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頂級殊榮











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9月號 SEPTEMBER 2023









生物基熱轉印材料



香港工業再展翅·締造輝煌新

「青笋香風」 The Rise of "Quiet Luxury" 熱:環保與高級品味的融合產物

The Art of Sustainable and Subtle Elegance



### 9月號 SEP 2023

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# 2021-2023年會員月報編輯委員會成員名單

主席:李慧芬 常務會董顧問:莊家彬 常務會董 常務會董 常務會董

林凱章 常務會董 孫榮良 常務會董 胡詠琚 常務會董 吳景瀚 會董

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如果對時尚產業有一定關注的話,相信都會發現最近從名人街頭穿搭到時尚雜誌,均掀起一片「靜奢風」(quiet luxury)熱潮。以往流行的快時尚(fast fashion)以「流行時效短、價格低廉」為特點,如今這種優雅、大氣且不過時的服裝風格或會令已出現審美疲勞的消費者獲得喘息,繼而讓這寧靜的風氣蔓延全球。

Anyone interested in fashion has likely noticed the prevalence of "quiet luxury" in celebrity wardrobes and fashion magazines. Different from once-popular fast fashion, which is characterised by low prices and a short fashion cycle, quiet luxury offers sophisticated, refined, and timeless designs that alleviate aesthetic fatigue. This subtle, new minimalist trend has made waves across the world.

#### 因疫情而衍生的「永續美學|

疫情使人和企業措手不及。麥肯錫與《時尚商業評論》共同發表的《2022時尚環境報告》指出,疫情期間,全球時尚產業的產值下跌兩成,同時亦有7%的時尚企業從市場上消失。這除了是經濟活動受阻所引致外,亦因為人類開始反思人與自然的關係,尤其歐盟執委會曾表示,全球實際上只有不到1%的紡織廢料回收再用至新衣服中,其他廢料終將進入垃圾堆。如何應對疫後消費行為的轉向,成為時尚市場迫切要考慮的問題。在此時代背景下,對抗由地球暖化、快時尚造成的浪費而衍生的「永續時尚」因而成為主流。

另一方面,社會環境和心態的變化亦改變人們對美學和潮流的追求。「靜奢風」一詞在美劇《繼承之戰》(Succession)推出後成為網絡熱搜,劇中角色低調而昂貴的著裝被視為帶有一種有品味的上流貴族(old money)色彩,看似平凡的西裝,原來出自倫敦頂級裁縫之手,這需要長期浸淫而出的眼力才可發現;換句話說,「靜奢風」能巧妙證明穿搭者的財富地位和審美,從社會學的角度而言,這種穿搭方式亦是上流社會用以與一般階級作為區別的手段之一。



#### 高低端品牌共享時代紅利

無論是出於保護環境、推行可持續發展的心態,抑或是上流社會品味終歸會向下流的固有定律,「靜奢風」的熱潮將為時尚產業帶來新商機。對高端品牌而言,自家的產品可乘著這道熱浪更受歡迎,好比如小眾高端品牌Loro Piana的Extra Pocket L19 Bag以往售價只需要約二萬港幣,自從「靜奢風」流行之後變成大熱,甚至需要配貨才有機會買得到,而這種現象顯然不僅限於Loro Piana出現。

對一般品牌而言,普世價值對環保觀念的重視日益增加、各國開始意識到時裝產業對環境造成的問題等,都迫使他們思考如何加速從快時尚轉型,同時減慢推陳出新的速度。與此同時,疫情帶來的全球經濟發展放緩,使人類的生活節奏亦隨之減慢,因此服飾設計除具有高級感之外,更強調永不退流行的「經典款」單品,比起花巧,更注重品質和實用性。可以說,「靜奢風」的流行其實亦代表消費者對速食時尚感到疲倦。

事實上,「靜奢風」已經不是奢侈品牌的專屬了,一些大眾牌子亦打算分一杯羹:如SHEIN專門開設一條「靜奢風」生產線,淘寶亦有多間小商鋪推出「靜奢風」相關的衣飾,儘管衣料不如高端品牌般細膩貴氣,但對於預算有限卻想擁有不落俗套單品的消費者而言,這些大眾品牌無疑給予他們一個絕佳的選擇。

「靜奢風」剛流行不久,其對時尚產業所帶來的實際收益有多少還需一段時間去觀察統計。但從以往流行的「北歐風」、「極簡風」,到現今的「靜奢風」,消費者對低調優雅的追求一脈相承,亦反映此類型的衣飾永遠在時尚市場佔一席地位。

#### "Sustainable Aesthetics" Resulting from the Pandemic

After the pandemic caught the world by surprise, *State of Fashion 2022*, jointly published by McKinsey and Business of Fashion, indicated that the output value of the global fashion industry fell by 20%. Moreover, during the pandemic, 7% of fashion enterprises disappeared from the market. These effects not only disrupted economic activity but also triggered a global reflection on the relationship between nature and society. The European Commission has stated that less than 1% of textile waste in the world is recycled, with the rest ending up in landfills. How to respond to the change in post-pandemic consumer behaviour has become a top priority for the fashion industry. As a means of combatting the waste caused by global warming and fast fashion, "sustainable fashion" is on the rise.

The changes in social mindset have also influenced our pursuit of aesthetics and trends. The term "quiet luxury" became a hot topic online following the release of the American drama *Succession*, in which characters' minimalist but polished outfits suggest the good taste of old money. The true value of the seemingly ordinary suits, created by top tailors in London, is recognised only by those with immense luxury and fashion knowledge. In other words, quiet luxury can demonstrate great wealth and individual aesthetic in a smart way. From a sociological perspective, it serves as a means for the upper class distinguishes themselves from other classes.

