



HONG KONG
ICT AWARDS
2019 香港資訊及
通訊科技獎

Student Innovation Award 學生創新獎



Leading
Organiser
籌辦機構

 HKITDA
香港創科發展協會

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Hong Kong ICT Awards 2019: Student Innovation Award

2019 香港資訊及通訊科技獎：學生創新獎

Student Innovation Grand Award 學生創新大獎

32

Student Innovation (Post-Secondary and Undergraduate) Gold Award

學生創新(大專及本科)金獎

City University of Hong Kong (KWONG Hau-shing / CHUNG Wing-lam / LAM Nga-wai)

香港城市大學 (鄒厚承 / 鍾詠霖 / 林雅蔚)

Talktag - NFC Audio Labeler for Visually Impaired/ 語音辨物機

Student Innovation (Post-Graduate) Gold Award 學生創新(研究生)金獎

34

Hong Kong University of Science and Technology

(WU Ao-yu / KU Bon-kyung / TONG Wai / YANG Le-ni)

香港科技大學 (伍翹宇 / 具本暉 / 唐璋 / 楊樂妮)

Pulse of HKUST - A Data-Driven Smart Campus / Pulse of HKUST - 數據驅動智慧校園

Student Innovation (Secondary School) Gold Award 學生創新(中學)金獎

35

Christian Alliance S W Chan Memorial College

(LEE Hok-yin / CHEUNG Chau-kai / WOO Ka-ling / CHAN Wing-yi)

宣道會陳朱素華紀念中學 (李學賢 / 章周啟 / 胡嘉玲 / 陳詠怡)

A.I.CAMe 聽途

Student Innovation (Primary School) Gold Award 學生創新(小學)金獎

36

PLK Dr. Jimmy Wong Chi-Ho (Tin Sum Valley) Primary School

(CHAN Ka-yiu / HO Wing-hong / CHEUNG Sung-yan / LO Tsz-hin)

保良局王賜豪(田心谷)小學 (陳嘉瑤 / 何永康 / 張崇欣 / 盧子軒)

Road Guardian 馬路天使

Student Innovation (Post-Graduate) Silver Award 學生創新(研究生)銀獎

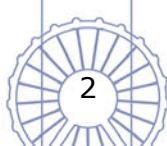
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Hong Kong Polytechnic University (LIANG Dan-lynn) /

The University of Hong Kong (Enoch SIT Chun-yan)

香港理工大學 (梁丹琳) / 香港大學 (薛俊恩)

Everyone's AI 我的 AI



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學生創新(大專及本科)銀獎

City University of Hong Kong (LO Chi-wing / HUNG Kai-chun)

香港城市大學 (盧志榮 / 洪啟晉)

Prosroid : The Wheelchair Training Simulator 電動輪椅駕駛訓練模擬器

Hong Kong University of Science and Technology

(TSUI Cheuk-leong / TSANG Pak-kin / YUEN Lok-haang)

香港科技大學 (徐卓亮 / 曾柏堅 / 袁洛桁)

Finding Mini 小巴到哪兒

Student Innovation (Secondary School) Silver Award 學生創新(中學)銀獎

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Diocesan Girls' School

(Selina KWOK Hiu-lam / LIU Tin-nam / SONG Xiu-xuan / Yannis CHUI Nok-yan)

拔萃女書院 (郭曉霖 / 廖天藍 / 宋修璇 / 徐諾欣)

Language Pop 泡泡樂

Student Innovation (Secondary School) Bronze Award 學生創新(中學)銅獎

41

Christian Alliance S W Chan Memorial College

(WONG Lok-him / Ifan CHEUNG Choi-chun / Fong Ka-ho)

宣道會陳朱素華紀念中學 (黃諾謙 / 張才進 / 方家豪)

Augmented Reality Toy for identifying Early-age school kids with Dyslexia

AR 愛心玩具識別學前讀寫障礙學童

Student Innovation (Primary School) Bronze Award 學生創新(小學)銅獎

42

Po Leung Kuk Lam Man Chan English Primary School (Hui, Sharlene Sum Yin)

保良局林文燦英文小學 (許心絃)

Intelligent Security System with Smart Band and Drone

使用智能手帶及無人機的智能保安系統

Shanghai Alumni Primary School (CHAN Siu-fung / MAN Ho-fung / CHAN Tsz-wai)

滙江小學 (陳肇峰 / 文浩鋒 / 陳芷蕙)

Dripping Detector 冷氣滴水警報器

Student Innovation (Post-Graduate) Certificate of Merit 學生創新(研究生)優異證書

44

The Chinese University of Hong Kong (LU Tao / NIE Wen / PEI Si-qi)

香港中文大學 (盧濤 / 聶穩 / 裴思琦)

DeepGemini / DMAT 智能金融框架

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學生創新(大專及本科)優異證書

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Hong Kong Institute of Vocational Education

(LAM Cheuk-fung / TANG Chun-wo / MAN Chin-pang)

香港專業教育學院（林卓楓 / 鄧震和 / 文展鵬）

Mobile Multi-cam Live Broadcast Solution 基於移動設備多攝像頭直播解決方案

Hong Kong Institute of Vocational Education (Sha Tin)

(NGAI Ka-tung / CHEUNG Kam-hung / LIU Kwan-ting / SHUM Kwan-lam)

香港專業教育學院（沙田）（魏嘉彤 / 張錦鴻 / 廖鈞霆 / 岑昆霖）

Eldventure: Elderly Life Stories Sharing Platform 耆妙歷程

Student Innovation (Secondary School) Certificate of Merit 學生創新(中學)優異證書

Cheung Sha Wan Catholic Secondary School (Godwin WONG Yiu-fung)

長沙灣天主教英文中學（黃耀烽）

BackUp 脊椎健康衣

Christian & Missionary Alliance Sun Kei Secondary School

(CHIANG Cheuk-chi / Cyrus CHAN Hei-yeung / Barney WONG Kwun-pok)

基督教宣道會宣基中學（蔣卓姿 / 陳熙揚 / 黃冠博）

TEXTWIST / 拆白道「字」

Diocesan Girls' School

(Cecilia LAM Sze-yin / Charlotte WONG Loc-heng / LOOI Nga-laam / Tiffany IP Ting-chi)

拔萃女書院（林思彥 / 黃樂恆 / 雷雅嵐 / 葉婷之）

Everyday MusiCare 音樂伴成長

Heung To Secondary School (Tseung Kwan O)

(SUNG Chen-hsin / LOUIE Ho-shun / Tiffany WONG Lo-yi)

將軍澳香島中學（宋禎忻 / 雷灝淳 / 黃露怡）

Smart Minibus and Minibus Stop 智能小巴系統

Pak Kau College (WONG Man-kin / TING Yat-kit / LAM Tszyeung / TSE Ching-lam)

伯裘書院（王文堅 / 丁逸傑 / 林子揚 / 謝靖琳）

Chinese Words in AR 中文卡牌 AR

Tsuen Wan Government Secondary School (NG Pui-hei / CHUNG Hsin-yu)

荃灣官立中學（吳沛熹 / 鍾心瑀）

Elderly Lost Alarm 長者走失警報器

Student Innovation (Primary School) Certificate of Merit 學生創新(小學)優異證書

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Po Leung Kuk Lam Man Chan English Primary School

(CHIA Lok-ye / CHAN Pak-ho / Sharon NG Shu-lam)

保良局林文燦英文小學（車樂頤 / 陳柏澔 / 吳舒霖）

Smart Bus App 巴士通

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G.T. (Ellen Yeung) College

(YIP Chi-chun / Aaron WU / Robben YIU LOK-pan / TSE Chung-lai)

