

## Press Release

### For Immediate Release

#### **Hong Kong Computer Society Leads Hong Kong ICT Delegation to Glory – Biggest Number of Winners in Asia Pacific ICT Awards 2020-2021 (APICTA) with 6 Winners and 11 Merits**

**16 December, 2021, Hong Kong** – The Hong Kong ICT delegation emerged triumphant again in the Asia Pacific Information and Communication Technology Alliance Awards 2020-2021 (APICTA 2020-2021) held online on December 15, 2021. After fierce competition, 15 entries from Hong Kong, participating in various categories, have proudly received 17 awards including 6 Winners and 11 Merits, making it the biggest winner again in this international awards competition, in terms of Winners award.

Hong Kong Winners and Merit Recipients in APICTA 2020-2021 (Listed by Award Category number sequence):

	<b>Category</b>	<b>Winning Organisation</b>	<b>Product Name</b>
Winner	Business Services – Finance & Accounting	Fano Labs Limited	Multilingual Automatic Speech Recognition System for BFSI
Winner	Inclusion – Health & Wellbeing	Fung Fat Knitting Manufactory Ltd / KnitWarm Limited	KnitWarm
Winner	Public Sector – Government & Citizen Services	Food and Health Bureau, The Government of the Hong Kong Special Administrative Region of the People’s Republic of China / Hospital Authority	Achieving Zero-COVID with the Integrated Hong Kong Digital Health Platform
Winner	Start Up of the Year	WildFaces Technology Limited	Anti-Contagion AI Suite
Winner	Technology – Big Data	Arup	Neuron Smart Building Digital Platform - Empowering Building Sustainability and Wellbeing through AI
Winner	Technology – AI	Fano Labs Limited	Multilingual Automatic Speech Recognition System for BFSI
Merit	Business Services –	eft Payments (Asia) Limited	"e+" series services

	Finance & Accounting		
Merit	Inclusion - General	Compathnion Technology Limited / Logistics and Supply Chain MultiTech R&D Centre Limited	Stay Home Safe
Merit	Industrial – Transport & ICT Networks/Com	WildFaces Technology Limited	Anti-Contagion AI Suite
Merit	Industrial – General	Arup	Neuron Smart Building Digital Platform - Empowering Building Sustainability and Wellbeing through AI
Merit	Student Junior	Ying Wa College	Elderly Communication Assistant
Merit	Student Senior	Lai King Catholic Secondary School	Trendy Toilet
Merit	Student Senior	Christian and Missionary Alliance Sun Kei Secondary School	Octo-BUS
Merit	Tertiary Student – Consumer & Community	Department of Information Technology, Hong Kong Institute of Vocational Education (Lee Wai Lee)	AI Robot Guardians of the Elderly
Merit	Tertiary Student – Consumer & Community	Department of Information Technology, Hong Kong Institute of Vocational Education (Lee Wai Lee)	All Screens
Merit	Start Up of the Year	Blutech IoT Limited	blutech.io Smart Washroom AIoT Solution
Merit	Technology – IoT	Compathnion Technology Limited / Logistics and Supply Chain MultiTech R&D Centre Limited	Stay Home Safe

Among those winning products, there are Winners with double honours. Fano Labs Limited has won two Winner awards while Arup and WildFaces Technology Limited both received one Winner award and one Merit award.

As Executive Committee Member of APICTA, the Hong Kong Computer Society (HKCS) led the

Hong Kong delegation comprised 15 local ICT award winners including recipients of the Hong Kong ICT Awards, Pandemic Innovative Digital Solution Awards and The Pan-Pearl River Delta Region IT FYP Competition. Hong Kong's triumph once again reaffirmed its standing as a major centre for ICT technology within the Asia Pacific region.