#### Dividends of the Times Shared by both High and Low-end Brands

Whether resulting from a desire to protect the environment or the tendency for upper-class taste to eventually spread across society, the surge of quiet luxury presents new business opportunities to the fashion industry. High-end products are becoming more popular. For example, the Loro Piana Extra Pocket L19 Bag – a niche high-end brand – used to cost around HK \$20,000. However, with the rise of quiet luxury, it has become the "it" bag, requiring purchase records for eligibility. This phenomenon is not unique to the Loro Piana.

Even for mainstream brands, the increasing emphasis on being "green" has compelled the industry to consider transition away from fast fashion. At the same time, the deceleration of global economic development caused by the pandemic has also decelerated the pace of life. As a result, fashion design is increasingly focusing on timeless, classic styles and placing value on quality and practicality rather than extravagance. Perhaps the growing popularity of quiet luxury actually represents consumers' fatigue with fast fashion.

Quiet luxury is no longer exclusive to luxury brands. Some popular brands also intend to take a share of this trend. For example, SHEIN has established a quiet luxury production line, and the online shopping platform Taobao has many small shops launching quiet luxury clothing. Although the clothing materials are not as polished and expensive as high-end brands, these popular brands provide an excellent choice for consumers on a limited budget who are seeking unconventional items.

As quiet luxury is still on the rise, it will take some time to observe its actual benefits for the fashion industry. However, the enduring appeal of past styles such as "Nordic" and "minimalist" serves as evidence that consumers have long been drawn to minimalistic elegance, suggesting that the style akin to quiet luxury will hold a strong position in the fashion market.



# 夜市經濟從長計議 一定要做出特色

Night Market Economy: Creating Unique Features through Long-term Planning



年初以來,隨着本港加快經濟復常的步伐,各行各業都努力重振旗鼓,撫 平因為三年疫情及環球經濟大變局帶來的衝擊。惟經濟調整需時,特別是 一些需要充沛人手的傳統產業,例如旅遊業、飲食業和零售業,在面對周 邊和全球競爭的態勢下,復甦的步伐較為緩慢。政府入境處的數字顯示, 今年首7個月港人北上高達2559萬人次;同期南下訪港的內地遊客約1307 萬人次,相差近一倍。

訪港游客人數不似預期,最近不少商界的朋友都在思考一個問題,如何為 本港的旅遊餐飲業增添特色,鼓勵港人留港消費,以及吸引更多包括內地 遊客在內的境外人士來港消費,其中一個較受矚目的建議是夜市經濟。

正所謂立法有立法原意,政策有政策目標。如果政府真的希望推行夜市經 濟政策,就應清楚新政策目的是什麼?對象是什麼人?如果是針對遊客, 是否需要做一個系統的調查訪問?了解他們來香港希望到訪的景點,做什 麼消費?以內地遊客為例,有跡象顯示,近年來很多內地遊客以短線即日 來回居多,過夜遊客呈下降趨勢。特別是年輕的內地遊客,他們的消費模 式已有所變化,從過去的「買買買」購物模式,轉向深度本地遊模式。

因此,我們一定要想清楚:現在希望復興的是以前的大笪地,讓久違的本 港傳統特色再現光芒;還是借鑑內地一些地攤經濟的成功經驗,例如年初 曾火爆一時山東「淄博燒烤」;抑或是學習台灣地區名聞遐邇的觀光夜市 經營模式。當年的本港大笪地主要滿足低下階層「平靚正」的生活需求, 內地的地攤經濟則主要解決當地就業問題,亦是中央所提倡內循環經濟的 一種。當然,兼具滿足本地消費和以特色夜市吸引外地遊客的,暫時只有 台灣的觀光夜市做得最為成功。

我們有理由相信,香港不是希望純粹走回大笪地的老路,更大程度是為了 吸引訪港遊客,同時兼具一部分本地消費的功能。如果是這樣,我們就應 該集中精力研究台灣觀光夜市的成功之道,再結合香港大笪地的傳統經 驗,走出一條具有香港特色的夜市經濟新路。

無論如何,在制定和推行夜市經濟的政策建議時,一定要諮詢本地旅遊和 飲食業界的意見,做成一項足以吸引遊客慕名而來的特色旅遊項目,同時 確保未來的夜市經濟不會對現時的飲食業造成衝擊。最後,在吸引外地遊 客來港消費的同時,也要留住本地消費者支持夜市經濟。



Since the beginning of the year, Hong Kong has been accelerating its economic recovery, with various industries making efforts to revive and overcome the impact from the three-year pandemic and global economic changes. However, economic adjustments take time, especially for traditional industries that require a large workforce, such as tourism, food and beverage, and retail industries. These industries are facing slow recovery in the face of regional and global competition. According to figures from the Hong Kong Immigration Department, there were 25.59 million Hong Kong residents traveling north in the first seven months of this year, while the number of mainland visitors traveling south to Hong Kong during the same period was approximately 13.07 million. The difference between the two figures is almost a double.