優才(楊殷有娣)書院 (葉滋進 / 胡毅朗 / 饒洛賓 / 謝仲禮)

Smart Shower Head 智能花灑

HKBUAS Wong Kam Fai Secondary and Primary School

(LEE Pak-ku / CHUN Wing-hei / TANG Hau-in / Annie LIU)

香港浸會大學附屬學校王錦輝中小學 (李栢翹 / 秦永希 / 鄧巧妍 / 劉羽真)

Dynamic Hong Kong 動感香港

Hong Kong Taoist Association Wun Tsuen School

(TAGUBA Jairus James Abordo / NUGUIT Dara Eunice San Agustin / ASLAM Tayyaba)

香港道教聯合會雲泉學校

(TAGUBA Jairus James Abordo / NUGUIT Dara Eunice San Agustin / ASLAM Tayyaba)

Power Rangers - Exercise, Charge, Share

Jordan Valley St. Joseph's Catholic Primary School

(CHU Lok-yin / Regis LAW / LIN Ka-him / YU Kin-lun)

佐敦谷聖若瑟天主教小學 (朱洛賢 / 羅泓哲 / 林家謙 / 余健倫)

Granny Smart Pot 聰明藥煲

Jordan Valley St. Joseph's Catholic Primary School

(LEE Ho-lok / NG Kam-fu / LAM Yuen-fei / WEN Shing-yeung)

佐敦谷聖若瑟天主教小學 (李浩樂 / 吳錦富 / 林琬霏 / 溫熳揚)

Xstick 智能柺杖

Sham Tseng Catholic Primary School (CHAU Wing-ku / KWOK Yiu)

深井天主教小學 (周穎翹 / 郭堯)

Automatic Hanging Rack 自動收衫機

Sham Tseng Catholic Primary School

(NG Cheuk-ku / CHAN Chung-man / CHAN Siu-yin)

深井天主教小學 (吳卓蕎 / 陳振民 / 陳肇賢)

Easy Dictation 讀寫必理懂

TWGHs Wong See Sum Primary School (WONG Chun-lam)

東華三院黃士心小學 (王俊霖)

Old Books Exchange System 舊書交換系統

Yan Chai Hospital Choi Hin To Primary School

(TONG Tin-chi / CHEN On-ki / YANG Chi-yuen / LEUNG Wai-ki)

仁濟醫院蔡衍濤小學 (唐天之 / 陳安琪 / 楊志遠 / 梁緯祈)

AI Litter Container 智能垃圾桶

Award Promotion Review 獎項推廣回顧

Student Innovation Award's Innovation 學生創新獎的創新

Introduction of Leading Organiser 籌辦機構簡介

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Student Innovation Award

學生創新獎



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 talents 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 2019. 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.

The Student Innovation Award aims to nurture local students in using their creativity to develop and apply innovative technology for the betterment of our community. For the "Post-Graduate Stream" and "Post-Secondary and Undergraduate Stream", it specially aims to encourage the students in developing prototyping projects on how to ride on innovative technology to deliver a potential solution to a social need. For the "Secondary School Stream" and "Primary School Stream", it specially aims to encourage the students in using their creative ideas and imagination on how to use technologies to build a better world for the next generation.

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。

2019 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所有大獎中甄選出「全年大獎」。

「學生創新獎」宗旨是培養本地學生運用他們的創意，透過研發和應用創新科技令社會變得更美好。對於「研究生組」和「大專及本科組」，特別鼓勵學生在發展雛型項目時，如何利用創新科技提供一個潛在方案解決社會需要。對於「中學組」和「小學組」，特別鼓勵學生運用創意和想像力，學習如何利用科技建立更美好的下一代世界。

Student Innovation Award 學生創新獎



Post-Graduate Stream 研究生組

The Post-Graduate Stream targets to those post-graduate full time students (Master, MPhil, PhD, post-PhD) still engaging in local registered tertiary institutes. The applicant could be an individual or a group of a maximum of four students. The entry must be 100% developed and supervised under the involved tertiary institute in Hong Kong, with at least one staff of the institute taking the supervisory role.

研究生組的對象是正就讀本地註冊大專院校的全日制研究生（碩士、哲學碩士、博士、博士後研究員）。參賽者可以個人名義或最多四人的團體名義報名。參賽作品必須 100% 在本港的大專院校研發和被監督，並至少有一名院校職員擔任監督角色。

Post-Secondary and Undergraduate Stream 大專及本科組

The Post-Secondary and Undergraduate Stream targets to those students (Diploma, Associate Degree, and Bachelor) studying in local registered tertiary and vocational education institutes, including those applicants who have just graduated in the academic year of 2017-2018. The applicant could be an individual or a group of a maximum of four students. The school project must be 100% developed and supervised under the involved institute in Hong Kong, with at least one staff of the institute taking the supervisory role.

大專及本科組的對象是正就讀本地註冊大專院校或職業教育學院的學生（文憑、副學士、學士），包括剛於 2017/18 學年畢業的參賽者。參賽者可以個人名義或最多四人的團體名義報名。參賽作品必須 100% 在本港的院校研發和被監督，並至少有一名院校職員擔任監督角色。

Secondary School Stream 中學組

The Secondary School Stream targets to the secondary school students (F.1-F.6 in academic year of 2018-2019) studying in local registered secondary schools. The applicant could be an individual or a group of a maximum of four students, and the entry should be a 5-page power-point under various STEM topics. Applicant could add more pages to the power-point, prepare a video demonstration or submit a prototype to support the ideas. The application must be signed by the involved ICT teacher-in-charge or school principal to ensure that the content is developed

中學組的對象是正就讀本地註冊中學的學生（於 2018/19 學年就讀中一至中六）。參賽者可以個人名義或最多四人的團體名義報名，參賽作品必須為 5 頁基於不同 STEM 課題的簡報。申請者亦可提交 5 頁以上的簡報、拍攝影片示範或提交雛型支持作品意念。申請必須獲該校的資訊及通訊科技負責老師或校長簽署，確保內容由參與的學生在本地研發。

Primary School Stream 小學組

The Primary School Stream targets to the primary school students (P.1-P.6 in academic year of 2018-2019) studying in local registered primary schools. The applicant could be an individual or a group of a maximum of four students, and the entry should be a 5-page power-point under various STEM topics. The application must be signed by the involved ICT teacher-in-charge or school principal to ensure that the content is developed locally by the participating students.

小學組的對象是正就讀本地註冊小學的學生（於 2018/19 學年就讀小一至小六）。參賽者可以個人名義或最多四人的團體名義報名，參賽作品必須為 5 頁基於不同 STEM 課題的簡報。申請必須獲該校的資訊及通訊科技負責老師或校長簽署，確保內容由參與的學生在本地研發。

Student Innovation Award 學生創新獎



Statistics 統計

Application Received 報名隊伍	401
Students Involved 參與學生	1,023
Number of Schools 參與院校	118
Judges / Assessors 評審人員	98
Judges / Assessors with IT Background 擁有資訊科技背景的評審人員	97 (99%)
Number of Man Days for Adjudication 評審工作日數	12 Days



Message from President and Organising Committee Chairman 會長兼籌委會主席獻辭



HKITDA
香港創科發展協會

Mr Leonard CHAN Tik-yuen
FHKCS FBCS MIEEE
President, HKITDA
Chairman, Organising Committee

陳迪源先生
香港創科發展協會會長
籌備委員會主席



Hong Kong Innovative Technology Development Association (HKITDA) is honoured to be the leading organiser of the "Hong Kong ICT Awards 2019: Student Innovation Award" (Student Innovation Award) for the first time. As the President of HKITDA, and a previous winner of Hong Kong ICT Awards, I am both excited and honored to participate as the Chairman of the Organising Committee of the Student Innovation Award.

