



HONG KONG
ICT AWARDS
2023 香港資訊及
通訊科技獎

Smart People Award 智慧市民獎



智慧教育及學習
Smart Education
and Learning



智慧樂齡
Smart Ageing



智慧共融
Smart Inclusion



Leading Organisation
籌辦機構

社聯
HKCSS

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Gold Award 金獎

Cognitact Limited 康至德有限公司	Protein Biomarkers for Assessing Alzheimer's Disease 基於血液生物標誌物的阿茲海默症的 早期檢測	5
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Certificate of Merit 優異證書

Department of Computer Science, The University of Hong Kong 香港大學計算機科學系	HINCare: A Multi-NGO Platform for AI-based Elder-Volunteer Matching Time Bank 手牽守-人工智能多機構義工配對 時間銀行平臺	7
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Certificate of Merit 優異證書

The Hong Kong Polytechnic University / Pok Oi Hospital / Tung Wah College / Sengital Limited 香港理工大學 / 博愛醫院 / 東華學院 / 港科研有限公司	Immersive Virtual reality (IVR) motor-cognitive training for older people with cognitive frailty 針對認知衰弱長者的虛擬實境運動 認知訓練	8
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Certificate of Merit 優異證書

The Hong Kong Polytechnic University Department of Biomedical Engineering, Jockey Club Smart Ageing Hub 香港理工大學生物醫學工程學系賽馬會智齡匯	Smart Companion Robot 智能陪伴機械人	9
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Hong Kong ICT Awards 2023: Smart People (Smart Inclusion) Award

2023香港資訊及通訊科技獎：智慧市民（智慧共融）獎

Gold Award 金獎

AI Guided Limited
領航智能有限公司

AI visual haptic guiding system
for the visually impaired
視障人士的人工智能視覺動感
導航系統

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Bronze Award 銅獎

Information Processing Consultants Ltd.
資訊系統顧問有限公司

AI HA Drug Label Prescription Entry
人工智能藥物處方標籤輸入

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RightPick Technology Limited

RightPick
正選

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Onepile Limited
一沓紙

Onepile Smart Book Cabinet
一沓紙智能漂書櫃

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Hong Kong ICT Awards 2023: Smart People (Smart Education and Learning) Award

2023香港資訊及通訊科技獎：智慧市民（智慧教育及學習）獎

Gold Award 金獎

KellyJohn Studio Limited
壹寅遊戲科技有限公司

Virtual Sport and Art Tech for
STEM education
虛擬運動及藝術科技的STEM教學

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Bronze Award 銅獎

Enrich Digital Limited
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School JoyReadClub
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Certificate of Merit 優異證書

The Hong Kong Polytechnic University / Sengital Limited
香港理工大學 / 港科研有限公司

Virtual Hospital
虛擬醫院學習系統

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Smart People Award 智慧市民獎



Background 背景

The Hong Kong ICT Awards aims at recognising and promoting outstanding information and communications technology (ICT) inventions and applications, thereby encouraging innovation and excellence among Hong Kong's ICT talent and enterprises in their constant pursuit of creative and better solutions to meet business and social needs.

The Hong Kong ICT Awards was established in 2006 with the collaborative efforts of the industry, academia and the Government. Steered by the Office of the Government Chief Information Officer, and organised by Hong Kong ICT industry associations and professional bodies, the Awards aims at building a locally espoused and internationally acclaimed brand of ICT awards.

There are eight categories under the Hong Kong ICT Awards 2023. There is one Grand Award in each category, and an "Award of the Year" is selected from the eight Grand Awards by the Grand Judging Panel.

香港資訊及通訊科技獎旨在表揚及推廣優秀的資訊及通訊科技發明和應用，以鼓勵香港業界精英和企業不斷追求創新和卓越，謀求更佳和更具創意的方案，滿足企業的營運需要，造福社會。

通過業界、學術界和政府的共同努力，香港資訊及通訊科技獎於二零零六年成立。香港資訊及通訊科技獎由政府資訊科技總監辦公室策動，並由香港業界組織及專業團體主辦，目的是為香港建立一個廣受香港社會愛戴、並獲國際認同的資訊及通訊科技專業獎項。

2023香港資訊及通訊科技獎設有八個類別的獎項。每個類別均設有一個大獎，而最終評審委員會再從八個大獎中甄選出「全年大獎」。

Background 背景

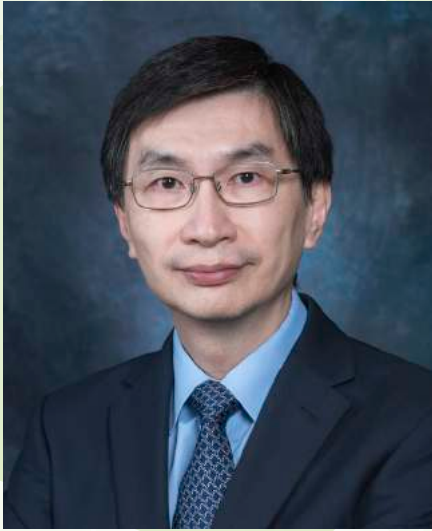
Hong Kong ICT Awards 2023: Smart People Award is established to recognise innovative development of ICT products / solutions or ICT-enabled services with the following objectives:

1. To promote the rights of the disadvantaged groups to participate and contribute to the development of information society
2. To recognise the ICT innovations that address the challenges facing the ageing society
3. To encourage ICT in education for all people, safeguard their right to education and no one will be being marginalised

「2023 香港資訊及通訊科技獎：智慧市民獎」旨在表揚社會各界致力發展創新資訊科技產品，並投入資訊科技於服務中，目的如下：

1. 推動弱勢社群參與及促進資訊科技社會發展的權利
2. 表揚各資訊科技創新項目，以回應老齡化社會面臨的挑戰
3. 推動資訊科技在教育的應用，讓所有年齡、社經背景的人，均能接受教育以及免被邊緣化

Message from Chief Executive of Leading Organiser 籌辦機構獻辭



Mr. CHUA Hoi Wai, JP
Chief Executive
The Hong Kong Council of Social Service

蔡海偉先生，JP
香港社會服務聯會
行政總裁

Over the years, the Hong Kong Council of Social Service (HKCSS) has worked closely with different sectors to promote social innovation and Gerontechnology, enhance the welfare of elderly people, people with disabilities and carers, and advocate educational technology. We have proactively promoted ICT-enabled social innovation, in order to bring social services to new heights.