With the visitor numbers not meeting expectations, many in the business community have been pondering the question of how to add uniqueness to Hong Kong's tourism and dining industry, to encourage local consumption, and attract more overseas visitors, including mainland tourists, to spend in Hong Kong. One particularly notable suggestion is the development of a night market economy

Legislation has its legislative intentions, and there are policy objective for policies. If the government truly wishes to implement a night market economy policy, it should clearly define the purpose of this new policy and identify its target audience. If it is aimed at tourists, should there be a systematic survey and interview process conducted? It would be important to understand the attractions they wish to visit in Hong Kong and their consumption preferences. Taking mainland tourists as an example, there are indications that in recent years, many mainland visitors prefer short trips with same-day returns, resulting in a decline in overnight stays. Particularly among young mainland tourists, their consumption patterns have changed, shifting from the traditional "buying spree" shopping mode to a preference for immersive local

Therefore, we must consider carefully: Do we want to revive the former "Tai Tat Tei" (big open-air market) to bring back the long-lost traditional charm of Hong Kong? Or should we draw inspiration from the successful experiences of some street market economies in mainland China, such as the popular "Zibo Barbecue" in Shandong earlier this year? Alternatively, we could learn from the well-known tourism night market models in Taiwan. The previous "Tai Tat Tei" in Hong Kong mainly catered to the basic needs of the lower class, while the street market economy in mainland China primarily addressed local employment issues and aligned with the central government's promotion of a circular economy. Of course, only Taiwan's tourism night markets have been successful in both satisfying local consumption and attracting visitors from outside the region with their unique characteristics.

It is reasonsble to believe that Hong Kong does not wish to revert to the old path of "Tai Tat Tei", but rather aims to attract visitors to Hong Kong while also serving as a platform for local consumption. If that is the case, we should focus our efforts on studying the success of Taiwan's tourism night markets and combine it with the traditional experience of Hong Kong's "Tai Tat Tei" to pave a new path for a night market economy with a distinct Hong Kong character.

When formulating and implementing policy recommendations for the night market economy, it is essential to consult the opinions of the local tourism and food and beverage industries. This will ensure the creation of a distinctive tourism project that can attract visitors and, at the same time, safeguard against any adverse impact on the existing food and beverage sector. Lastly, while attracting visitors from outside the region to spend in Hong Kong, it is crucial to retain the support of local consumers for the night market economy.

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## 廠商會接待來訪機構及活動

#### 哈爾濱經濟技術開發區開放招商香港懇談會



由哈爾濱經濟技術開發區管委會主辦的「哈爾濱經濟技術開發區開放招商香港懇談會」於5月11日假香港喜來登酒店舉行,廠商會盧金榮常發副會長(左一)和大國安副會長(左一)代表出席,並與香港特區政府商務及經濟發展局陳百里副局長(左三)和哈爾濱經濟技術開發區管委會于振主任(由)等全限。

#### 「粤港澳大灣區風光攝影展覽」 開幕典禮 (本會合辦)



由廠商會和沙龍影友協會合辦的「粤港澳大灣區風光攝影展覽」開幕典 禮於5月13日假香港大會堂舉行。廠商會史立德會長(右三)代表本會出席 為主禮嘉賓之一,並與文化體育及旅遊局劉震副局長 (中)和沙龍影友協 會尹德勝會長(右四)等進行剪綵儀式。

#### 河北省雄安新區代表團訪會



河北省雄安新區管理委員會改革發展局副局長丁進軍(中)率領代表團一 行6人於5月15日蒞會訪問,由本會梁兆賢副會長(右四)及孔憲榮會董(左 四)等接待。

#### 廣東省韶關市商務局代表團訪會



廣東省韶關市商務局張雯局長(左五)率領代表團一行4人,於5月16日新 會訪問,由本會尹德輝會董(右五)主持接待。

#### 本會與馬來西亞駐香港領事館領事兼 商務專員Mr Yazrin Syakhairi會面



馬來西亞駐香港領事館領事兼商務專員Mr Yazrin Syakhairi (左三) 率領代表團一行3人於5月11日蒞會訪問,由本會盧金榮常務副會長(右三)及周瑞麟行政總裁(右二)接待。

#### 2023豫港國際物流合作對接會(本會協辦)



由河南省發展和改革委員會和河南省商務廳主辦,本會協辦的「2023豫 港國際物流合作對接會」於5月15日在香港會議展覽中心舉行。本會盧 金榮常務副會長(中)代表本會出席為嘉賓之一。

#### 「SafeCity.HK」網站啟動禮暨 「安全城市大使」委任儀式



由杳港警務處主辦的「SafeCity.HK」網站啟動禮暨「安全城市大使」 委任儀式於5月16日假警察總部舉行,本會獲邀成為「安全城市大 使」,廠商會史立德會長代表本會接受由警務處處長蕭澤頤頒授的「安 全城市大使」委任狀。

#### 貴州省大健康產業聯合會代表團訪會



貴州省大健康產業聯合會李修松常务副会长(前排左六)率領代表團一行 20人於5月18日蒞會訪問,由本會周瑞戲行政總裁(前排中)、會董和青 年委員會等接待。

#### 天津市委統戰部代表團訪會



天津市委常委、市統戰部部長翼國強(前排左五)率領代表團一行9人 於5月12日蒞會訪問,由本會史立德會長(前排右五)、副會長陳國民 (前排右四)、吳國安(前排左三)、馬介欽(前排左一)、陳家偉(前排左 四)、駱百強(前排右三)、施榮恆(後排左五)、周瑞戲行政總裁(後排 右四)和常董會董等接待。