Hong Kong ICT Awards is a locally respected and internationally acclaimed annual event of the ICT community. Previous winners have been well recognised and many were nominated to participate international awards. The Student Innovation Award provides an excellent opportunity for students of all levels to demonstrate their remarkable accomplishments, while at the same time serving as a platform to encourage the learning and application of science, technology, engineering, and mathematics (STEM), in both education environment and our society at large. This year, we have selected Grand, Gold, Silver, and Bronze Awards among hundreds of entries from over 100 schools.

This annual Award would not have been successful without support from many parties. I would like to express my heartfelt thanks to the

香港創科發展協會（HKITDA）榮幸地首次成為「2019 香港資訊及通訊科技獎：學生創新獎」（學生創新獎）的主辦單位。作為 HKITDA 的會長及香港資訊及通訊科技獎的得獎者，我很榮幸能夠以學生創新獎籌委會主席的身份再次參與這項盛事。

香港資訊及通訊科技獎是本地科技界備受推崇和國際知名的年度活動。獲獎者除了得到本地業界的認可，許多更被提名參加國際獎項。而學生創新獎則為各級學生提供了一個展示其卓越成果的絕佳機會，同時也為學界和整個社會提供了一個鼓勵學習和應用科學、科技、工程和數學（Science, Technology, Engineering, Mathematics - STEM）的平台。今年，我們在超過一百所學校的數百個參賽作品中選出了大獎、金獎、銀獎和銅獎。

這個年度獎項如果沒有多方的支持是不會成功的。我謹向各評審、最終評審委員會、支持機構、贊助商、政府資訊科技總監辦公室、大會秘書處，以及學生創新獎秘書處表示衷心的致意。我特別要感謝最終評審主席王明鑫先生 SBS JP、副最終評審主席洪爲民教授 JP，以及四位首席組別評審：黃仲翹博士 MH、麥鄧碧儀女士 MH JP、黃金耀博士，和黃健威先生的專業知識和貢獻。

Message from President and Organising Committee Chairman 會長兼籌委會主席獻辭



HKITDA
香港創科發展協會

Mr Leonard CHAN Tik-yuen
FHKCS FBCS MIEEE
President, HKITDA
Chairman, Organising Committee

陳迪源先生
香港創科發展協會會長
籌備委員會主席

Assessors, the Judging Panel, our supporting organisations, sponsors, the Office of the Government Chief Information Officer (OGCIO), as well as the secretariat offices of Hong Kong ICT Awards and Student Innovation Award. In particular, I would like to express our appreciation to Mr. M Y Wong, SBS, JP, Chief Judge, Prof Witman Hung, JP, Deputy Chief, as well as the four Chief Assessors, Dr. CK Wong, MH, Mrs. Agnes Mak, MH, JP, Dr. Jimmy Wong and Mr. Albert Wong for their expertise and contribution.

Last but not least, on behalf of the Council and Members of HKITDA, I wish to express my genuine appreciation to all the participants and to congratulate the winners for their excellent entries; and especially to the schools and institutes for their support of the local ICT community through talent cultivation.

I sincerely trust that Hong Kong's ICT professionals will continue their tireless efforts in advancing the ICT industry and community. I hope that all talented students will continue their journey in ICT industry with their boundless creativity. I look forward to an even greater variety of excellent entries next year.

最後，我謹代表香港創科發展協會理事會和會員，向所有參加者表示衷心的感謝；並祝賀以出色參賽作品獲勝的得獎者，以及通過人才培育為本地業界提供支持的院校。

我真誠地相信香港的資訊及通訊科技專業人士會繼續不懈地推動業界和社會的發展。我希望所有才華橫溢的學生都能以無限的創造力繼續他們在資訊及通訊科技行業的旅程。我期待著明年有更加多出色的參賽作品。



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我們為你帶來 *wow!* 時刻



多達27種問題類型
27 Question Types



快速導出報表至數據分析
軟件及平台
Speedy Data Export To
Data Analysis Tools



完美適配移動端
Mobile Friendly



A.I.邏輯跳題引擎
AI Condition Engine



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<https://www.survey.la/>

你有多少次因一則信息驚呼“Wow！這是新發現”
在信息飽和的今天，我猜可能不多了。
每天無數隨意的信息從四面八方高速涌來，
遇見讓你由衷“Wow！”的信息似乎越來越罕有。
於此同時，及時和相關的情報及消費者洞察對於建立和維繫
一個成功業務的影響不斷提升。區分信息中無用的“噪音”
和有用的“音樂”成為我們每天都不可避免的挑戰。

#達 tagdigital

掃碼關注“達數字方案專家”公眾號



Go Beyond Next-Gen IPS



超越新一代入侵防護 (NGIPS) 的即時偵測、管制與修正

TippingPoint® 產品能與 Deep Discovery™ 進階威脅防護方案整合，透過預防性威脅防範措施、威脅分析與輕重緩急資訊，以及即時的管制與修正，來偵測及攔截針對性攻擊與惡意程式。

- ✓ 即時檢查並攔截內送、外送與橫向移動的網絡流量
- ✓ 利用即時、在線的管制自動化修正含有漏洞的系統來防護網絡
- ✓ 採用機器學習技巧即時進行判斷，立即準確阻止惡意流量

有效

防範所有躲藏技術

高

效能且低延遲

低

整體擁有成本

Student Innovation Award 學生創新獎



Process 流程

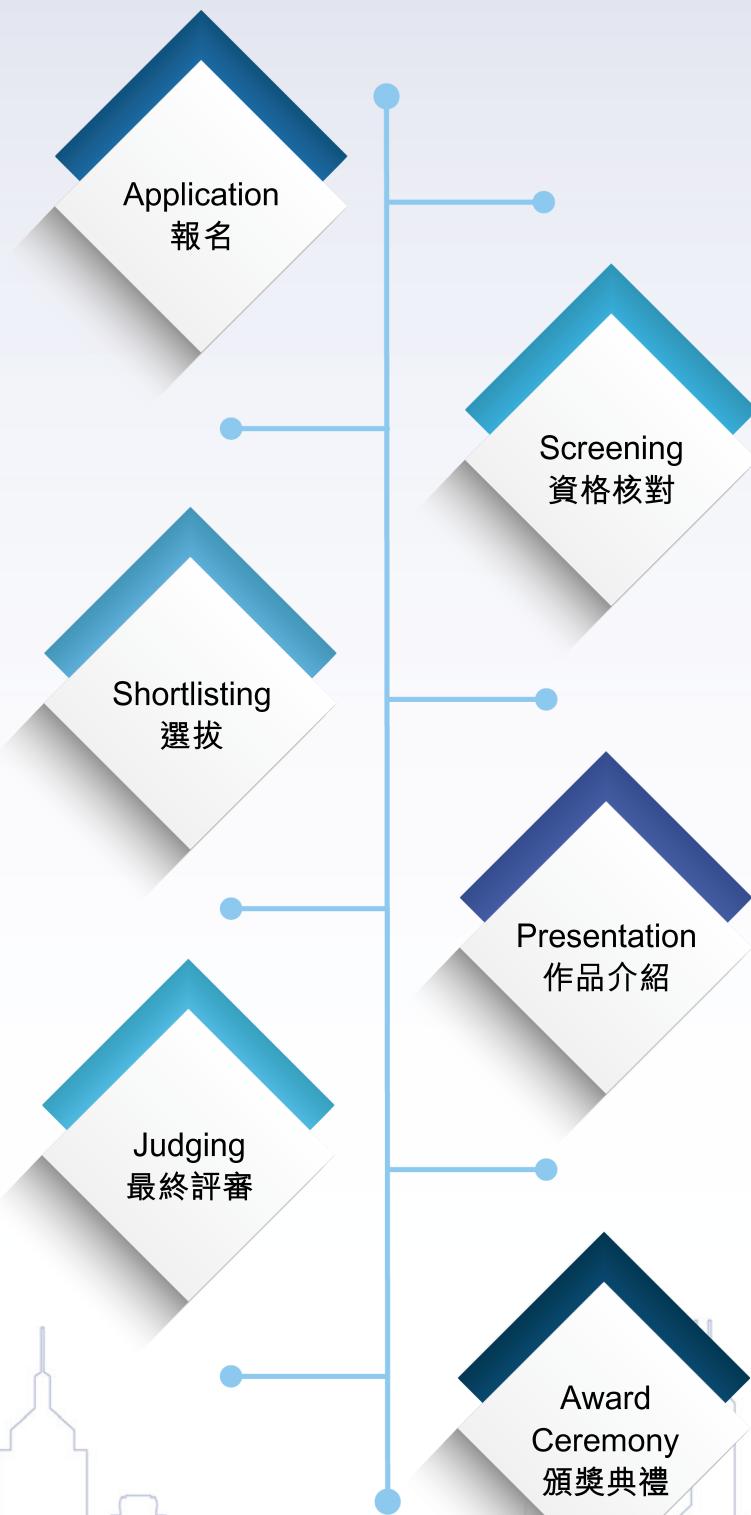
Qualified student teams could applied one of the four award streams.
合資格的學生隊伍可以報名參加四個組別的其中一個。