Dr. Rocky Cheng, President of HKCS, said, "APICTA has been hailed as the Oscars of the ICT industry. The 15 Hong Kong entries come from local enterprises, With HKCS as the major organiser, Hong Kong's participation in the annual APICTA has for many years been actively supported by sponsorships from Office of the Government Chief Information Officer (OGCIO) of Hong Kong SAR Government, Hong Kong Trade Development Council as well as the ICT industry. Such dedication, together with the knowledgeable coaching support to Hong Kong entries by HKCS' appointed judges and mentors, have sustained an ecosystem which optimises the international recognition of our innovative products and applications at APICTA."

Dr. Cheng also remarked, "APICTA 2020-2021 is hosted by Malaysia this year. However, due to the current 'New Normal', the event was held online. 13 entries, among the 15 entries, have received recognitions in APICTA this year, representing a winning ratio of over 86%. I am really delighted that Hong Kong continues to shine on the APICTA stage with this achievement. I convey my warmest congratulations to all of the award winners on behalf of HKCS. Our delegates had to face tough competition vis-à-vis 13 other countries and territories and meet highly demanding judging criteria. Even Merit recipients must attain 95% or more of the Winners' score to receive the Merit award, so I must say all of the honours are very well-deserved."

Dr. Cheng continued, "APICTA serves to promote ICT awareness and stimulate technological innovation in the Asia Pacific region. HKCS has been an Executive Committee Member of this high-profile annual industry event and Hong Kong as one of the member economies since 2001. As the largest and longest-standing IT professional body in Hong Kong with an in-depth understanding of local ICT industry development, HKCS conducts the nominations and co-ordinates the Hong Kong delegation for the awards. The Society also invites different industry experts to provide mentorship to the nominees, so as to best showcase Hong Kong's technological edge to the judges."

APICTA 2020-2021 attracted contestants from Australia, Bangladesh, China, Indonesia, Macao SAR, Malaysia, Myanmar, Pakistan, Singapore, Sri Lanka, Thailand, Vietnam, Chinese Taipei and Hong Kong SAR. These member economies take turns hosting the annual awards.

Dr. Cheng explained that with delegates coming from so many different countries and territories across the Asia Pacific, APICTA will continue to provide valuable networking and learning opportunities for delegates and facilitate collaboration to advance ICT development in their

respective communities. Members in the judging panels are appointed from the member economies to ensure a fair and impartial selection process and enhance the credibility of the results.

### **About the Asia Pacific Information and Communication Technology Alliance Awards (APICTA)**

APICTA is an annual flagship event of the ICT industry in the Asia Pacific region. Founded in 2001 by Multimedia Development Corporation in Malaysia, it has become a renowned international award today. APICTA aims to recognise organisations and individuals in the Asia Pacific region who have made a significant contribution to the ICT industry; increase ICT awareness in the community; stimulate ICT innovation; provide opportunities for business matching between IT innovators and investors; and facilitate technology transfer and application.

APICTA is represented by 16 countries and territories across the Asia Pacific region, including: Australia, Bangladesh, Brunei, China, Chinese Taipei, Indonesia, Japan, Hong Kong SAR, Macao SAR, Malaysia, Myanmar, Pakistan, Singapore, Sri Lanka, Thailand and Vietnam. These member economies take turns hosting the annual awards each year, which is won through a bidding process. For more information, please visit [www.apicta.org](http://www.apicta.org).

Since APICTA was established in 2001, the Hong Kong Computer Society, as the largest and most well-established IT professional association of its kind with an in-depth understanding of local ICT industry development, has been responsible for nominating Hong Kong's ICT talents to participate in the event.

### **About the Hong Kong Computer Society (HKCS)**

Founded in 1970, the Hong Kong Computer Society (HKCS) is a recognised non-profit professional organisation focused on developing Hong Kong's Information Technology (IT) profession and industry. Their members come from a broad spectrum of Hong Kong's IT community, from corporations to like-minded individuals, all coming together to raise the profile and standards of the IT profession and industry. As a well-established IT professional body, the Society is committed to professional and industry development as well as community services to ensure the IT sector continues to make a positive impact on peoples' lives with three main goals, namely, 1) talent cultivation and professional development, 2) industry development and collaboration, and 3) the effective use of IT in our community.