#### 廣州南沙粤港合作諮詢委員會 成立兩週年交流活動



「廣州南沙粵港合作諮詢委員會2周年交流活動」於5月15日假香港金鐘 萬豪酒店舉行,本會史立德會長(前排右三)代表本會出席,並與廣州南 沙粤港合作諮詢委員會顧問梁振英(前排中)、廣州市委常委、南沙區委 書記盧一先(前排左十)及外交部駐港特派員公署副特派員潘雲東(前排右 十)等合照。

#### 豫港合作交流推介會(本會協辦)



田河南省人民政府主辦,本會協辦的「豫港台作交流推介會」於5月16 日在香港會議展覽中心舉行。本會史立德會長(左)代表出席為主禮嘉賓 之一,並與河南省人民政府王凱省長(右)合照。

#### 陝西省新生代企業家聯合會代表團訪會



陝西省新生代企業家聯合會代表團訪會執行會長姬廣益率領代表團一行8 人於5月19日蒞會訪問,由本會周瑞戲行政總裁,常董會董等接待。 香港第一家電熱水爐廠 加加膠為香港電熱水器業開創先河 1967年至今在香港製造

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# 廠商會接待來訪機構及活動

## 「慶祝香港回歸26週年暨香港漢港聯誼會第十屆會董會就職典禮」



#### 浙江省工商聯代表團訪會



#### 汕頭市委代表團訪會



汕頭市委書記溫湛濱(前排中)率領代表團一行12人於5月25日蒞會 訪問,由本會史立德會長(前排右五)、副會長黃家和(前排右四)、陳 國民(前排右三)、吳國安(後排左一)、馬介欽(前排右二)、梁兆賢(後 排右二)、施榮恆(後排左二)及周瑞齡行政線裁(後排右一)等接待。

#### 「陽江市(香港)產業招商推介會」(本會協辦)



#### 廣東省陽江市人民政府代表團訪會



陽江市委副書記、市長余金富(前排左四)率領代表團一行15人於5月25日蒞會訪問,由本會吳國安副會長(前排中)、周瑞麟行政總裁(前排左三)及會董等接待。

#### 本會宴請山東省煙台市人民政府代表團



## 27/7 廠商會會董晚宴

本會於7月27日假上海總會舉行7月份「會董晚宴」,當晚邀得民政及青年事務局局長麥美娟親臨作出分享,增進交流。





### 18-20 /8 大灣區新機遇巡禮系列—廠商會肇慶市高新科技3天考察團

「大灣區新機遇巡禮系列─廠商會肇慶市高新科技三天考察團」於18/8-20/8舉行,史立德會長擔任團長,帶領副會長吳國安、馬介欽、梁兆賢、駱百強、周瑞戲行政總裁、多位常董、會董及會員一行38人,到訪肇慶市多個考察點,了解當地各重點產業,包括新能源汽車零部件、新型儲能、電子信息、預制菜產業,以及旅遊產業的最新發展,並與肇慶市委張愛軍市委書記等多位領導進行座談,推動香港與肇慶更深層次合作。





### 31/7 「廠商會ESG+精明廠家系列:專家教路平換商用電動車分享會」

隨着環保意識日漸普及,發展潔淨能源車輛是全球大趨勢。以潔淨能源車輛包括電動車取代燃油車輛,以改善空氣質素,亦是香港政府的長遠目標。為讓會員深入了解電動車及氫能車普及化的最新詳情,會籍部於7月31日舉辦分享會,邀得環境及生態局代表及專家作分享講解。



### 22/8 「會員商聚」

會籍部於8月22日假紅磡J-HUB 香港珠寶工坊舉辦「會員商聚」活動,讓不同行業的會員聚首一堂,增進認識,從而拓展工商網絡。 是次活動由林志強會董、珠寶及玉石業行委會召集人朱容基贊助,氣氛熱鬧愉快。



# 廠商會多媒體頻道 Hashtag CMA

CMA Multi-media Channel Hashtag CMA













香港海關推動貿易發展進程 | 專訪何珮珊 Promotion of international trade by Hong Kong Customs and Excise Department | Louise Ho





海關女首長的生涯體悟 | 專訪何珮珊 Journey to the top of Hong Kong Customs and Excise Department | Louise Ho





# 《我們共同的未來》

聯合國持續發展17目標善企證書及四大獎項 2023















主辦: 奧地利史懷哲協會中國分部 支持: 聯合國開發計劃署 · 公益電視

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基督教永明基金 目標 3「良好健康與福祉」



問、影片等紀錄企業在任何一項或多項「持續發

展目標」中的事實,作出報告,相互參考,共同

鼓勵各企業參與「聯合國持續發展17目標」

即《我們共同的未來》計劃。以文字、照片

信貸便利店有限公司 目標 1「無貧窮」



洪子晴慈善基金會 目標 3「良好健康與福祉」



承創科技集團有限公司 目標 8「體面工作和經濟增長」

吳惠容博士 目標12「負責任消費與生產」



香港環境師學會 目標17「促進目標實現的伙伴關係」























# 生產力局以先進人工智能技術 突破傳統工業界限

HKPC Breaks the Boundaries of Traditional Industries with Advanced Artificial Intelligence Technologiesy

工業結合創新科技是世界大勢所趨,香港亦不例外。而工程及製造業更一直是香港經濟發展的重要支柱。因此,香港生產力促進局(生產力局)著力透過利用人工智能等先進技術開發更智能化、數碼化的解決方案,改善工程及製造業界的傳統產業模式,提升效率和效能,助業界持續增強自身競爭力。生產力局多項創新科技研發,更為全面革新工程及製造業界的營運及生產流程展開新一頁。

工程項目往往涉及大量不同類別的材料,單靠人手監測材料質量難以達到最佳準確性,而且過程需時長、效率低,成為工程界的一大痛點。為確保材料及結構安全,生產力局研發了「基於聲波透射與反射的跨材料結構監測方法」,利用人工智能技術,透過提取超聲波診斷快速而準確地識別各種工程結構和材料的損傷,不但確保整個結構完整、安全,更能節省監測所需的時間和人手。系統適用於檢測建築物、交通設備及能源設施等結構問題,有效保障公眾安全。



生產力局研發智能監測系統,全面加強工地安全管理。 HKPC has developed an intelligent monitoring system to strengthen comprehensive work safety management at construction sites.