This year we have received an overwhelming number of entries in Primary School Stream and Secondary School Stream. Instead of paper shortlisting, we organised a team of 40+ assessors leaded by a shortlisting consultant to select entries for next round, achieved better and fairer results.

今年我們收到大量的小學組和中學組參賽作品，於是我們組織了一個由選拔顧問領導的四十多人評審團隊來評選進入下一轮評審的隊伍；而不是單單看報名表格，令比賽更加公平。

11 judges gathered on 3rd March 2019 and selected Student Innovation Grand Award, as well as Gold / Silver / Bronze awards and Certificate of Merits for 4 award streams.

十一名最終評審委員於2019年3月3日聚集在一起，並選出學生創新獎的大獎，以及四個組別的金銀銅獎和優異獎。



A screening supervisor was appointed to work with the secretariat office to verify the eligibility of applications.
我們委任了一名主管與秘書處一同核實申請者符合資格。

Over 60 assessors (consists of professors, experts, educators, entrepreneurs, etc. in many different fields) formed one of the most professional assessment teams in Hong Kong ICT Awards history assessed over 160 entries in 4 full days to help promote entries for the final judging.

超過 60 名評審（由許多不同領域的教授，專家，教育工作者，企業家等組成）組成了香港資訊及通訊科技獎史上最專業的評審團隊之一；他們用了四整天時間從超過 160 多個參賽作品揀選進入最終評審的參賽作品。

The Student Innovation Award Ceremony on 4th April 2019 marked another successful year of Hong Kong ICT Awards. See you next year!

於 2019 年 4 月 4 日舉行的學生創新獎頒獎典禮標誌著香港資訊及通訊科技獎再一次成功舉辦。明年再見！

Student Innovation Award Judging Panel

學生創新獎評審委員會



Chief Judge	Mr WONG Ming-yam, SBS, JP Chairman, Hong Kong Applied Science and Technology Research Institute Company Ltd. 王明鑫先生，SBS，JP
Deputy Chief Judge	Prof Witman HUNG, JP Principal Liaison Officer for Hong Kong, Shenzhen Qianhai Authority 洪為民教授，JP
Judge / Chief Assessor (Post-Graduate)	Dr CK WONG, MH Founder, iASPEC Technologies Group 黃仲翹博士，MH
Judge / Chief Assessor (Post-Secondary and Undergraduate)	Mrs Agnes MAK, MH, JP Executive Director, iPrinciple Ltd. 麥鄧碧儀女士，MH，JP
Judge / Chief Assessor (Secondary School)	Dr Jimmy WONG Centre Director, Hong Kong New Generation Cultural Association Science Innovation Centre 黃金耀博士
Judge / Chief Assessor (Primary School)	Mr Albert WONG Chairman, Association of I.T. Leaders in Education 黃健威先生
Judges	Mr Kenny CHIEN Vice President, Cherrypicks Ltd. 錢國強先生
	Dr Edmund LEE Executive Director, Hong Kong Design Centre 利德裕博士
	Mr Sean LEE Director and CEO, China Mobile Hong Kong 李帆風先生
	Mr Eric YEUNG President, Smart City Consortium 楊全盛先生
	Ir Monde WOO Council Member, The Hong Kong Institute of Engineers 胡鴻章工程師

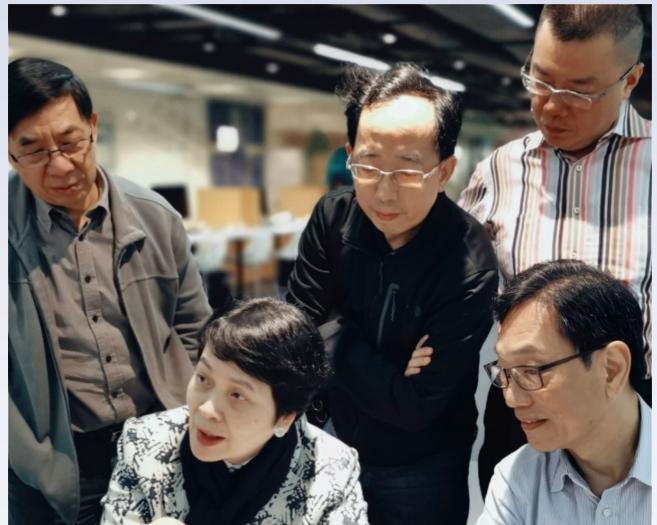
Student Innovation Award Judging Panel 學生創新獎評審委員會



From left to right

Mr Eric YEUNG (楊全盛先生), Mr Kenny CHIEN (錢國強先生), Dr Edmund LEE (利德裕博士), Dr CK Wong, MH (黃仲翹博士, MH), Prof Witman HUNG, JP (洪爲民教授, JP), Mr MY WONG, SBS, JP (王明鑫先生, SBS, JP), Mrs Agnes MAK, MH, JP (麥鄧碧儀女士, MH, JP), Mr Albert WONG (黃健威先生), Dr Jimmy WONG (黃金耀博士), Mr Sean LEE (李帆風先生), Ir Monde WOO (胡鴻章工程師)

Student Innovation Award Shortlisting Meetings Photo Collection 學生創新獎選拔會議照片集



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



HKITDA
香港創科發展協會

Mr WONG Ming-yam, SBS, JP
Chairman of Final Judging Panel

王明鑫先生，SBS，JP
評審委員會主席獻辭



Congratulate to all the winners and participants of the Hong Kong ICT Awards 2019: Student Innovation Award! On behalf of our Judging Panel and Assessment Panel of near 100 members, I can affirm that we have been utterly impressed by the creative ideas and the implementation efforts of the students, no matter they are primary school students, secondary school students, undergraduates or post-graduates. We can see many excellent examples of our local students in using their creative ideas and imagination, and developing prototyping projects on how to ride on innovative technologies to deliver a potential solution to meet a social need.