For more details, please visit <http://www.hkcs.org.hk>

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**Appendix 1: Introduction of Hong Kong Winners**

**附錄一：香港代表隊大獎得主簡介**

<b>● APICTA 2020-2021 Winner 大獎得主</b>	
<b>Category</b> 類別	Business Services – Finance + Accounting 商業服務類別 – 財務及會計
<b>Category</b> 類別	Technology – AI 科技類別 – 人工智能
<b>Organization</b> 得獎者	Fano Labs Limited 有光科技有限公司
<b>Product</b> 得獎產品	Multilingual Automatic Speech Recognition System for BFSI 銀行、金融服務及保險業專用多語言自動語音識別系統
<b>Description</b> 產品簡介	<p>The Multilingual Automatic Speech Recognition System for BFSI of Fano Labs Limited is designed for the customer service call centres of Banking, Finance Services and Insurance institutions. Trained with massive data for deep learning, Fano Lab's speech recognition and natural language processing technology is the powerhouse that drives the our language AI solutions. The Auto Language Detection supports recognition of multiple major languages including Cantonese, English, Mandarin and more; as well as various dialects and minority languages. The system is also designed for multi-speaker conversations. With advanced Speaker Diarization and voice biometrics technologies, we excel in identifying multiple speakers, even in mono recordings.</p> <p>有光科技的自動語音識別系統，專為銀行、金融服務及保險業客戶服務電話中心提供支援，使用海量數據進行深度學習訓練，以語音辨識和自然語言處理技術推動著所有語言企業方案，能識別多種主要語言，包括廣東話，英語，普通話等；以及各種方言和少數民族語言；而且專為多聲對話而設，憑藉先進的話者分離和語音生物識別技術，即使在單聲道錄音中，也擅長識別多個話者。</p>

<b>● APICTA 2020-2021 Winner 大獎得主</b>	
<b>Category</b> 類別	Inclusion – Health & Wellbeing 社區共融類別 - 健康和福祉
<b>Organization</b> 得獎者	Fung Fat Knitting Manufactory Ltd / KnitWarm Limited 逢發織造有限公司 / 織暖有限公司
<b>Product</b> 得獎產品	KnitWarm 暖之織
<b>Description</b>	KnitWarm is the first-of-its-kind heat conductive smart textile. It warms up in 30

<p>產品簡介</p>	<p>seconds when plugged into the power bank and gives a gentle sensation like the skin under the sunshine. This patented invention removes the bulkiness, discomfort, and unaesthetic appearance from the existing mechanisms and unlocks extensive applications addressing an unsatisfied demand in the market to provide warm yet stylish gadgets.</p> <p>「暖之織」創新智能針織發熱技術，運用 3D 無縫工藝把鍍上純銀的導電紗線配合其他纖維交織於布料中，形成既柔軟又可屈曲的智能針織，連接移動電源便會自動加熱升溫，有別於市面上其他方案，不再臃腫外，其優勝之處在於舒適度，獨特透氣且柔軟有韌性，外型更討好；為反映市場上的需求，在研發纖薄、簡便、美觀又舒適的穿戴性個人化發熱保健或保暖產品的同時，也考慮其流動性及舒適度，也簡化一般保暖方式，以提升生活及社交的方便。</p>
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<p>● <b>APICTA 2020-2021 Winner 大獎得主</b></p>	
<p><b>Category</b> 類別</p>	<p>Public Sector – Government &amp; Citizen Services 公營機構及政府類別 - 政府及市民服務</p>
<p><b>Organization</b> 得獎者</p>	<p>Food and Health Bureau, The Government of the Hong Kong Special Administrative Region of the People’s Republic of China / Hospital Authority 中華人民共和國香港特別行政區政府食物及衛生局 / 醫院管理局</p>
<p><b>Product</b> 得獎產品</p>	<p>Achieving Zero-COVID with the Integrated Hong Kong Digital Health Platform 以香港綜合數碼健康平台達致新冠肺炎零感染</p>
<p><b>Description</b> 產品簡介</p>	<p>The Food and Health Bureau, Government of the Hong Kong SAR and Hospital Authority (HA) has implemented a suite of well-orchestrated IT solutions specifically for combating the Coronavirus Disease 2019 (COVID-19) outbreak, which aims to support provide rapid and effective actions in response to the ever-changing situation while at the same time maintaining its essential healthcare service delivery and sustaining the morale of frontline staff as far as practicable, without compromising the safety and quality standards, achieving Zero-COVID target.</p> <p>The Integrated Hong Kong Digital Health Platform and Solution is interwoven with Hong Kong’s measures on testing, contact tracing, vaccination and provision of quarantine and treatment facilities, to achieve "early identification, early isolation and early treatment of the infected". It comprises of the following 4 key components:</p> <ul style="list-style-type: none"> <li>● COVID-19 Case Reporting Platform: with the COVID-19 case reporting platform, known as the “eNotification system for COVID-19” (or eNID for short) individual HA clinical professional can conveniently report cases with key risk factors of</li> </ul>