This year, we are honored to be the Leading Organiser of the Smart People Award again, which is comprised of the 3 streams of Smart Ageing, Smart Inclusion and Smart Education and Learning, in order to achieve the goal of ICT integration for all. It's encouraging to see many high quality and people-centric entries, which fully demonstrate the innovation and creativity in social services. We look forward to the emergence of more ICT-enabled solution that address the needs of vulnerable communities, fill service gaps and facilitate more service innovation.

I would like to take this opportunity to congratulate all winners and thank all the entrants for embracing ICT for all and supporting digital inclusion. Your creativity, efforts and contributions will enhance the knowledge and application of ICT among the general public. We share the same mission in promoting the use of ICT in the community and together we will build a just and caring smart city.

多年來，香港社會服務聯會（社聯）一直與許多不同界別緊密合作，推動社會創新及樂齡科技，致力改善長者、殘疾人士以及照顧者的生活，並在教育方面提倡科技發展。社聯亦積極推動以科技實現的服務創新，促進社會服務邁進新一頁。

今年，我們很榮幸得以再次籌辦「智慧市民獎」，當中分為三大組別：智慧樂齡、智慧共融和智慧教育及學習，以推動資訊科技在不同範疇的應用，讓所有年齡、社經背景及不同能力的人士，均能體會資訊科技在生活及教育各範疇上的便利。我們樂見整體參賽作品的水準極高，能夠以使用者為本，真正了解他們的需要，研發結合創新科技元素的方案，令人鼓舞。我們期待更多關注弱勢社群的方案誕生，回應社會需要，並開拓服務新領域。

我謹恭賀各得獎者，並感謝各參賽者在推動數碼共融作出的重要貢獻。你們的創意和積極投入，使大眾對資訊科技的認識和應用水平不斷提升。我期待更多本地初創研發者，透過資訊及通訊科技，回應社會需要及開拓新的服務領域。

Message from Chairman of Judging Panel 評審委員會主席獻辭



Mrs. Agnes MAK, MH, JP
Executive Director
iPrinciple Ltd.

麥鄧碧儀女士，MH，JP
執行董事
iPrinciple Ltd.

My sincere congratulations on the success of all winners of Hong Kong ICT Awards 2023: Smart People Award.

All entrants have clearly demonstrated their solid research and understanding on their target groups and public, and to foster better living by producing innovative solutions and applications. Congratulations again on their success and thank you for their commitment.

On behalf of the Judging Panel, I would like to extend my sincere gratitude to our dedicated Judges and Assessors who had contributed their strict and professional to make the success of the Smart People Award possible. My heartfelt appreciation also goes to HKCSS and The HKICT Awards Secretariat Office. Their hard work had greatly contributed to the success of the Award.

Let us wish that this year's awardees and entrants will continue to strive for excellence and be able to induce further impact beyond the competition and the Award. Smart People Award will continue to recognise and encourage ICT talent in Hong Kong. Let's work together to promote quality ICT products and services to benefit the community and globally-connected information world.

衷心祝賀2023香港資訊及通訊科技獎：「智慧市民獎」所有得獎者！

今年的香港資訊及通訊科技獎參賽隊伍均有超凡的水準及表現。參賽隊伍均展示出對不同群體和公眾的需要充分了解和作出積極研究，並善用科技服務社會，為他們創建一個更好的未來。在此再次恭賀各得獎者和感謝他們的貢獻。

本屆「智慧市民獎」得以成功，全賴參與的評審及審核成員的鼎力支持，在選出優勝作品的過程中嚴謹而專業。本人謹代表評審委員會向他們致以衷心的謝意。我亦要向香港社會服務聯會和香港資訊及通訊科技獎秘書處致謝，全憑他們的努力，比賽才得以順利舉行。

衷心祝願本屆得獎者及參賽隊伍，繼續追求卓越，於比賽和獎項以外發揮更大的影響力。香港資訊及通訊科技獎：智慧市民獎將繼續表揚及鼓勵香港科技人才。共同協力在社區推動科技與創新意念的應用，讓更多社區以致全球網絡相連的世界受益。



Chairperson主席

Mrs. Agnes MAK, MH, JP
麥鄧碧儀女士，MH，JP
Executive Director, iPrinciple Ltd
iPrinciple Ltd 執行董事

Members成員

Ms. Chris CHAN
陳晶女士
Assistant Director of Incubation & Acceleration Programmes,
Hong Kong Science & Technology Parks Corporation
香港科技园公司創科培育及企業加速計劃 副總監

Mr. CHAN Pik-fai
陳碧輝先生
Assistant Director,
The Boys' & Girls' Clubs Association of Hong Kong
香港女童群益會 副總幹事

Ms. Virginia CHAN, JP
陳彩英女士，JP
Chairman - Community Service Network Steering Committee,
Wofoo Social Enterprise
和富社區服務網絡 督導委員會主席