We well appreciate that a good number of our participants are directing their innovation for those under-privilege groups of the our community, such as visually impaired person, disabled person, elderly, dementia patient, kid with Dyslexia, etc. They engaged good research in understanding those under-privilege person's dignity, difficulty, emotional concerns and economic consideration. Then, they sought for appropriate and innovative technologies to develop solutions in addressing the different problems of those people in need. In light of this observation, we hope that they would keep this heart and passion for the betterment for our community, when they graduate and join in any position in any industry.

祝賀 2019 年香港資訊及通訊科技獎：學生創新獎的所有得獎者及參加者！我在此代表我們近 100 名成員的評審委員會確認，無論是小學生、中學生、大專及本科生，還是研究生，他們的創意和將構想實現的能力都給我們留下了深刻的印象。我們見證了許多優秀的案例，看到本地學生利用他們的創意和想像力開發項目原型，利用創新科技為滿足社會需求提供潛在的解決方案。

我們很欣賞很多參賽者的創新想法是為我們社區中的弱勢群體，如視障人士、殘疾人、老年人、認知障礙症患者、讀寫障礙兒童等提供便利。他們進行了積極研究，去了解弱勢群體在尊嚴、困難、情感和經濟方面的問題和考慮。然後，他們尋求適當和創新的技術來開發解決方案，以解決不同需要的人的不同需求。基於這一個觀察，我們希望當他們畢業後，無論任職於何種行業的何種職位時，都還能保持這份初心和熱情，為我們社會的進步作出貢獻。

為了支持香港資訊科技業的蓬勃發展，我們需要為業界輸入創新、充滿活力和激情的新血。在今年的學生創新獎評審中，我們有信心說我們看到了許多可造之才。下一步將取決於我們業界如何培育這些新血。我們應該為他們提供土壤和平台，幫助他們了解現實社會的情況和最新的資訊科技發展，以及為他們提供機會去實踐如何將我們現在的社會變成一個智慧互聯的城市。

最後，我想藉此機會向所有評審委員會成員表示衷心的感謝，感謝他們抽出寶貴的時間參與 12 天的

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



HKITDA
香港創科發展協會

Mr WONG Ming-yam, SBS, JP
Chairman of Final Judging Panel

王明鑫先生，SBS，JP
評審委員會主席獻辭

To support the growth of our vibrant information technology industry in Hong Kong, we need a good supply of new blood of innovative, energetic and passionate young people. While judging on the Student Innovation Award this year, we are confident to say that we see the supply. The next step would rest on how our industry to nurture and grow our new blood. We should give them the soil and platform to understand the real world practices, the latest information technologies, the chance for them to practice on how to transform our existing community to a smart and connected city.

Last but not least, I take this opportunity to express my sincere thanks to my fellow judges and assessors for their valuable time in attending twelve whole days' assessment exercise in reviewing the over 400 entries. I would also like to thank for the Organising Committee and its members for excellent promotion, recruitment and logistics arrangement. Without their efforts behind the scene, this Award would not be so successful as we can see today.

Let's look forward to seeing more passionate young people growing in Hong Kong, contributing to Hong Kong, and further helping ensure a prosperous future of our country.

評審工作，評審超過 400 個參賽作品。我還要感謝籌委會及其成員出色的宣傳、招募和後勤工作。沒有他們在幕後的努力和耕耘，這個獎項就不會像我們今天看到的那樣成功。

讓我們一起期待看到更多充滿激情的年輕人在香港成長，為香港作出貢獻，為我們的祖國的繁榮未來一起努力。

Student Innovation Award List of Assessors 學生創新獎評審名單



Post-Graduate Stream 研究生組

Chief Assessor	Dr CK WONG, MH	Founder, iASPEC Technologies Group	黃仲翹博士，MH
Assessors	Mr Jack KONG	Investment Director, Hong Kong X	江振鴻先生
	Ir Dr Joseph LEUNG	Academic Director (IT), VTC	梁興邦博士工程師
	Prof Helen MENG	Professor, The Chinese University of Hong Kong	蒙美玲教授
	Ms Claudia XU	Chief Commercial Officer, HKSTP	徐健女士

Post-Secondary and Undergraduate Stream 大專及本科組

Chief Assessor	Mrs Agnes MAK, MH, JP	Executive Director, iPrinciple Ltd.	麥鄧碧儀女士，MH，JP
Assessors	Mr CHAN Sing	CEO, Ekstech Ltd.	陳升先生
	Mr Eddy CHEN	Founder, 陽光網絡	陳龍盛先生
	Mr Lawrence CHENG	Chief Editor, PCM	鄭君任先生
	Ms Bonnie CHUN	Deputy CEO, HKIRC	秦佩文女士
	Mr Joseph KOC	Adjunct Associate Professor HKUST School of Business and Management	郭家麒先生
	Mr Dennis LEE	Vice President, Solutions Consulting KBQuest HK Ltd.	李振強先生
	Dr Wendy LEE	Regional Manager Taiwan, HK & Macau Autodesk Far East Ltd.	李煥明博士
	Mr Moses LEUNG	Assistant Assignment Editor, eZone	梁海成先生
	Mr William LO	CEO, Nutech Ltd.	羅少雄先生
	Mr Rex MA	Co-Founder and Managing Director, iGen6	馬維業先生
	Mr Moses MOYUNG	Investment Director Eagles Fund Hong Kong	慕容志輝先生
	Mr Eric SEE	CEO, Founder GlobalTech Ltd.	施朝陽先生
	Ir Peter SI Kit	Project Manager Engineering Discipline Hong Kong Institute of Vocational Education	施傑工程師
	Ir Ricky WAN	Past Chairman, BCS (HK Section)	尹錦堂工程師

Student Innovation Award List of Assessors

學生創新獎評審名單



Secondary School Stream 中學生組

Chief Assessor	Dr Jimmy WONG	Centre Director, Hong Kong New Generation Cultural Association Science Innovation Centre	黃金耀博士
Deputy Chief Assessors	Mr Jonathan NG Ka-ming Dr Alex LI Tak-ho	Manager-Assessment Development (ICT Subject), HKEAA CEO, BizCONLINE Ltd.	吳家明先生 李德豪博士
Assessors	Ir Tom CHUNG Mr Gary CHENG Dr Ray CHEUNG CC Mr Jason CHOI Chi-fai Mr Peter CHOI Mr HUNG Yam-hei Dr Johnny KWONG Ng-fung Prof King LAI WC Mr Geddy LEE Tak-wai Mr LEI Wing-kuen Mr Bernard LEUNG Mr LEUNG CK Mr Alex LIN Mr Andrew LO Mr Rex MA Mr Ray WONG Ms Yvonne WONG	Secretary, Hong Kong United Youth Science & Technology Association Past Chairman, I.T. People Association of Hong Kong Associate Professor, Department of Electronic Engineering, City University of Hong Kong IT Coordinator and ICT Panel Head, Rhenish Church Pang Hok Ko Memorial College Managing Director, Anchor Point Interactive Ltd. IT and STEM Coordinator, IT Teacher, SKH St. Benedict's School Senior Project Officer, VTC STEM Education Centre Associate Professor, Department of Mechanical and Biomedical Engineering, City University of Hong Kong Senior Lecturer, Hong Kong Institute of Vocational Education (Sha Tin) IT Team Coordinator and ICT Panel Chairperson, Immaculate Heart of Mary College General Manager, Wah Fung Computer Services Ltd. Chairman, EcoTech Professional Association of Hong Kong CEO, Smart Streaming Senior Sales Specialist, IBM (Hong Kong) Co-Founder and Managing Director, iGen6 Managing Partner, Biscosity Ltd. General Manager, Qianhai International Liaison Services Ltd.	鍾一鳴工程師 鄭振華先生 張澤松博士 蔡志輝先生 蔡智文先生 孔任熙先生 鄒伍峰博士 賴偉超教授 李德偉先生 李詠乾先生 梁偉康先生 梁梓健先生 林榮鋒先生 盧子駿先生 馬維業先生 黃永威先生 黃麗芳女士

