	School of Nursing, The University of Hong Kong
	Assistant Professor	Dr Marco TAM Shing-yau	Tung Wah College
	Professor	Prof. Bruce E. WEXLER	Department of Psychiatry, Yale University, USA
	Research Assistant Professor	Dr Stephanie WONG	Department of Social Work and Social Administration, The University of Hong Kong
	Professor	Prof. YAN Chao-gan	Institute of Psychology, Chinese Academy of Sciences

External Members			
Role	Position Level	Name	Name of Institution
Non-PolyU Member	Associate Professor	Dr YAN Jie	Peking University, China
	Assistant Researcher	Ms Dorothy YEUNG	Our Hong Kong Foundation
	Assistant Professor	Dr Michael YEUNG Kin-chung	Department of Psychology, Education University of Hong Kong
	—	Baptist Oi Kwan Social Service	—
	—	Division of Public Policy, The Hong Kong University of Science and Technology	—
	—	Edge Development Centre	—
Non-Scholar Member	Founder	Mr Ikey CHEUNG H. Y.	Edge Development Centre
	Director	Mr CHING Chi-kong	The Mental Health Association of Hong Kong
	Head of Healthcare & Social Innovation	Mr CHOW Dicky	Our Hong Kong Foundation
	CEO	Mr Thomas CHU	New Life Psychiatric Rehabilitation Association
	Service Director (Social Service)	Mr Terry WONG Chung-bao	Stewards
	Consultant Psychiatrist	Dr YEUNG Wai-song	Department of Psychiatry, Pamela Youde Nethersole Eastern Hospital

Research Centre for Resources Engineering towards Carbon Neutrality (RCRE)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Interim Director	Chair Professor	Ir Prof. POON Chi-sun	CEE
Associate Director	Professor	Prof. LENG Zhen	CEE
Member	Research Assistant Professor	Dr Yazan ALREFAEI	CEE
	Associate Professor	Dr BI Kaiming	CEE
	Assistant Professor	Dr CHENG Song	ME
	Associate Professor	Dr Amber CHIOU Jiachi	FSN
	Senior Engineering Manager	Dr Jacky CHUNG Kin-hung	IC
	Associate Professor	Dr DONG You	CEE
	Assistant Professor	Dr FAN Di	SFT
	Professor	Prof. FEI Bin	SFT

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Assistant Professor	Dr GUAN Yu	AAE
	Research Assistant Professor	Dr Kelvin HEUNG Ho-lam	BRE
	Associate Professor	Dr Mark HSU Shu-chien	CEE
	Chair Professor	Prof. George HUANG Guoquan	ISE
	Professor	Prof. HUANG Haitao	AP
	Associate Professor	Dr HUANG Xinyan	BEEE
	Research Assistant Professor	Dr JI Ying	SFT
	Assistant Professor	Dr JIANG Yi	CEE
	Professor	Prof. KAN Chi-wai	SFT
	Associate Professor	Dr Brian LEE Yu-hin	SD
	Professor	Dr Polly LEUNG Hang-mei	HTI
	Assistant Professor	Dr Molly LI Meng-jung	AP
	Research Assistant Professor	Dr LI Yinglei	CEE
	Professor	Prof. Chris LO Kwan-yu	LMS
	Research Assistant Professor	Dr LU Jianxin	CEE
	Professor	Ir Prof. Vivien LU Lin	BEEE
	Associate Professor	Dr REN Jingzheng	ISE
	Research Assistant Professor	Dr REN Zhiwei	EEE
	Research Assistant Professor	Dr SHEN Peiliang	CEE
	Associate Professor	Dr SHOU Dahua	SFT
	Research Assistant Professor	Dr SUN Xiaohao	CEE
	Research Assistant Professor	Dr TAO Yong	CEE
	Professor	Prof. Sandy TO Suet	ISE
	Assistant Professor	Dr WANG Chunjin	ISE
	Professor	Prof. WANG Yuhong	CEE
	Research Assistant Professor	Dr WANG Meng	CEE
	Assistant Professor	Dr WENG Yiwei	BRE
	Professor	Prof. WONG Ka-hing	FSN
	Research Assistant Professor	Dr Elvis WU Pei-Chen	CEE
	Professor	Prof. XU Bingang	SFT
	Professor	Prof. YIN Zhen-yu	CEE
	Research Assistant Professor	Dr Lenny YIP Wai-sze	ISE
	Professor	Prof. YU Tao	CEE