此外,工地安全一直備受政府及業界關注。生產力局研發「工地安全智能監測系統」,透過設置簡單的攝像鏡頭和警示廣播系統,加上人工智能自動視覺識別技術,有效加強工地人員的安全管理,防止工人進入未經授權的區域,引發危險。系統亦支援24小時全天候運作,記錄工地安全數據,以協助分析及管理。

除了監測工地人工智能技術於監管生產線方面亦大有作為,可以取代傳統人手檢測方式,減少人力及時間成本。稱為「巨人ARGUS」的「表面異常通用檢測系統」為生產力局結合智能技術及機械臂操作的匠心之作。「巨人ARGUS」配備靈活的協作機械臂,透過全方位視角檢查複雜物件;內置智能高分辨率相機,可以檢測物件表面上的微細缺陷;加上強大的人工智能大腦,自主尋找產品的最佳視角,更只需少量產品樣本便能夠進行無監督學習,探索未知缺陷,實現智能檢測產品質量。



E產力局以創新發明提高工程材料及結構安全。 KPC enhances the safety of engineering materials and structures with innovative inventions.

The integration of manufacturing and innovative technologies has become a major global trend, and Hong Kong is no exception. The engineering and manufacturing sectors have been the important pillars for Hong Kong's economic growth. Therefore, the Hong Kong Productivity Council (HKPC) is dedicated to upgrading the traditional industry models in the engineering and manufacturing sectors through leveraging advanced technologies such as artificial intelligence (AI) to develop more intelligent and digitalised solutions, enhance efficiency and effectiveness, and thus help the industry continuously strengthen its competitiveness. HKPC has developed various technological innovations, aiming to completely transform the operational and production processes, amid starting a new chapter for the engineering and manufacturing sectors.

Engineering projects often involve a vast amount of materials from different categories. Relying solely on manual monitoring of material quality is inadequate to achieve optimal accuracy, and is time-consuming and inefficient. This has become a critical pain point in the engineering sector. To ensure the safety of materials and structures, HKPC has developed the "Cross-material Structural Monitoring by Acoustic Reflection and Transmission", which utilises AI technology to identify damage in various engineering structures and materials rapidly and accurately through ultrasonic-based diagnosis. This technology not only reinforces the integrity and safety of the entire structure, but also saves the time and manpower required for monitoring. It is applicable for detecting structural issues in buildings, transportation equipment and energy facilities, effectively safequarding public safety.

Furthermore, construction site safety is a topic of significant concern for both the Government and industry. HKPC has developed the "Birds Eye Site Safety" system, which incorporates a simple set-up of cameras and broadcast systems, and an AI vision control system that leverages visual recognition technology. This system enhances work safety management at construction sites by effectively preventing workers from access to unauthorised areas that could potentially lead to accidents. It also supports 24/7 operation with the record of construction site safety data, facilitating analysis and management.



系統根據缺陷檢測結果計算有效的後處理參數,例如去毛刺所需的位 置、軌跡和力度,從而提供一個完整的產品解決方案。「表面異常通用 檢測系統」的潛力獲國際嘉許,於2023 年 TechConnect 榮獲全球創新 獎,更勇奪亞洲國際創新發明展2023創新發明大獎金獎。

未來,生產力局會繼續把不同領域的科技融會貫通,帶動行業升級轉型, 攜手實現新型工業化。

Not just supervising a construction site, AI technologies also have immense potentials in monitoring production lines, which can replace traditional manual inspection methods, and reduce labour and time costs. The "Anomaly Recognition Graphical Universal System", also known as ARGUS, is HKPC's masterpiece combining intelligent technologies and robotic arm operations. ARGUS is equipped with collaborative robotic arms that can inspect complex objects from all angles. With its intelligent high-resolution cameras, it can detect tiny defects on material surfaces. The powerful "AI brain" of ARGUS enables it to autonomously identify the best views of the products and explore unknown flaws through unsupervised learning from minimal sample products, achieving smart quality assurance of automotive parts. The system facilitates effective post-processing parameters such as position, trajectory and force required for deburring based on quality inspection results, offering a complete solution. ARGUS has garnered international accolades, including the TechConnect 2023 Innovation Awards and the Gold Award at Asia International Innovation Invention Exhibition 2023.

In the future, HKPC will continue integrating technologies from various fields, driving industry upgrade and transform, and working together to realise new industrialisation.

請掃描二維碼了解更多生產力局於人工智能及機械人方面的工作。 Please scan the QR code to learn more about HKPC's AI and robotics technologies.