Student Innovation Award List of Assessors

學生創新獎評審名單



Primary School Stream 小學生組

Chief Assessor	Mr Albert WONG	Chairman, Association of I.T. Leaders in Education	黃健威先生
Assessors	Mr Victor CHAN Mr Kenneth CHAU Ir Tom CHUNG Mr Brian HO Ka-ming Mr HONG Leung-yu Mr KWOK Man-chiu Mr Mark LAM Mr Joseph LAW Mr LI Chun-hin Mr Horace LUK Hoi-wah Mr Zackery NGAN Mr Patrick TANG Mr TONG Kwan-ho Mr WONG Chi-kong Miss WONG Kit-fong Mr WONG Lai-ho Dr Stanley WONG Pak-kwong Ms Elizabeth LAU Ms Candy LIU Ms Josephine TSE	Trading Floor Support, Natixis Hong Kong Branch Past Chairman, TIN-Technology Incubation Network Secretary, Hong Kong United Youth Science & Technology Association Senior Business and Data Analyst, MRC (HRMS) Ltd. IT Co-ordinator, HHCKLA Buddhist Chan Shi Wan Primary School Primary School Master (Curriculum Development) & IT In Charge, C & M A Sun Kei Primary School Founder, CGVisual.com Senior Manager, Our Hong Kong Foundation ICT Panel, W F Joseph Lee Primary School Head of IT and TEKLA, ICT Teacher, Ming Yin College Director, Reliable Success Development Ltd. Chairman, iSTEM Ed Association Lecturer, Hong Kong Institute of Vocational Education (Lee Wai Lee) IT Coordinator and Computer Panel Head, SKH Bishop Mok Sau Tseng Secondary School IT In-Charge, Fung Kai Liu Yun Sum Memorial School PSM(CD) and computer teacher, SKH Kei Yan Primary School Head, Department of Information Technology, Hong Kong Institute of vocational Education (Lee Wai Lee) Executive Editor, SC Kids General Manager, HKC Hengqin FTZ (Hong Kong) Representative Office	陳穎豪先生 鄒健宏先生 鍾一鳴工程師 何家名先生 康亮瑜先生 郭文釗先生 林允田先生 羅民念先生 李駿軒先生 陸鎧華先生 顏子豪先生 鄧文瀚先生 唐鈞豪先生 黃志剛先生 黃潔芳小姐 黃禮灝先生 黃伯光博士 劉美碧女士 廖潔嫻女士 謝嘉恩女士

Student Innovation Award List of Assessors

學生創新獎評審名單



Shortlisting for Primary School Stream and Secondary School Stream

小學組及中學組選拔會議

Mr. Jonathan NG Ka-ming Shortlisting Consultant	Manager-Assessment Development (ICT), HKEAA	吳家明先生
Mr Albert WONG	Chairman, Association of I.T. Leaders in Education	黃健威先生
Mr Kim AU Hoi-kin	Vice Principal & ICT in charge, Pak Kau College	歐海健先生
Ms Rachel CHAN Hiu-mui	Head of E-Learning Committee and Computer Panel Yan Chai Hospital Law Chan Chor Si College	陳曉梅女士
Mr Eric CHAN Yu-kin	Head of ICT and e-Learning, HKCCCU Logos Academy	陳汝堅先生
Mr CHENG Kwok-wai	ICT Teacher, Ho Dao College (Sponsored by Sik Sik Yuen)	鄭國威先生
Mr CHO Ka-on	Mathematics and ICT Teacher, SKH Tsang Shiu Tim Secondary School	曹家安先生
Mr Jason CHOI Chi-fai	IT Coordinator and ICT Panel Head, Rhenish Church Pang Hok Ko Memorial College	蔡志輝先生
Mr CHUNG Fu-yuen	IT Manager and ICT Panel Head, Heung To Middle School (Tin Shui Wai)	鍾富源先生
Mr CHUNG Siu-ming	IT In charge and ICT Panel Head, Lingnan Hang Yee Memorial Secondary School	鍾紹明先生
Mr Chris FUNG Ka-chun	Vice Principal and ICT Development in Charge, Lions Clubs International Ho Tak Sum Primary School	馮家俊先生
Mr William FUNG Wing-ho	Head of IT in Education and ICL/ICT Panel Head, Hong Kong Baptist University Affiliated School Wong Kam Fai Secondary and Primary School	馮穎豪先生
Mr HO Ka-ki	IT Manager and ICT Teacher, S.K.H All Saints' Middle School	何嘉琪先生
Mr HONG Leung-yu	IT Co-ordinator, HHCKLA Buddhist Chan Shi Wan Primary School	康亮瑜先生
Dr Ida HUI Pui-yu	Teacher (ICT), St. Paul's Convent School (Secondary Section)	許珮瑜博士
Mr HUNG Yam-hei	IT and STEM Coordinator, IT Teacher, SKH St. Benedict's School	孔任熙先生
Ms LAU Hau-ming	Curriculum Developer, Tai Po Baptist Public School	劉巧明女士
Mr Eric LAU Hing-yip	Head of Technology Education; IT Co-ordinator, St. Margaret's Co-educational English Secondary and Primary School	劉興業先生
Mr Antonio LEI Wing-kuen	IT Team Coordinator and ICT Panel Chairperson, Immaculate Heart of Mary College	李詠乾先生
Mr Eric LEUNG Yiu-tong	Head of Technology Education, Munsang College (Hong Kong Island)	梁耀棠先生

Student Innovation Award List of Assessors 學生創新獎評審名單



Shortlisting for Primary School Stream and Secondary School Stream 小學組及中學組選拔會議

Mr Andy LI	Vice Principal & ICT Teacher, PLK Dr. Jimmy Wong Chi-Ho (Tin Sum Valley) Primary School	李安迪先生
Mr LI Chun-hin	ICT Panel, W F Joseph Lee Primary School	李駿軒先生
Mr Stephen LI Tien-man	ICT Teacher and Deputy Head of I.T., S.K.H. St. Mary's Church Mok Hing Yiu College	李天民先生
Ms LO Kit-yan	Coordinator of IT, STEM and Innovation, EdUHK Jockey Club Primary School	老潔茵女士
Mr Louis LUI Hang-sum	Assistant Principal and ICT Subject Panel Head, Munsang College	呂恒森先生
Mr Horace LUK Hoi-wah	Head of IT and TEKLA, ICT Teacher, Ming Yin College	陸鎧華先生
Mr William LUK Kin-chung	IT Panel Head and Head of STEAM Ed, HKBUAS Wong Kam Fai Secondary and Primary School	陸建忠先生
Mr James NG Kwun-ming	IT& AV Coordinator / Tech Ed. Coordinator / ICT Panel Chairperson, Lock Tao Secondary School	吳冠明先生
Mr NG Sze-ho	STEM Coordinator & ICT Teacher, St Stephen's College	伍時賀先生
Mr Peter PANG Kin-wah	IT Manager and ICT Teacher, Hong Kong Chinese Women's Club College	彭建華先生
Mr POON Ka-hing	IT Manager and ICT Department Head, Tak Oi Secondary School	潘家興先生
Ms TAM Wai-fan	IT Manager and ICT Teacher, HHCKLA Buddhist Ching Kok Secondary School	譚慧芬女士
Mr TAM Wing-ching	ICT Teacher, Kwun Tong Government Secondary School	譚榮禎先生
Mr Bean TSE Lai-pan	Head of IT in Education Committee, Christ College	謝禮彬先生
Mr WONG Chi-kong	IT Coordinator and Computer Panel Head, SKH Bishop Mok Sau Tseng Secondary School	黃志剛先生
Miss WONG Kit-fong	IT In-Charge, Fung Kai Liu Yun Sum Memorial School	黃潔芳小姐
Mr WONG Kwok-keung	Assistant Principal and ICT Subject Teacher, Tsuen Wan Government Secondary School	黃國強先生
Mr WONG Lai-ho	PSM(CD) and computer teacher, SKH Kei Yan Primary School	黃禮灝先生
Mr WONG Ping-wai	ITC and IT Subject Panel, Toi Shan Association Primary School	黃秉槐先生
Mr WONG Wai	Principal, Caritas Charles Vath College	王偉先生
Mr WONG Yiu-hon	TE KLA Coordinator / ICT Panel Head, Christian Alliance S C Chan Memorial College	黃耀漢先生
Mr YU Yiu-chung	Coordinator of eLearning and ICT Teacher, HKCCCU Logos Academy	余耀忠先生
Mr Patrick YUEN Chik-shing	IT Coordinator and ICT Panel Head, St Stephen's College	源植盛先生