Mr. CHU Tsz-wing
朱子穎先生
Executive Committee Member,
Association of I.T. Leaders in Education
資訊科技教育領袖協會 執行委員

Ms. Wendy KWAN Wing-yin
關穎賢女士
Chief Systems Manager (Common Services),
Office of the Government Chief Information Officer
政府資訊科技總監辦公室 總系統經理 (共用服務)

Mr. Kelvin LEE
李國基先生
Information Technology Manager,
Christian Family Service Centre
基督教家庭服務中心 資訊科技經理

Mr. Timothy MA, MH, JP
馬錦華先生，MH，JP
Chief Consultant, Ma Kam Wah & Co.
錦華專業管理顧問公司 總顧問

Dr. Edith MOK, MH
莫關雁卿博士，MH
Vice Chairperson,
Hong Kong Society for Rehabilitation
香港復康會 副主席

Ms. Alice SO
蘇雅麗女士
Head of Entrepreneurship,
Hong Kong Cyberport Management Company Ltd.
香港數碼港管理有限公司 創業家組總監

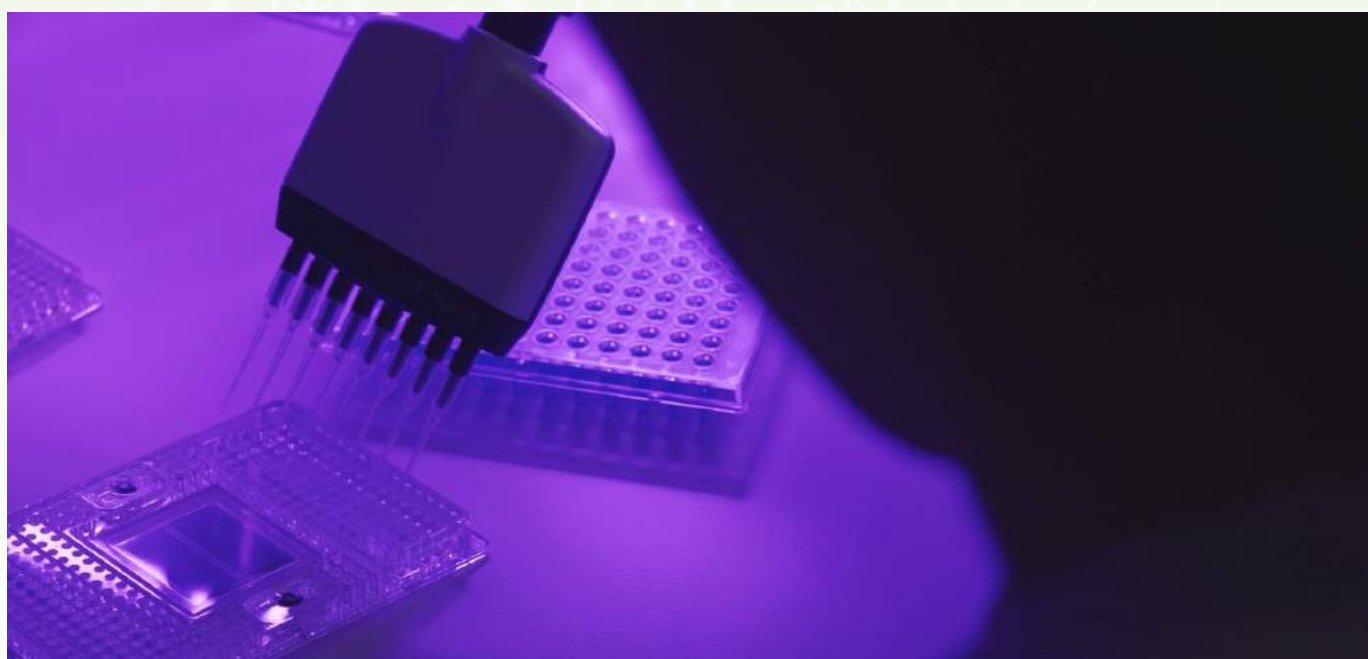
Prof. WONG Yu-cheung
黃於唱教授
Acting Dean,
Felizberta Lo Padilla Tong School of Social Sciences,
Caritas Institute of Higher Education
香港明愛專上學院 湯羅鳳賢社會科學院署理院長

Smart People Grand Award and Smart People (Smart Ageing) Gold Award

智慧市民大獎 及 智慧市民(智慧樂齡)金獎

Cognitact Limited 康至德有限公司

<https://www.cognitact.com>



Protein Biomarkers For Assessing Alzheimer's Disease

Cognitact specializes in the development of solutions of early screening and staging of Alzheimer's disease (AD) using blood-based biomarkers. The primary test service, PlasmakADTM, utilizes world-leading proteomic technology to detect the level change of 21 AD-related protein biomarkers from a small volume of venous blood, to evaluate the individual risk of developing AD, with an accuracy of over 96%. Combining proprietary machine-learning algorithms for data analysis, PlasmakADTM is capable of detecting AD risk 5 to 10 years before symptoms manifest. Moreover, the technology employs a multi-dimensional analysis approach, evaluating the status of different human body systems related

基於血液生物標誌物的阿茲海默症的 早期檢測

康至德有限公司專注於開發針對阿茲海默症(AD)的早期篩檢和疾病分期的血液生物標誌物。PlasmakADTM測試服務利用世界領先的蛋白質組學技術，從少量靜脈血液樣本中準確檢測 21 種與AD相關的蛋白質生物標誌物的水準變化，以評估AD的發病風險，準確率超過96%。結合自主開發的機器學習演算法進行數據分析，PlasmakADTM 能夠在症狀出現之前5至10年實現AD檢測。另外，該技術採用多維分析方法，評估與AD相關的不同人體系統的狀態，包括免疫、代謝、神經和血管系統，從而提供對疾病的全面評估，有助於病情評估以及患者分類。通過全面的



to AD, including the immune, metabolic, neural, and vascular systems, which provides a holistic understanding of the disease progression and facilitates the patient stratification. In summary, through the comprehensive blood biomarker profiling, Cognitact provides a solution for early screening of AD cases, which facilitates for early intervention and disease management. It also serves as an assisted tool for clinical consideration of disease monitoring and precision medicine, ultimately benefiting the ageing society.