資料提供:香港生產力促進局 Information provided by: Hong Kong Productivity Council

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廠商會名人飯堂 - 駱百強副會長及施榮恆副會長

日期Date: 18/9/2023

查詢電話Enquiry Hotline: 2851 1555



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廠商會名人飯堂 - 梁兆賢副會長及陳家偉副會長

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廠商會香港環保及先進科技考察團

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會員商聚

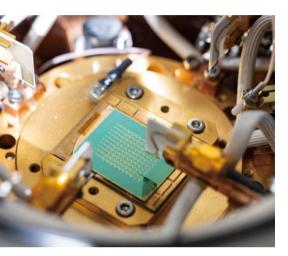
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# 嶄新神經形態視覺傳感器 給機器賦予人類視網膜功能

Revolutionary neuromorphic vision sensor empowers machines with human retinal functions



香港理工大學理學院副院長 (研究)及應用物理學系教授 柴揚受到人類視網膜的神經過 濾功能所啟發,率領科研團隊 開發能夠捕捉、預處理及以模 擬格式儲存影像的神經形態視 覺傳感器。

智能應用的傳統傳感器看似能 夠即時反饋,實際上大部分應 用都結合了邊緣運算和雲運 算。那些影像傳感器先要將影 像由模擬格式轉換為數碼格 式,轉換後的數據量龐大,當

中還夾雜著不少冗餘、甚至與場景無關的信息,如傳感器噪聲。影像傳感器要把這樣龐大的數據放大並上載至存儲中心,再傳送至處理器進行 運算。

如此龐大數據的傳輸與處理工作對無線頻寬和處理器構成巨大壓力,導 致延誤。故此,倘能研發傳感器內或近傳感器演算法去簡化和壓縮數 據,就可以降低數據傳輸量,提高處理效率。

柴教授解釋:「對於無人駕駛汽車、機器人和智慧生產製造等應用,來 自雲處理器的近實時反饋尤其重要。如傳感器能像人類視網膜般預先處 理影像,就可縮短上傳和下載數據的時間,同時大大減輕遠程處理器分 析這些影像的工作量。」

柴教授及其團隊開發的傳感器極具革新性,能直接對模擬格式的影像進行預處理,增強對比度,降低感知終端的噪聲,並在壓縮後的數據以數 碼格式被傳送到外部處理器前,暫時儲存影像。

此傳感器從多方面模仿人類視網膜,其中,它的人工學習功能就複製了 視網膜的突觸過濾。它一旦學會了「看」東西,就可以捕捉影像、降低 噪聲和去除冗餘數據。

神經形態視覺傳感器能夠短暫記憶影像,情況類似我們都經歷過的殘像 現象。柴教授的團隊從視網膜的視錐細胞和視桿細胞取得靈感,令傳感 器能夠調節它每個感光單元的靈敏度,以應付過亮或過暗的場景,即是 在環境太暗時自動提升靈敏度,在環境太亮時降低靈敏度。

與沒有預處理功能的其他傳感器相比,神經形態視覺傳感器大大提高了 識別效率,縮短了所需時間,減少了能耗,可以廣泛地應用於人臉識別 與驗證、無人駕駛汽車、醫療可視化和製造業等各種範疇。





Inspired by the neural filtering function of the human retina, Prof. Chai Yang, Associate Dean (Research) of the Faculty of Science and Professor of the Department of Applied Physics at The Hong Kong Polytechnic University, led a research team to develop a neuromorphic vision sensor that captures, pre-processes and stores images in analogue format.

While conventional sensors used in smart applications seem to respond instantly, most smart applications use a combination of edge and cloud computing. The image sensors have to convert analogue images into digital data first. Then the bulk digital data, including much redundant or irrelevant information such as sensor noise, is amplified and uploaded to a storage centre before being sent to processors for computation.

The transfer and processing of the massive data puts wireless bandwidth and processors under immense strain and causes delays. Therefore, some form of in-sensor or near-sensor computation to simplify and compress the data would be useful to reduce data traffic and enhance processing efficiency.

"It's especially important for applications that need near real-time feedback from cloud processors, such as driverless vehicles, robotics and intelligent manufacturing. Pre-processing images on a sensor like the human retina helps shorten uploading and downloading time, and significantly eases the workload for remote processors to analyse those images," explains Prof. Chai.

The revolutionary sensor developed by Prof. Chai and his team is designed to pre-process images in analogue format, enhance contrast and reduce noise at sensory terminals, and store the image temporarily before exporting the compressed data to external processors in digital format.

The sensor imitates the human retina on various levels. Artificial learning conducted on the sensor replicates the retina's synaptic filtering. Once it has learnt to "see", it can capture images, reduce noise and remove redundant data.

The sensor can temporarily memorise images in a way similar to the afterimage phenomenon we've all experienced. Inspired by the cone and rod cells in the human retina, the sensor is designed with the ability to adjust the sensitivity of the light-sensing units to cope with overly bright or dark scenes, automatically increasing the sensitivity when it's too dark and lowering the sensitivity when it's too bright.

Compared with other sensors without pre-processing, the neuromorphic vision sensor has a higher recognition efficiency, and requires less time and energy for such recognition. This is very useful for many applications, including face recognition and authentication, automatous vehicles, medical visualisation, and industrial manufacturing.