COVID-19 (e.g. showing certain symptoms or having been in contact with known patient clusters etc.) during patient consultation. The reporting data will then be shared and be accessible in real time to all public hospitals in Hong Kong, as well as to the headquarters' Major Incident Control Center (MICC) for isolation bed allocation and coordination across all hospitals. For the purpose of contact tracing, the Government utilises geospatial information to develop an Interactive Map Dashboard for COVID-19, Case Investigation and Management Portal and Geospatial Information Portal to support planning and implementation of anti-epidemic measures.

- Isolation Bed Monitoring Dashboard: once a suspected or confirmed case of COVID-19 has been identified, up-to-date information on the availability of Airborne Isolation Rooms (AIIR) across all hospitals in HA is vital in order to arrange the admission of the patient concerned as soon as possible. The Isolation Bed Monitoring Dashboard was thus developed in order to allow key decision makers, from hospital and Cluster bed coordinators and senior executives, to the MICC in the HA headquarters, to acquire a comprehensive visualization of the occupancy of AIIR in HA (and later the community isolation facilities in AsiaWorld Expo (AWE) and Lei Yue Mun Park & Holiday Village) based on data from eNID and other systems in a near real-time manner. It also includes key information about the room occupancy, such as clinical specialty, occupants' gender, family group etc. which are vital to the bed allocation decision making.
- COVID-19 Admission Allocation System: admission of a confirmed COVID-19 patient is no easy feat: it needs to coordinate and harmonize between the admission request process by Department of Health based on lab test results, the case management process at AWE Community Treatment Facility, as well as the case allocation processes of HA's 7 Clusters. To deal with such complexity, the Admission Allocation System was developed and deployed within 2-week time which streamlined the above workflows and greatly enhanced the efficiency of COVID-19 cases admission.
- Automatic Lab Test Result Notification Platform: with enormous amount of the COVID-19 laboratory test results conducted every day, it is important to provide test results to the clinicians and citizens accurately and rapidly. While test results of all cases are made available on existing FHB's IT systems for Targeted Group Testing Scheme (TGTS) as well as HA's Clinical Management Systems (CMS) and Laboratory Information System (LIS), for the negative cases a text notification will be sent automatically to the patients within 24 hours via short message.

香港特別行政區政府食物及衛生局（食衛局）與醫院管理局（醫管局）已實施了一套精心設計的資訊科技解決方案，專門用於應對 2019 年冠狀病毒病（COVID-19）爆發，旨在應對瞬息萬變的情況時，能為快速而有效的行動作出支援，同時能在實務上，盡量維持必要的醫療服務水準，並在最大程度上維持前線員工的士氣，而無損安全和質素上的標準，從而達致清零目標。

香港綜合數碼健康平台及服務結合香港在檢測、追蹤密切接觸者、接種疫苗和提供檢疫及治療設施方面的措施，以達致「早識別、早隔離、早治療」的目標。香港綜合數碼健康平台及服務包括以下四大主要元素：