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Professor	Ir Prof. Tarek ZAYED	BRE
	Associate Professor	Dr ZHAN Xueyong	MM
	Assistant Professor	Dr ZHANG Shipeng	CEE
	Assistant Professor	Dr ZHANG Xiao	ME
	Professor	Prof. ZHANG Xuming	AP
	Assistant Professor	Dr ZHAO Qi	CEE
	Chair Professor	Prof. ZHAO Xiaolin	CEE
	Research Assistant Professor	Dr ZHAO Zhiheng	ISE
Former Member	Research Assistant Professor	Dr KAI Ming-feng	CEE
	Assistant Professor	Dr YAO Wei	LSGI

Research Centre for SHARP Vision (RCSV)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Interim Director	Chair Professor	Prof. HE Mingguang	SO
Associate Director	Chair Professor	Prof. Benny CHEUNG Chi-fai	ISE
	Professor	Prof. KEE Chea-su	SO
	Associate Professor	Dr Thomas LAM Chuen	SO
	Chair Professor	Prof. YIP Shea-ping	HTI
Member	Research Assistant Professor	Dr Samuel ABOKYI	SO
	Research Assistant Professor	Dr Jennifer BIAN	SO
	Professor	Dr Henry CHAN Ho-lung	SO
	Associate Professor	Dr Angel CHAN Wing-shan	CBS
	Doctor	Dr CHEN Yanxian	SO
	Professor	Prof. Allen CHEONG Ming-yan	SO
	Research Assistant Professor	Dr Rachel CHUN Ka-man	SO
	Research Assistant Professor	Dr Elie de LESTRANGE-ANGINIEUR	SO
	Associate Professor	Dr DO Chi-wai	SO
	Research Assistant Professor	Dr Jeremy KANG	SO
	Associate Professor	Dr Cynthia LAI Yuen-yi	RS
	Professor	Prof. Andrew LAM Kwok-cheung	SO

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Professor	Prof. Carly LAM Siu-yin	SO
	Associate Professor	Dr Brian LEE Yu-hin	SD
	Associate Professor	Dr LEONG Hong-va	COMP
	Research Assistant Professor	Dr Jeffery LEUNG Tsz-wing	SO
	Assistant Professor	Dr Tina LIAN Jinxiao	SO
	Professor	Prof. LIN Bin	SO
	Associate Professor	Dr Grace NGAI	COMP
	Associate Professor	Dr PAN Feng	SO
	Associate Consultant Optometrist	Dr Peter PANG	SO
	Professor	Prof. Marco PANG Yiu-chung	RS
	Research Assistant Professor	Dr Samantha SHAN Sze-wan	SO
	Doctor	Dr SHI Danli	SO
	Associate Professor	Dr Judy SIU Yuen-man	APSS
	Associate Consultant Optometrist	Dr Rita SUM Wing-man	SO
	Assistant Professor	Dr William TAI Chi-shing	ABCT
	Research Assistant Professor	Dr Ellen TAN Shaoying	SO
	Associate Professor	Dr TAN Youhua	BME
	Chair Professor	Prof. TO Chi-ho	SO
	Associate Professor	Dr Dennis TSE Yan-yin	SO
	Professor	Prof. Tommy WEI Minchen	BEEE
	Assistant Professor	Dr Stanley John WINSER	RS
	Professor	Prof. WONG Man-sau	FSN
	Emeritus Professor	Prof. George WOO	SO
	Associate Professor	Dr YANG Lin	SN
	Chair Professor	Prof. Maurice YAP Keng-hung	SO
	Associate Professor	Dr Sonata YAU Suk-yu	RS
	Professor	Prof. Jane YOU Jia	ISEA
	Professor	Prof. Peter YUEN Pok-man	CPCE/MM
	Professor	Prof. Joseph YUNG Ka-fu	ABCT
	Assistant Professor	Dr ZHAO Qian	ABCT
	Chair Professor	Ir Prof. ZHENG Yongping	BME
	Professor	Prof. ZHOU Lei	SO

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Research Assistant Professor	Dr ZHOU Liping	SO
Former Member	Associate Professor	Dr John YUEN Wai-man	SN

External Members			
Role	Position Level	Name	Name of Institution
Non-PolyU Member	Professor	Dr BUI Bang	Department of Optometry and Vision Sciences, The University of Melbourne
	Professor	Prof. Michael COLLINS	School of Optometry and Vision Sciences, Cardiff University
	Professor	Prof. Jeremy GUGGENHEIM	School of Optometry and Vision Sciences, Cardiff University
	Professor	Prof. Christopher LEUNG	Department of Ophthalmology, The University of Hong Kong
	Professor	Prof. Benjamin THOMPSON	School of Optometry and Vision Science, University of Waterloo
	Associate Professor	Dr ZHOU Yongjin	School of Biomedical Engineering, Shenzhen University