查詢 Enquiry



香港理工大學知識轉移及創業處 Knowledge Transfer and Entrepreneurship Office The Hong Kong Polytechnic University

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## 大灣區

# 調查顯示復甦勢頭不變





### 報告重點

- 指數在第二季度回落至50的中性線, 與宏觀數據吻合
- 各城市和行業的表現不一,預期和信貸 指數表明第三季度將進一步復甦



90%

受訪者表示目前產能仍在國內,顯示 未出現大灣區公司大舉轉移海外情況

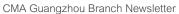
資料來源: 香港貿發局、渣打銀行全球研究部

渣打大灣區營商景氣指數由渣打銀行與香港貿發局合作進行,每一季度,指數報告將集中表現 1,000 多家大灣區商業企業的經營形勢及信用狀況。

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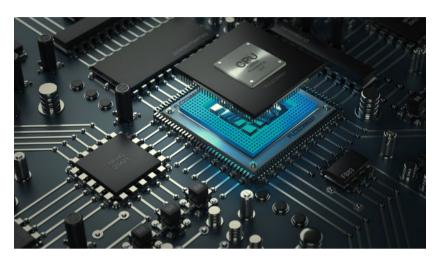
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# 廣東省以製造業為重點促進外資擴增量穩存量提質量

Guangdong Province Focuses on Manufacturing Industry to Promote Increase in Foreign Investment Quantity, Stability in Stock, and Enhancement in Quality



8月3日,廣東省發展改革委等6部門聯合印發《關於以製造業為重點促 進外資擴增量穩存量提質量的若干措施》(下稱《措施》),針對擴增 量、穩存量、提質量三方面提出了17條具體措施。

在擴大外商投資流入方面,《措施》提出,支持外商投資新開放領 域,深入實施新版外資准入負面清單,加快推進製造業領域開放舉措 落地見效;落實基於內地與港澳台之間簽訂的經濟合作協定,推動進 一步擴大對港澳台投資領域開放;符合條件的港澳台居民可辦理固定 資產投資項目備案。

為加大重大平台開放力度,廣東將加快推動深圳建設中國特色社會主 義先行示範區、橫琴粤澳深度合作區放寬市場准入,支持推進廣州南 沙開展市場准入和監管體制機制改革試點,推動在電信、金融、科研 和技術服務等生產性服務業領域實現更大力度的開放;同時,推動廣 東自貿試驗區開展全國首批對接國際高標準經貿規則試點工作。推動 制定自貿試驗區跨境服務貿易負面清單,進一步推進服務業領域擴大 對外開放。

為推動外資項目落地實施,根據《措施》,廣東省將建立省重大外資 項目工作專班機制,依法依規給予項目規劃、用地、環評、能耗等政 策支持,納入省重大外資項目工作專班且總投資10億美元以上的項目 優先推薦列入國家重大外資項目。

在支持外商投資企業發展方面,《措施》還圍繞外國人在粤工作便利 度、加強用工服務保障、加強貨運物流保通保暢、加大知識產權保 護、金融支持等多方面進一步明確支持政策。

《措施》鼓勵外資充分發揮資本和技術優勢,聚焦集成電路、生物醫 藥、新能源、新型儲能、高端基礎零部件、先進材料、人工智能、商 業航天、智慧養老等新賽道產業和未來產業加大投資;對珠三角發達 地區和粵東粵西粵北欠發達地區符合相應條件的先進製造業項目所需 用地由省級指標應保盡保等。

技術合作是廣東吸引外資的重要方式,為進一步發揮協同港澳的重要 優勢,今年7月,廣東和香港正式簽署《關於推進粤港澳大灣區競爭政 策與法律有效實施備忘錄》,將有效引導粤港企業培育公平競爭的合 規文化,有望為外資企業投資廣東創造更多開放條件。

# 歷史的痕跡•科技的啟示—深圳考察之旅

Traces of history and the enlightment of science and technology——Shenzhen Study Tour



廠商會中學公民與社會發展科為中五學生精心策劃以「深圳歷史文化和創新科技之旅」為主題的內地考察於七月圓滿結束。深圳作為一個具有悠久歷史和繁榮發展的城市,為同學提供了豐富的歷史文化遺產和創新科技的展示,藉著這難能可貴的學習機會能更全面認識祖國,亦啟發了他們的創新思維和對祖國的熱愛。

考察旅程由感悟歷史的脈動作為啟始,踏進東江縱隊紀念館恍如置身於中國革命的歷史現場,透過文物、圖片和多媒體展示,同學深入了解東江縱隊在抗日戰爭中的重要貢獻,並對犧牲奉獻的革命先烈表示敬意。同學無不驚嘆於東江縱隊成員即使面臨著極度艱難的條件,仍然堅持抵抗,為了保衛自己的家園和民族尊嚴而奮鬥。同時,東江縱隊於香港的足跡不但令同學銘記先烈犧牲的崇高氣節,更激發起他們對和平抱持和更堅定的信念。

作為Z世代,同學在國家自開放以來得到飛躍發展的背景下成長,能親身踏足以科技創新中心為定位的深圳,更能品味箇中獨特、繁華的魅力。同學走進當代科技的奇妙世界——龍崗科技館,透過不同的互動體驗,深刻體會到科技對社會的影響和改變。迎向構建新發展格局的未來,發展創新科技至關重要,同學有幸隨後到訪國家超級計算深圳中心,目睹國家近年不斷投資研發、培養人才、加強國際合作以推動超算技術的發展,鞏固在人工智慧、大數據、物聯網等領域的領先地位,讓他們對中國在科技領域的崛起感到驕傲。

是次考察猶如一趟穿梭時光之旅,為仍走在追尋未來路上的同學開拓 思維和視野,深深感受到國家的發展得來不易,學懂作為新一代的青 年應具備責任和使命感,除了為國家的傲人成就感到自豪,更需認 真、積極地學習先進的知識,為自己的未來發展奠定堅實基礎,才能 在屬於自己的時代發光發熱,為國家的進步作出更大的貢獻。





In July 2023, the Citizenship and Social Development Department of CMA Secondary School has successfully held the 'Shenzhen's History, Culture and Innovation and Technology Journey' for the Form 5 students. As a city with a long history and prosperity, Shenzhen provides students with a rich historical and cultural heritage and innovative technology display, which offers a valuable learning opportunity for a more comprehensive understanding of their motherland, and at the same time inspires their innovative thinking and love for the motherland.