- **COVID-19 病例通報平台：**該通報平台名為「COVID-19 電子通知系統」（簡稱 eNID），方便醫管局的門診部門醫生，在應診時報告具有感染 COVID-19 主要風險因素的病例（例如病人顯示一定的病徵，或曾與已確診的患者群組接觸等）。所通報的數據，無論是醫管局總部的重大事故控制中心（MICC），以至香港所有公立醫院，都能實時共享及讀取，而 MICC 亦可將數據用於所有醫院隔離病房的床位分配及協調工作。為追蹤密切接觸者，香港政府利用地理空間數據並開發了「2019 冠狀病毒病」互動地圖儀表板、病例調查和管理平台及地理空間資訊平台，並用以支援規劃和實施防疫措施。
- **隔離病房床位監控儀表板：**一旦發現可疑或確診的 COVID-19 病例時，醫管局屬下所有醫院可供使用的負壓隔離病房（AIIR）病床的最新訊息，對於儘快安排有關病人入院治療，非常重要。因此，醫管局發展出隔離病房床位監控儀表板，基於 eNID 和其他系統近乎實時的數據，以便主要的決策者，由醫院與聯網間的協調人員、高級管理人員，到醫管局總部的 MICC，都能獲得醫管局屬下醫院所有 AIIR 佔用情況的全面而可視化的訊息，稍後訊息涵蓋範圍將包括亞洲國際博覽館及鯉魚門公園及度假村的社區隔離設施。此外，系統尚包括關於病房佔用情況的各項主要訊息，例如臨床專科、病人性別、家庭群組等，對於病床的床位分配決策非常重要。
- **COVID-19 患者入院分配系統：**為確診 COVID-19 患者安排入院，絕非一件輕鬆任務：需要進行不同單位之間的聯絡及協調工作，涉及的除醫管局屬下七個聯網的病人分配流程外，尚包括衛生署根據測試化驗結果提出的入院要求流程，以及亞博館社區治療設施的個案管理流程。為應對以上種種複雜問題，醫管局在兩星期時間內，開發並推出此入院分配系統，以精簡工作流程，並大為提高安排 COVID-19 個案入院的工作效率。
- **測試化驗結果自動通知平台：**由於每天都要進行大量的 COVID-19 測試化驗工作，因此能準確而迅速地向臨床醫生和市民，提供檢測結果，非常重要。食衛局的特定群組檢測計劃（TGTS）電腦系統及醫管局現正使用的臨床管理系統（CMS）和化驗室資訊系統（LIS），都可取得所有個案的化驗結果。至於檢測結果為陰性的個案，亦可於 24 小時內，自動通過短信形式，將結果以

文本通知方式發送予接受檢測者。

● **APICTA 2020-2021 Winner 大獎得主**

<b>Category</b> 類別	Start Up of the Year 年度初創企業類別
<b>Organization</b> 得獎者	WildFaces Technology Limited 華飛思科技有限公司
<b>Product</b> 得獎產品	Anti-Contagion AI Suite
<b>Description</b> 產品簡介	<p>The Anti-Contagion Suite is a comprehensive set of vision based AI systems specially made for organizations that cannot afford any queues, bottlenecks or individual one-by-one verification.</p> <p>The Suite is an all-in-one, unmanned system designed to automate the tedious and time consuming processes required to keep workers and customers safe. It works in extreme crowds requiring least infrastructure, operates at minimal cost &amp; and allows critical facilities to keep functioning.</p> <p>With many first of its kind capabilities ranging from Accurate &amp; Automated fever detection to social distancing detection and dwell time management, the suite also features contactless and database-less access control, and is fully privacy protected.</p> <p>Anti-Contagion AI Suite 是一套全面的視覺為本人工智能系統，旨在為機構不接受排隊一對一核測方案在疫情期間，提供管理其設施的能力。在設計上，力求準確、自動化、全面和完全整合，因此只須透過單一系統，就可以接管繁瑣且耗時的人手工作程序，以確保工人和顧客的安全。</p> <p>在疫情期間，需要採取多種策略以確保人們安全。因此，系統需要全面與整合，並能在機構財務能力受限的環境中，以最低的成本運行。</p> <p>該系統是專門為無法承受因錯失找出受病毒感染人士，而導致病毒不必要地傳播，最終導致設施被迫關閉，而要付上高昂代價結果的機構而設計。</p> <p>Anti-Contagion AI Suite 包括以下功能：</p> <ul style="list-style-type: none"><li>● 自動化人體高溫檢測/極端人群追蹤</li><li>● 社會距離檢測</li></ul>