血液生物標誌物分析，Cognitact為AD的早期篩查提供解決方案，從而促進早期干預和疾病管理。它亦可以運用於臨床疾病監測和精準醫學的輔助工具，最終惠及老齡化社會。

Comments from Judging Panel 評審委員會評語

The assessment's use of distinctive biomarkers for identification and big data analysis through non-invasive screening is promising. It demonstrates a good application of technology in ageing society. The assessment can not only assist medical staff in further diagnosis and early intervention for treatment, but also adopt active health management.

此檢測以非侵入式篩查方法，使用獨特的生物標記進行識別和大數據分析，是應對老齡化社會的科技應用。檢測不但可以協助醫護員進行進一步及早診斷及介入治療，更可促進積極的健康管理。

Smart People (Smart Ageing) Certificate of Merit 智慧市民(智慧樂齡)優異證書

Department of Computer Science,
The University of Hong Kong
香港大學計算機科學系

<https://www.hincare.hku.hk>

HINCare: A Multi-NGO Platform for AI-based Elder-Volunteer Matching Time Bank

HINCare is a platform for multiple NGOs to implement volunteering and timebanking in their communities for social capital development. The app encourages members of the NGOs to embrace digital technologies through its user-friendly design. The HINCare platform is now serving more than 7,000 service requesters and helpers in 14 NGOs in Hong Kong. The platform helped participating NGOs to streamline their timebanking processes. The functions provided also improve the effectiveness and the efficiency of the NGO centre staff in administering volunteering services and timebanking. We expect that more and more NGOs planning to launch timebanking in the next 3 years, benefiting more than 10,000 users.

The HINCare platform integrates data science, AI, and voluntary service solutions. A gigantic HIN (Heterogeneous Information Network) database is built to store the relationship information among service requesters, helpers, and NGOs. The HIN is deployed to find which helpers are the best candidates to assist the service requesters. This is the first time that an HIN is used to support voluntary service system. Moreover, the data collected, such as the pattern of the services required, locations and frequency of services, requesters-volunteers matching, and ratings of services, can be very useful to social capital researchers and policymakers.

Comments from Judging Panel 評審委員會評語

The platform enhances the operational efficiency. This included centralized the coordination works for both NGOs and volunteer. The user interface was designed to be user-friendly for elderly individuals. Notably, the platform consolidated multiple functions into a single platform, streamlining access to various services.



手牽守-人工智能多機構義工配對時間銀行平臺

HINCare手牽守是一個智能義工配對時間銀行平台，可同時支援多機構便捷使用，發展社區資本。手牽守手機應用程式的友善設計，使參與專案的機構更容易鼓勵其會員使用，融入數碼科技。目前已有14間社福機構使用手牽守平台，所服務會員人數超過7,000人。參與項目的社福機構，透過手牽守智慧時間銀行平台，可以輕鬆地建立其相關的時間銀行運作。平台所提供的功能，讓參與機構的員工，能更有效地管理操作義工配對和時間銀行記錄。隨著時間銀行和社區資本項目的推廣發展，更多的社福機構會採用並受惠於手牽守平台，估計受惠長者和義工人數將超過一萬人。

手牽守平台應用了人工智慧和大資料於義工配對服務，把社福機構、服務使用者和義工的相關資訊，以異構資訊網路（HIN）聯結起來，為服務使用者，推薦於資料庫裡面的最佳人選，為所需的義工服務作配對。這是首個應用HIN技術於義工服務配對和時間銀行的平台。平台所記錄的資料，例如所需的義工服務、服務地點、頻率和次數、服務使用者和義工的配對歷史、互相評價等等，都對社區資本發展和相關政策研究，有很大的參考作用。

該平台提高了整體的營運效率，包括集中協調機構和義工的配對工作。使用者介面的設計對長者來說是很方便。該平台將多種功能整合到一個應用程式中，簡化了對各種服務的存取。

Smart People (Smart Ageing) Certificate of Merit 智慧市民(智慧樂齡)優異證書

The Hong Kong Polytechnic University /
Pok Oi Hospital / Tung Wah College /
Sengital Limited
香港理工大學 / 博愛醫院 / 東華學院 /
港科研有限公司

Immersive Virtual reality (IVR) motor-cognitive training for older people with cognitive frailty

This is the first immersive Virtual Reality (IVR) simultaneous dual-task (motor-cognitive) training system to enhance the cognitive and physical health of older individuals with cognitive frailty.

Funded by the Innovative Technology Fund For Better Living and the School of Nursing, PolyU, matching fund, the project provides an evidence-based 8-week training program designed by experts in rehabilitation science, dementia care, and cognitive training. The system utilizes IVR technology and bluetooth motion sensors to connect to a desk bike. Older people can wear a head-mounted IVR device with a hand-held controller to simultaneously receive cognitive and motor trainings in the IVR environment simulating daily life. This training synchronously strengthens their cognitive and physical functions. This design also allows training effects to transfer to daily life, enabling users to maintain their independence and live happily and safely in their familiar community. All IVR training games are gamified by incorporating fun elements such as difficulty leveling, competition, and scoring to promote motivation.