Student Innovation Award Shortlisting Meetings Photo Collection 學生創新獎選拔會議照片集



Student Innovation Award Assessment Day 1 Group Photos 學生創新獎第一天評審合照

Secondary School Stream 中學組



From left to right

Front row: Mr Peter CHOI (蔡智文先生), Mr Andrew LO (盧子駿先生), Dr Johnny KWONG (鄺伍鋒博士), Dr Alex LI Tak-ho (李德豪博士), Mr Jonathan NG Ka-ming (吳家明先生), Mr Rex MA (馬維業先生), Mr Louis LUI Hang-sum (呂恒森先生), Dr Ray CHEUNG CC (張澤松博士)

Back row: Mr WONG Hang-chit (黃衡哲先生), Mr Leonard CHAN Tik-yuen (陳迪源先生)

Primary School Stream 小學組



From left to right

Mr Brian HO Ka-ming (何家名先生), Mr Kenneth CHAU (鄒健宏先生), Mr KWOK Man-chiu (郭文釗先生), Mr Albert WONG (黃健威先生), Mr LI Chun-hin (李駿軒先生), Mr Patrick TANG (鄧文瀚先生), Mr. Mark LAM (林允田), Mr Victor CHAN (陳穎豪先生)

Student Innovation Award Assessment Day 2 Group Photos 學生創新獎第二天評審合照

Secondary School Stream 中學組



From left to right

Front row: Mr Gary CHENG (鄭振華先生), Ir Tom CHUNG (鍾一鳴工程師), Dr Alex LI Tak-ho (李德豪博士),
Mr LEI Wing-kuen (李詠乾先生), Mr Jason CHOI Chi-fai (蔡志輝先生), Mr Ray WONG (黃永威先生)
Back row: Mr WONG Hang-chit (黃衡哲先生)

Primary School Stream 小學組



From left to right

Front row: Mr Joseph LAW (羅民念先生), Mr HONG Leung-yu (康亮瑜先生), Mr. Albert WONG (黃健威先生),
Miss WONG Kit-fong (黃潔芳小姐), Ms Candy LIU (廖潔姍女士)
Back row: Mr Fritz CHIU (招亮輝先生)

Student Innovation Award Assessment Day 3 Group Photos 學生創新獎第三天評審合照

Post-Secondary and Undergraduate Stream 大專及本科組



From left to right

Mr Fritz CHIU (招亮輝先生), Mr Moses MOYUNG (慕容志輝先生), Mr Joseph KOC (郭家麒先生),
Mr Moses LEUNG (梁海成先生), Ir Ricky WAN (尹錦堂工程師), Mrs Agnes MAK (麥鄧碧儀女士),
Mr Eric SEE (施朝陽先生), Mr Eddy CHEN (陳龍盛先生), Ir Peter SI Kit (施傑工程師), Mr Leonard CHAN
Tik-yuen (陳迪源先生)

Secondary School Stream 中學組

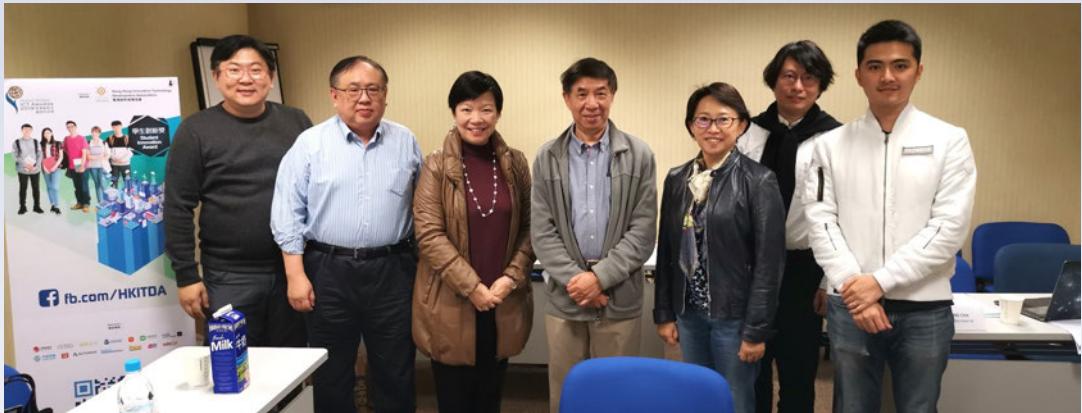


From left to right

Dr Stanley WONG Pak-kwong (黃伯光博士), Mr TONG Kwan-ho (唐鈞豪先生), Mr WONG Hang-chit
(黃衡哲先生), Mr Albert WONG (黃健威先生), Ms Josephine TSE (謝嘉恩女士), Mr Leonard CHAN Tik-yuen
(陳迪源先生), Ms Elizabeth LAU (劉美碧女士), Ir Tom CHUNG (鍾一鳴工程師)

Student Innovation Award Assessment Day 4 Group Photos 學生創新獎第四天評審合照

Post-Graduate Stream 研究生組



From left to right

Mr Leonard CHAN Tik-yuen (陳迪源先生), Ir Dr Joseph LEUNG (梁興邦博士工程師), Prof Helen MENG (蒙美玲教授), Dr CK WONG (黃仲翹博士), Ms Claudia XU (徐健女士), Mr WONG Hang-chit (黃衡哲先生), Mr Jack KONG (江振鴻先生)

Post-Secondary and Undergraduate Stream 大專及本科組



From left to right

Mr Fritz CHIU (招亮輝先生), Mr CHAN Sing (陳升先生), Mr Dennis LEE (李振強先生), Dr. Wendy LEE (李煥明博士), Mrs Agnes MAK (麥鄧碧儀女士), Mr Rex MA (馬維業先生), Mr Lawrence CHENG (鄭君任先生), Ms Bonnie CHUN (秦佩文女士), Mr William LO (羅少雄先生), Mr Leonard CHAN Tik-yuen (陳迪源先生)