Research Centre of Textiles for Future Fashion (RCTFF)

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Interim Director	Chair Professor	Prof. FAN Jintu	SFT
Associate Director	Associate Professor	Dr LIU Sylvia Xihui	SD
	Associate Professor	Dr MOK Pik-yin	SFT
	Professor	Prof. Amanda WANG Yulan	LMS
Member	Chair Professor	Ir Prof. Albert CHAN Ping-chuen	BRE
	Research Assistant Professor	Dr CHEN Jianming	SFT
	Professor	Prof. Erin CHO	SFT
	Professor of Practice	Mr Kevin DENNEY	SD
	Assistant Professor	Dr FAN Di	SFT
	Research Assistant Professor	Dr FANG Bo	SFT
	Professor	Prof. FEI Bin	SFT
	Professor	Prof. Flora GU Fang	MM

PolyU Internal Members			
Role	Position Level	Name	PolyU School / Department
Member	Associate Professor	Dr HO Chu-po	SFT
	Professor	Prof. HU Hong	SFT
	Research Assistant Professor	Dr JI Ying	SFT
	Professor	Prof. Kinor JIANG Shouxiang	SFT
	Professor	Prof. KAN Chi-wai	SFT
	Research Assistant Professor	Dr KANG Zhanxiao	SFT
	Chair Professor	Prof. Mike LAI Kee-hung	LMS
	Associate Professor	Dr Fanni LEUNG Fine	MM
	Assistant Professor	Dr LI Ping	COMP / SD
	Assistant Professor	Dr LIU Rong	SFT
	Professor	Prof. Chris LO Kwan-yu	LMS
	Professor	Prof. Yan Tina LUXIMON	SD
	Professor	Dr Daniel NG Chi-to	LMS
	Chair Professor	Prof. Eric NGAI Wai-ting	MM
	Research Assistant Professor	Dr SHI Qiuqiong	SFT
	Associate Professor	Dr SHOU Dahua	SFT
	Chair Professor	Prof. TAO Xiaoming	SFT
	Assistant Professor	Dr WANG Hailiang	SD
	Professor	Prof. Christina WONG	SFT
	Chair Professor	Prof. WANG Xungai	SFT
	Professor	Prof. XU Bingang	SFT
	Chair Professor	Prof. John XIN Haozhong	SFT
	Associate Professor	Dr Rachel YEE	SFT
	Professor	Prof. YICK Kit-lun	SFT
	Professor	Prof. Joanne YIP Yiu-wan	SFT
	Assistant Professor	Dr Yuan Yancheng	DSAI
	Chair Professor	Prof. ZHANG Dan	ME
	Research Assistant Professor	Dr ZHANG Hanchao	SFT
Research Personnel	Scientific Officer	Dr JIANG Shoukun	RCTFF

6.5 PAIR Administrative Staff



PAIR Central Office

*In order of position types and alphabetical order by surnames of staff
^Left PAIR during the reporting period

Name	Position
Ms CHAN Wai Ching, Florence	Senior Executive Officer
Ms CHAN Pui Man, Connie	Executive Officer
Ms CHEUK Wing Sze, Sara	
Ms LAI On Wing, Etta	
Mr HO Chi Man, Jason	
Ms LAI On Yi, Emily	
Ms LAW Hang Yee, Eva	
Ms NG Yuk Fan, Fanny	
Ms FAN Lok Yan, Mavis	Technical Writer
Ms CHAU Elizabeth, Denice^	Assistant Officer
Ms SHUM Tan Yu, Millie	
Ms YAU Wai Man, Vivien	
Mr WONG Tsz Ho, Terry^	Assistant Technical Officer
Mr PANG Kwok Yee, Alex	
Ms LOONG Fei Yuet, Linda	Executive Assistant

PAIR Constituent Research Units

*In alphabetical order by names of research units and surnames of staff
^Left PAIR during the reporting period

Name	PAIR Constituent Research Unit	Position
Ms LI Chi Ha, Cheryl	Research Institute for Advanced Manufacturing (RIAM)	Assistant Officer
Mr NG Yin Lung, Frankie^	Research Institute for Artificial Intelligence of Things (RIAIoT)	Assistant Officer
Ms CHAN Wing Guen, Wing^		Assistant Officer
Ms KO Nga Fong, Sherry	Research Institute for Future Food (RiFood)	Assistant Officer
Ms LAI Yuan, Phoebe^	Research Institute for Intelligent Wearable Systems (RI-IWEAR)	Assistant Officer
Ms WANG Can, Savannah		Assistant Officer
Ms KWOK Yan Lam, Cathy	Research Institute for Land and Space (RILS)	Assistant Officer
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