Since January 2020, the training has already been conducted in 10 community centers, with about 360 older users completing the training. Research demonstrates that the system can enhance older users' cognitive and motor functions, with 92.8% of older users completing all training, and all participants recommending the system.

Comments from Judging Panel 評審委員會評語

The use of IVR technology is being explored as a facilitative tool to engage the elderly in exercise activities. This experience is designed to be activity and cognition-oriented, providing gradual activity training that is elderly-friendly.



針對認知衰弱長者的虛擬實境運動認知訓練

本項目是首個為認知衰弱華人長者度身訂做的同步雙重任務(運動-認知)沉浸式虛擬實境鍛鍊系統，以鍛鍊他們的認知和身體功能。

項目獲創新及科技局創科生活基金和理大護理學院資助，提供實證為本的8周訓練，由康復科學、認知障礙症護理和訓練專家設計。本項目運用虛擬實境科技與藍牙運動傳感器與腳踏車連接。長者佩戴頭戴式虛擬實境裝置後，手執遙控器，即可以在模擬日常生活的沉浸式虛擬環境中同步接受認知及運動訓練，並把鍛鍊效果應用在日常生活中，保持獨立能力，在熟悉的社區中快樂安全地生活。所有虛擬實境訓練遊戲都加入趣味元素，如難度分級、競賽和計分等，娛樂以外，還使健康獲益，提升長者的參與動機。

自2020年1月，項目已在十個社區中心使用，約360名長者完成訓練。研究顯示系統能提升長者認知及運動功能，92.8%長者完成所有訓練，且所有參與者都推薦此系統。

項目使用了 IVR 技術作為促進長者參與運動活動的輔助工具。此外，項目專門針對目標長群訂製 3D 沉浸式體驗，很適合長者漸進式的活動訓練。

Smart People (Smart Ageing) Certificate of Merit 智慧市民(智慧樂齡)優異證書

The Hong Kong Polytechnic University
Department of Biomedical Engineering,
Jockey Club Smart Ageing Hub
香港理工大學生物醫學工程學系
賽馬會智齡匯

<https://www.polyu.edu.hk/Ageing/tc/reslibrary.php?page=2&rid=2230>



Smart Companion Robot

The "Smart Companion Robot" is a successful tech-transfer example of The Hong Kong Polytechnic University ("PolyU") leveraging PolyU-developed invention into a practical solution and an innovative invention that addresses the needs of local older adults and the elderly care and rehabilitation service sector.

The Smart Companion Robot is equipped with an adjustable operation language (in Cantonese or other Chinese dialects) according to the user's mother tongue, customizable game content for the purpose of creating one-of-a-kind and personalized robots to fit the individual's needs, as well as a voice recorder for the purpose of recording thoughts and messages of the user, and connecting the user with their peers, family, and friends in order to create precious memories.

The Smart Companion Robot may not only provide older adults in Hong Kong with novel robot application experiences, but it may also increase the likelihood of using technology to address current and future challenges in long-term care services.

智能陪伴機械人

香港理工大學生物醫學工程學系將本地科研成果轉化為切實可行的解難方案和創新項目，開發了一款迎合本地長者及安老和復康服務業界需求的「智能陪伴機械人」。智能陪伴機械人能以廣東話與長者互動，亦可根據長者的母語修訂成不同的粵語方言內容。此外，機械人內置四個互動遊戲，護理員可依照使用者的喜好及需求，自定更多個人化的遊戲內容，為長者創作獨一無二的機械人。機械人還具備即時錄音功能，不僅可以記錄長者的的心情或想法，同時鼓勵他們的同伴、親友和護理員參與錄音，一同關懷陪伴長者並共同創造獨特的珍貴回憶。智能陪伴機械人不但能將為香港的長者帶來嶄新的機械人應用體驗，亦為以科技解決當前和未來的安老服務挑戰創造更理想的前景。

Comments from Judging Panel 評審委員會評語

This product can serve as a companion for lonely seniors, providing intelligent companionship. It can respond to the user's needs, offering emotional support and social interaction, helping to alleviate feelings of loneliness and enhance the enjoyment of life.

這個產品可以作為具孤獨感的長者的陪伴角色，提供智慧化的陪伴。它可以回應用戶的需求，提供情感支援和社交互動，幫助減輕孤獨感和提升生活樂趣。

Smart People (Smart Inclusion) Gold Award 智慧市民(智慧共融)金獎

AI Guided Limited
領航智能有限公司

<https://www.ai-guided.com>



AI visual haptic guiding system for the visually impaired

The AI haptic guiding smart belt is a revolutionary device that aims to assist visually impaired individuals with mobility and navigation. This device is worn around the waist and utilizes AI vision and haptic feedback to detect obstacles and provide directional guidance. With a camera and sensors such as a gyroscope and accelerometer, the smart belt can detect objects within a certain range and alert the wearer of potential hazards or obstacles through strong vibrations. It also provides mild vibrations for path-following signals. The device has been deployed in Hong Kong and Germany.

視障人士的人工智能視覺動感導航系統

AI觸覺導航智能腰帶是一種旨在協助視障人士進行移動和導航的革命性設備。該設備戴在腰間，利用AI視覺和觸覺反饋來檢測障礙物並提供方向指引。智能腰帶配備了攝像頭和陀螺儀、加速度計等傳感器，可以在一定範圍內檢測物體。當有潛在危險或障礙物時，智能腰帶通過強烈的震動來提醒佩戴者。同時，它還通過輕微的震動來提供路徑跟隨信號。AI觸覺導航智能腰帶已經在香港及德國被使用。

Comments from Judging Panel 評審委員會評語

The smart belt is designed with various technological components that not only enhance the safety of visually impaired individuals when they go out, but also help them maintain social connections.