	<ul style="list-style-type: none"> <li>● 非接觸式門禁控制</li> <li>● PPE 檢測</li> <li>● 疏散管理</li> <li>● 全面私隱保護</li> </ul> <p>該套件非常適合應用於學校、醫院（特別是急症室）、機場、交通樞紐、公共場所、大型辦公大樓/設施管理、老年設施、公用事業、配送中心及製造工廠等在疫情期間仍須維持運作之處所。</p>
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<b>● APICTA 2020-2021 Winner 大獎得主</b>	
<b>Category</b> 類別	Technology – Big Data 科技類別 – 大數據
<b>Organization</b> 得獎者	Arup 奧雅納工程顧問
<b>Product</b> 得獎產品	Neuron Smart Building Digital Platform - Empowering Building Sustainability and Wellbeing through AI Neuron 智能建築數碼系統 - 以 AI 及 BIM 技術令建築物更節能舒適
<b>Description</b> 產品簡介	<p>Arup’s Neuron Smart Building Digital Platform aims to overcome constraints brought by existing building automation and energy management systems, which focus mainly on monitoring system health and providing alarm capabilities. Integrating Arup’s domain expertise in the building industry with a digital mindset and the power of artificial intelligence (AI), we developed Neuron, an integrated ‘ BIM (Building Information Modelling) + Internet of Things (IoT) + Big Data Analytics’ platform for smart buildings that empowers data-driven energy management and serves as the ‘ digital brain’ for buildings to consolidate and connect data from disparate devices to provide customised insight and machine-learning models for energy monitoring and optimisation.</p> <p>With no similar product or technology ever launched or available in the current market, this cloud-based centralised management console can fully integrate with the existing Building Management System as well as various data sources generated from the building, enabling prompt and adaptive response to dynamic environment, helping users to effectively reinforce productivity of building facility, reduce operation cost and achieve sustainable development.</p> <p>Neuron is a total solution taking the concept of smart buildings to a new level and changing the way buildings are designed, constructed, managed, operated and</p>

maintained. This spearheading innovation does not only help buildings achieve energy savings, but also create a better indoor environment that focuses on the health and wellbeing of the occupants.

奧雅納利用其建築領域專長所開發的 Neuron 智慧建築數字化平台，能匯集多個獨立樓宇設備和裝置的數據，幫助管理者掌握建築物的實時情況，優化大廈營運和管理。

作為香港首個採用人工智能(AI)的智慧建築方案，Neuron 融合建築生命全週期的建築資訊模型(BIM)、物聯網(IoT)、大數據分析(big data analytics)等前沿數碼技術，將智慧建築概念提升到全新水準。Neuron 就如同樓宇的「數字大腦」，能夠整合和分析來自不同裝置的數據，通過自我學習樓宇營運的紀錄數據，快速預測、積極回應四周環境變化，以提升建築內的管理效率。

目前，市場上尚未有與 Neuron 類似的產品或技術。其中央控制平台可以與現有樓宇管理系統以及建築生成的各類數據源完全整合，對動態環境作出迅速響應，幫助用戶有效地提高建築設施生產力，降低運營成本並實現可持續發展。

Neuron 提高一體化解決方案，改寫了建築設計、施工、管理、運營和維護的原有模式。它不僅有助於建築節能減排，還以使用者的健康為本，優化室內環境。