Stepping into the Dongjiang Column Memorial Hall, students felt like they were at the historical scene of the Chinese revolution. With the cultural relics, pictures and multimedia displays, students developed an in-depth understanding of the important contribution of the Dongjiang Column in the War of Resistance Against Japan, and paid tribute to the revolutionary martyrs who sacrificed their lives. The students were all amazed that the members of the Dongjiang Column faced extremely difficult conditions but still persisted in resisting and fought to defend their homeland and national dignity. At the same time, the footprints of the Dongjiang Column in Hong Kong not only reminded the students of the noble dignity of the martyrs' sacrifice, but also inspired them to have a stronger belief in peace.

As the Generation Z, students have grown up in the context of the country's rapid development since opening up. By personally setting foot in Shenzhen which is positioned as a science and technology innovation center, they can taste the unique and prosperous charm of Shenzhen. Having walked into the wonderful world of contemporary science and technology which is located in Longgang Science and Technology Museum, they deeply experienced the impact and change of scientific technology on society through different interactive experiences. Students were fortunate to visit the National Supercomputing Centre (Shenzhen) to witness the country's continuous investment in research and development, cultivating talents and strengthening international cooperation in order to promote the development of supercomputing technology whilst consolidating its leading position in artificial intelligence, big data, and other fields, which make them proud of China's rise in the field of science and technology.

The visit was like a journey through time, opening up the thinking and horizons for students who are still on the road of pursuing their future. They could deeply experience that the development of the country is not easy to come by, learning that as a new generation of young people, they should have a sense of responsibility and mission. In addition to being proud of the country's proud achievements, there is also a great need to seriously and actively learn advanced knowledge in order to lay a solid foundation for their future development so that they can shine in their own era and make greater contributions to the progress of the country.



文稿提供: 廠商會中學 Article provided by: CMA Secondary Schoo



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#### **Enquiry:**

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# 歡迎 OUR MEMBERS 新會員/ COME!



鍵升(香港)科技有限公司 Jian Sheng (Hong Kong) Technology Co., Limited

代表:施逸廷先生(行政總裁)

產品:電子產品輔料、精密切件、標籤印刷 Representative: Mr Sze Yat Ting (President)

Product: Die-cut/ labeling



二少有限公司 Yee Siu Development Limited

代表:周修侹先生(市場總監)

產品:港式奶茶

Representative: Mr Chau Sau Ting Isaac

(Chief Marketing Officer)

Product: HK milk tea



牛家有限公司 Soup Soup Zen Limited

代表:許楚雲女士(董事)

產品:牛湯包

Representative: Mdm Hui Chor Wan (Director)

Product: Soup



貝可曼國際有限公司 Bakerman International Limited

代表:楊美瑜小姐(執行董事) 產品:烘焙食品生產供應商

Representative: Ms Michelle Yang (Executive Director)

Product: Supplier of bakery products



富億食品貿易公司 Fulll- year Food Products Trading Co.

代表:劉月歡女士(東主)

產品:嚴選純天然無硫草本湯料湯包

Representative: Mdm Lau Yuet Foon Lorreta

(Sole Proprietor)

Product: Strictly selected pure natural sulfur-free

herbal ingredients



悅泰有限公司 Solid Channel Company Limited

代表:曹永强先生(常駐代表)

產品:會展業

Representative: Mr Cao Yongqiang

(Permanent Executive)

Product: Exhibition



美高貿易公司 PMK Trading Co

代表:高曉榮先生(東主)

產品:食品

Representative: Mr Ko Hiu Wing (Proprietor)

Product: Food



上駿國際有限公司 Great Horse International Limited

代表:梁頴雯小姐(董事)

產品:香港家族辦公室信託及企業服務

Representative: Ms Leung Wing Man Connie (Director) Product: Hong Kong family office trust & corporate

services



博譽發展集團有限公司 M & J Business Limited

代表:凌劍榮先生(經理)

產品:目經眼藥水、淨血皇水蛭素

Representative: Mr Ling Kim Wing (Manager)

Product: Eye meridian clear drop, Hirucare natural

hirudian



#### 艾壹數碼有限公司 Aello One Digital Limited

代表:葉佩雯小姐(Marketing Director)

產品:國際品牌及市場推廣和海外市場開拓顧問服務

Representative: Ms Annie Yip

(Marketing Director)

Product: International branding & marketing &

market entry consultant



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最高速度	80 km/h
最大上斜斜度	25%
最大車輛總重量	8500 公斤
電機最大輸出 (峰值/額定)	175 /110 千瓦
電機最大扭矩 (峰值/額定)	2000/1050 牛頓米
續航里程 (C-WTVC)*	>166 km (冷氣運行) 受電弓版 >240 km (冷氣運行) 長續航版
充電標準	Oppcharge 受電弓標準 歐標 (CCS Combo 2)
充電範圍	5分鐘 = ~43公里 (受電弓超快充) 10分鐘 = ~85公里 (插槍式)
充電時間 (10-90%)	受電弓超快充 (~17分鐘) 插槍式 (~34分鐘)
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<sup>\*</sup> 備註: 億達動力科技有限公司保留權利改良產品設計或參數,不作另行通知。

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