智能腰帶透過良好的設計及不同的科技組件，為視障人士提供了一種可以加強其外出安全性，從而幫助他們維持社交聯繫。

Smart People (Smart Inclusion) Bronze Award 智慧市民(智慧共融)銅獎

Information Processing
Consultants Ltd.

資訊系統顧問有限公司

<http://www.ipchk.com/pics.html>

AI HA Drug Label Prescription Entry

AI drug label prescription entry brings a new page to Proactive Individual Caring System (PICS®). Bridging between human thinking and data logic, it breaks through the entrance barriers of the computerisation of medication management and individual caring of the nursing homes.

PICScan® – The AI-powered tech captures authentic images of drug labels, accurately and efficiently reconciles the prescription entry. It understands and distinguishes variations of drug information in all HA drug labels, converts the text into data, and generates prescriptions and records on the EDI database without additional human effort. Besides, it is more accessible to duplicate labels adhering to the corresponding drug's bag. PICS®MMS & eMAR– The AI-powered tech identifies drugs' active ingredients, brands, and names, correlates with the possible cross-sensitivity group, makes proactive strategies in alerting healthcare professionals before giving medicines, and reduces preventable adverse drug events (ADEs).

PICS®ADPM – By adding the QRcode to the drug label image, it makes drug traceable when using the auto-dispensing machine.

PICS®ICP – Utilising mobile apps, RFID, and Bluetooth vital sign devices, PICS® makes it easy in recording and assessing each resident's care items and wounds, facilitating the comparison and progress monitoring.

Comments from Judging Panel 評審委員會評語

This technology uses AI to improve the efficiency and accuracy of copying drug label prescriptions, while minimizing the possibility of human error and reducing the workload of nurses.



人工智能藥物處方標籤輸入

AI藥物標籤處方輸入，為PICS®個人護理系統帶來了新的一頁。連接人類思維和數據邏輯，突破了院舍管理系統電子化的門檻。有效地幫助護理人員輸入正確資料並提高用藥依從性，因而提昇了護理人員與家庭照顧者的共融。

PICScan® — AI技術從藥物標籤圖像理解和區分藥物處方，無需額外的人力，將藥物標籤精準地轉換成EDI數據庫可讀的藥物處方。內置的AI學習模組，不斷更新使辨識趨向完美。

PICS®MMS & eMAR — AI技術識別藥物的成分、品牌和名稱，主動提醒護理人員交叉敏感性群組相關聯性，減少可預防的藥物不良事件(ADEs)。

PICS®ADPM — 擴展藥物標籤圖像的使用，簡單地掃描二維碼記錄藥物信息，有效地在使用自動配藥機時，可追蹤藥物的派發。

PICS®ICP — 應用移動設備Apps、RFID和藍牙生命體徵設備，輕鬆記錄和評估每個舍友的護理項目和傷口護理情況，便於比較和進度監察。

這項技術使用人工智能來提高輸入及印刷藥品標籤處方的效率和準確性，同時最大限度地減少人為錯誤，並減輕護士的工作量。

Smart People (Smart Inclusion) Certificate of Merit 智慧市民(智慧共融)優異證書

RightPick Technology Limited

<https://rightpickhk.com>



RightPick

RightPick

RightPick helps students who are facing the challenge of selecting majors through JUPAS. By utilizing artificial intelligence and algorithms, RightPick has developed various tests and data integration systems to help users overcome confusion and define their personality and preference attributes. By combining user attributes and needs, we can accurately match 20 best-fit majors based on data from more than 5,000 questionnaires collected from university students and graduates, with over 1 million data points.

RightPick also solves the graduates' pain point of choosing the 20 best-fit occupations after graduation by using artificial intelligence and big data from 1,000,000+ job ads.

Launched on the market for about a year, we have some customers include secondary schools and school sponsoring body such as Caritas. We have some achievement such as Cyberport Incubation Program, CityU Tech 300 & CityU Angel Fund, Hong Kong Open Data Hackathon 2nd runner-up, Hong Kong Hackathon 2nd runner-up, The Greater Bay Area STEM Excellence Award EdTech Companies, -Shanghai / Hong Kong Open Data Competition 2023 - Smart Living Award, HK General Chamber of Small and Medium Business Innovation Award.

Comments from Judging Panel 評審委員會評語

This system utilizes artificial intelligence and algorithms to offer personalized JUPAS and career advice to users. If combined with human counseling services, it can assist DSE students and job seekers in identifying the most suitable learning or career path for themselves.

正選

RightPick為DSE學生解決迷惘，利用人工智能及演算法設立了不同測試以及數據整合系統，分析和定義不同類型學生的個性和偏好屬性。JUPAS選科測試數據來自大學生及畢業生於五千多份問卷提供的一百萬個數據點，根據用戶的屬性和需求，分析出最適合DSE學生的20個大學學系。

工作職能職業測試在香港百萬個工作範疇大數據中，以人工智能計算出用家最感興趣及容易發揮優勢的1至20個職業順位。

過往的成就包括：數碼港培育計劃、香港城市大學Tech300/ Angel Fund/ TSSSU、THEi合作計劃、2022年香港科技馬拉松第三名、2022年開放數據黑客松第三名、滬港公開數據比賽2023智慧生活獎。

此系統通過人工智能及演算法為用戶提供個人化的JUPAS和工作建議，如果可以同時結合真人輔導服務，相信可協助DSE學生和求職者發掘最適自己發展的學習或職業道路。

Smart People (Smart Inclusion) Certificate of Merit 智慧市民(智慧共融)優異證書

Onepile Limited
一沓紙

<https://www.onepiletech.com>

Onepile Smart Book Cabinet

OnePile is a technology-driven social enterprise that connects communities through books, promotes shared reading materials, and reduces waste. Its mission is to bridge social gaps and contribute to sustainable development.

Focusing on reading disparity among underprivileged children, OnePile implements a shared reading program. Its Book crossing machines serve nearly 40,000 registered members, handling over 80,000 book donations and circulation with high efficiency. This reduces carbon emissions by over 400,000 kilograms, bringing shared reading joy to a wider audience.

Collaborating with schools, OnePile conducts reading promotion activities, providing guidance and resources to enhance students' reading abilities and interests. Partnerships with businesses promote responsible consumption and production through donations and shared values. Internationally, OnePile seeks cooperation with social enterprises and NGOs to exchange best practices and contribute to the United Nations' 17 Sustainable Development Goals.

OnePile is grateful for the conference's support and looks forward to working towards a fairer, more empathetic world.

Comments from Judging Panel 評審委員會評語

Efforts are being made to encourage the reading habit while also reducing wastage associated with books and papers.



一沓紙智能漂書櫃

一沓紙是一家科技驅動的社會企業，透過書籍連接社區、推廣共享閱讀材料，並減少浪費。我們的目標是彌合社會差距，為可持續發展貢獻力量。

推出至今擁有近4萬名會員推行共享閱讀計劃，專注於基層兒童和青少年的閱讀差距。漂書機有效地處理了超過80,000本書籍的捐贈和流通，減少了超過400,000公斤的碳排放。

我們不單與學校合作，開展閱讀推廣活動，提供閱讀指導和資源支持，提高學生的閱讀能力和興趣。同時更與企業建立夥伴關係，推動負責任的消費和生產方式。我們也積極尋找國際合作，與其他社會企業和非政府組織合作，共同推進可持續發展目標。

感謝大會對一沓紙的關注和支持。期待與大家攜手前行，實現更公平、同理心的世界。

此計劃鼓勵閱讀習慣，同時減少書籍和紙張相關的浪費。

Smart People (Smart Education and Learning) Gold Award 智慧市民(智慧教育及學習)金獎

KellyJohn Studio Limited
豈寅遊戲科技有限公司
<https://www.kellyjohnstudio.com>



Virtual Sport and Art Tech for STEM education

This is "Somatosensory software and hardware interaction technology" specially developed for students, developers, and artists. It can capture the user's movements in all directions, and then convert them into relative software input signals through patented algorithms.

This technology can work with most development software and platforms, such as Android, IOS, Window, Minecraft, CoSpaces, Unity, Unreal, Sandbox, Roblox, RaspberryPi, etc. It is suitable for primary, secondary, university students, and professional developers. It has greatly improved the efficiency in developing somatosensory software.

This technology is currently applied in the market: STEM education, senior esports, virtual sports training, commercial applications, venue activities and many other aspects.

A team of students even developed a set of motion-sensing games suitable for the elderly with this technology, and won international awards. The award was: "2022 Wisdom Association Youth Patent Incubation Exhibition - Silver Award".

虛擬運動及藝術科技的STEM教學

這是一套專為學生、開發者、以及藝術家開發的「體感軟硬件交互技術」，能360°全方位捕捉用戶動作，再透過專利演算法，轉化為相對的軟件輸入信號。操作簡單、容易配對，適合任何年齡層使用。

此技術能配合市面上大多數的開發軟件及平台，例如 Android, IOS, Window, Minecraft, CoSpaces, Unity, Unreal, Sandbox, Roblox, RaspberryPi 等等，適合於小學、中學、大學的學生、以及專業人士使用。還大大提升了開發者開發體感軟件的效率。

此技術現時應用在市面上有：STEM教學，樂齡電競，虛擬運動訓練，商業應用，場地活動等多方面。

甚至有學生以此「體感軟硬件交互技術」，開發了一套適合長者的體感遊戲，並取得國際性的獎項。該獎項是：2022智博會青少年專利孵化展—銀獎。

Comments from Judging Panel 評審委員會評語

This is an easy-to-use ICT application can enable users to acquire ICT knowledge and skills. With open APIs and low costs, it can be adopted in many kinds of applications and serve as a great learning tool for student.

這是一個易於使用的ICT應用，可以讓使用者從中獲得ICT知識和技能。憑藉開放的API和低成本，它可以應用於各種應用領域，並成為學生學習的絕佳工具。

Smart People (Smart Education and Learning) Bronze Award 智慧市民(智慧教育及學習)銅獎

Enrich Digital Limited
天窗數碼有限公司
www.enrich-digital.com



School JoyReadClub

Enrich Digital Limited, a subsidiary of Enrich Culture Group, is a prominent publishing media conglomerate based in Hong Kong since 2004. With a focus on promoting copyright protection and digital transformation in the publishing industry, Enrich has established itself as a leader in the field. To cater to the growing demand for digital reading, Enrich has developed various platforms, including JoyReadClub. Launched in August 2021, JoyReadClub is an e-library platform that has already attracted over five million users from public libraries in Hong Kong and Macao. Expanding its services to the education sector, Enrich introduced the School JoyReadClub (SJRC) in September 2022. SJRC collaborates with more than 40 Hong Kong publishers to provide primary and secondary school educators and students access to a collection of over 3,000 titles. The platform is accessible 24/7 on multiple devices such as mobile phones, tablets, and PCs, offering unlimited concurrent access and charging fees based on usage hours. This innovative approach revolutionizes the utilization of educational resources. Enrich's commitment to fostering a robust digital reading community and its collaboration with publishers and educational institutions demonstrate its dedication to meeting the evolving needs of readers and educators.

金閱閣校園版

天窗數碼有限公司是天窗文化集團全資子公司。天窗文化集團自2004年以來成為一家位於香港的知名出版媒體集團。天窗文化致力於推廣版權保護和出版行業的數碼轉型，並在該領域中確立領導地位。為滿足日益增長的電子圖書閱讀需求，天窗數碼開發了多個平台，其中包括「金閱閣」(JoyReadClub)。「金閱閣」於2021年8月推出，是一個電子圖書館平台，已經吸引了來自香港和澳門公共圖書館的超過五百萬用戶。

為了拓展服務範圍，天窗數碼於2022年9月推出了「金閱閣校園版」(School JoyReadClub - SJRC)。SJRC與超過40家香港出版商合作，為中小學教育工作者和學生提供超過3,000種圖書的閱讀資源。該平台可在多種設備上24小時全天候使用，包括手機、平板電腦和個人電腦，提供無限同時訪問並按使用時間計費。這種創新的模式革新了教育資源的利用方式。

天窗文化集團致力於培育強大的數字閱讀社區，並通過與出版商和教育機構的合作，展現了滿足讀者和教育工作者不斷變化的需求的承諾。通過其廣泛的產品和服務，天窗文化集團在塑造香港乃至全球出版行業數碼轉型的浪潮中扮演著重要角色。

Comments from Judging Panel 評審委員會評語

The charging model is an innovative approach that appeals to publishers and schools alike. This model also provides schools with reading statistics that can be used as a reference point. Additionally, unlimited concurrent access feature can motivate student to read more.

此收費模式是一種吸引出版商和學校的創新方法，亦為學校提供了可用作參考的閱讀統計數據。此外，無限同時瀏覽功能亦能鼓勵學校更多電子閱讀。

Smart People (Smart Education and Learning) Certificate of Merit 智慧市民(智慧教育及學習)優異證書

The Hong Kong Polytechnic University/
Sengital Limited

香港理工大學 / 港科研有限公司

<https://www.polyu.edu.hk/sn>

<https://sengital.com>



Virtual Hospital

The Virtual Hospital is an experiential immersive learning system for nursing education that brings technology to life. Unlike conventional learning strategies and virtual reality products, the Virtual Hospital focuses on complex multi-patient scenarios with distractions and unpredictability. It offers unique learning experiences with six scenarios and over 1,000 combinations, progressing from individual to interprofessional perspectives.

Using a gaming framework, the system innovatively engages students to enhance their situational awareness and decision-making abilities. It is able to capture students' responses through voice recordings instead of arbitrarily select multiple-choice answers. Their responses provide automated assessments for comprehensive evaluation of the learning experience. Feedback from over 1,000 nursing and radiography students reveals increased confidence in various skills and learning outcomes. The system has earned prestigious awards such as the Asia Gold Award at QS Reimagine 2022 and the Social Innovation Award in Hong Kong 2023.

A higher institute in Hong Kong has subscribed for its use and potential collaborations are being explored. A short-term patent (Hong Kong) has been granted in 2023 and the Putonghua version of the system is available. Future developments include multiplayer functionality and enhancement of the immersive learning experience.

Acknowledgement to The Hong Kong Polytechnic University for the funding support.

Comments from Judging Panel 評審委員會評語

The learning system would help save manpower and physical resources, while also providing an effective and immersive training experience. The use of VR for training has potential in the healthcare industry.

虛擬醫院學習系統

虛擬醫院是沉浸式虛擬現實護理教學系統，有別傳統策略和虛擬現實產品，它模擬複雜多變和多病人的情境，共六個情境和千多種組合，內容包括護理和跨醫療專業，使用者在突發情況和干擾中體驗學習。

系統以遊戲為本，吸引學生參與並在玩樂中提升情境警覺和決策力。錄音功能比一般選擇題更精準記錄學生回應，遊戲數據可供綜合評估參與成績。千多名護理和放射學學生表示系統可增強應用各種醫護技能的信心，提升學習成效。在2022年獲全球教學創新大獎(QS Reimagine Education Award)-亞洲獎金獎，以及2023年的（香港）社會創意獎。

香港一間高等院校訂用本系統，正討論更多合作機會。2023年獲批短期專利（香港）並製成普通話版。未來會研發多人參與功能並提升現場感。

鳴謝香港理工大學資助。

此學習系統有助節省人力和物力資源，同時提供有效和身臨其境的培訓體驗，在醫療保健行業中使用虛擬現實進行培訓有很大的潛力。

Introduction of Leading Organiser 籌辦機構簡介



The HKCSS is a statutory body established in 1947. Together with our Agency Members, we uphold social justice and equality in our mission to advance the well-being of the Hong Kong community. The HKCSS is committed to building an impact-oriented, collaborative and innovative social service sector, and co-creating a better society with stakeholders across different sectors. The HKCSS has over 510 Agency Members, with service units throughout Hong Kong, providing high-quality social services to those in need.

社聯為法定團體，於1947年成立，與機構會員共同信守社會的公義、公平，以社會福祉為依歸。社聯致力帶動一個具影響力、彼此合作，靈活創新的社會服務界，並透過跨界別協作，與各持份者同行共創。社聯現時有超過510個機構會員，其服務單位遍布全港，為市民提供優質社會服務。

Enquiry 查詢

Tel 電話：2922 9229

Email 電郵：ictaward@hkcss.org.hk

Fax 傳真：2865 0823

Website 網址：<https://ictawards.hkcss.org.hk>

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公司註冊編號：1114769 稅務局註冊編號：91/8561