Secondary School Stream 中學組



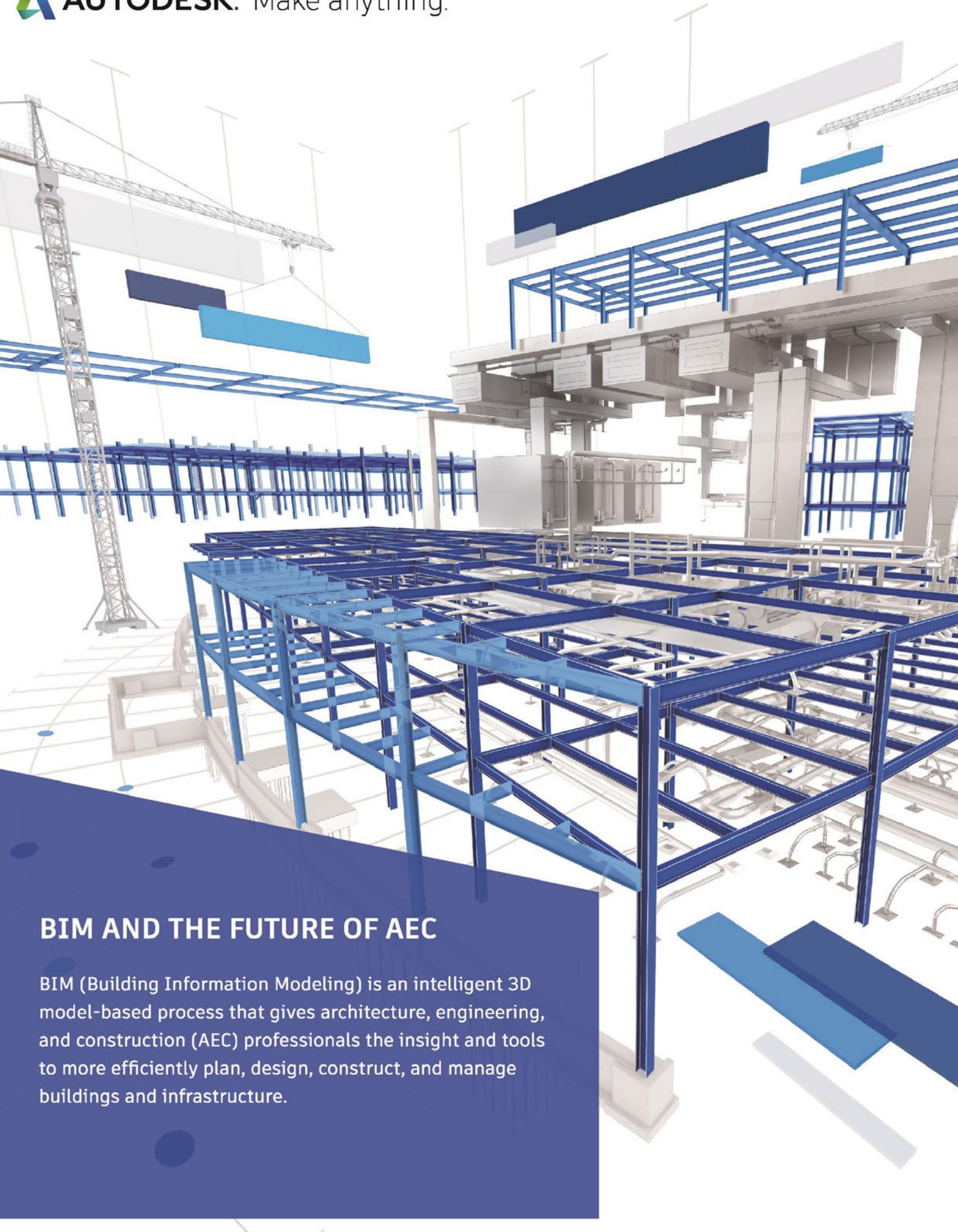
From left to right

Front row: Dr Jimmy WONG (黃金耀博士), Mr Geddy LEE Tak-wai (李德偉先生), Mr LEUNG CK (梁梓健先生), Mr Alex LIN (林榮鋒先生)

Back row: Prof King LAI WC (賴偉超教授), Mr Albert WONG (黃健威先生), Ms Yvonne WONG (黃麗芳女士), Mr Leonard CHAN Tik-yuen (陳迪源先生), Mr Bernard LEUNG (梁偉康先生), Mr WONG Hang-chit (黃衡哲先生)

Student Innovation Award Assessment Photo Collection 學生創新獎評審照片集





BIM AND THE FUTURE OF AEC

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Student Innovation Grand Award and Student Innovation (Post-Secondary and Undergraduate) Gold Award

學生創新大獎 及 學生創新(大專及本科)金獎

**City University of Hong Kong
(KWONG Hau-shing / CHUNG Wing-lam / LAM Nga-wai)**
香港城市大學 (鄺厚承 / 鍾詠霖 / 林雅蔚)

Talktag - NFC Audio Labeler for Visually Impaired 語音辨物機



Student Innovation Grand Award and Student Innovation (Post-Secondary and Undergraduate) Gold Award



學生創新大獎 及 學生創新(大專及本科)金獎

**City University of Hong Kong
(KWONG Hau-shing / CHUNG Wing-lam / LAM Nga-wai)**
香港城市大學（鄺厚承 / 鍾詠霖 / 林雅蔚）

Talktag - NFC Audio Labeler for Visually Impaired 語音辨物機

This is a simple Near-Field Communication (NFC) reading device designed to assist visually impaired persons in identifying objects (and associated reminders) in their day-to-day lives. NFC tags are to be attached on the surface of objects (like card in wallet, box of medicine, jar in kitchen, etc.), and associated voice-clips describing those objects in whatever details would be stored in the device. To identify an object, visually impaired persons can just bring the NFC reader near to the tag, associated voice-clip will be played back to serve the purpose.

這是一款簡單的近距離無線通訊(NFC)閱讀設備，用於輔助有視覺障礙的人士在日常生活中通過語音記錄去辨別物件（及其附帶提示）。用戶先將 NFC 標籤貼在物品的表面（如：錢包中的卡片、藥盒、廚房中的瓶罐等），然後把對應的詳盡描述語音記錄下來。辨別物件時，只要把 NFC 讀設備靠近貼在物品上的標籤，早前記錄下的音頻就會隨即播放。

Comments from Judging Panel 評審委員會評語

With a well-thought design, the device deploys NFC technology and matching of voice-clips (saved in the device) with the NFC tag in providing a practical “recording and identifying” function to visually impaired persons. It smartly uses appropriate and simple technologies and aids the visually impaired community. The applicant has spent good research efforts in obtaining feedback and demand of those visually impaired persons. Factors of easy-of-use, costing and reliability are also well considered. The device should be extended to elderly or dementia patients.

憑藉精心的設計，該設備應用了 NFC 技術，透過（存於設備錄內的）語音片段及 NFC 標籤配對而做到“記錄和辨別”的功能，對於視覺障礙人士是非常實用的。該設備巧妙地使用了合適及簡單的技術，協助視障人士社群。參賽者花了不少努力調查及研究視障人士的需要。另外，設計還考慮周詳，包括產品是否易於使用，價格因素及可靠性等。這一設備應拓展至老年人以及認知障礙症患者。

Student Innovation (Post-Graduate) Gold Award

學生創新(研究生)金獎



Hong Kong University of Science and Technology
(WU Ao-yu / KU Bon-kyung / TONG Wai / YANG Le-ni)
香港科技大學（伍翹宇 / 具本暻 / 唐瑋 / 楊樂妮）

Pulse of HKUST - A Data-Driven Smart Campus

Pulse of HKUST – 數據驅動智慧校園

The entry aims to promote a smart campus through the combined power of IoT devices, big data analytics and visualization. It serves as a data-driven platform to palpate the “pulse” of the campus community such as human crowds, facility availability, and events. The platform automatically senses real-time crowds based on Wi-Fi access logs and CCTV videos, and visualizes crowd distribution and movement appealingly. It further applies big data analytics to derive useful information such as waiting time at bus stops, and utilizes AI techniques to predict crowds with about 91% accuracy. Finally, it communicates those data to the public on various platforms including large-screen displays, Kiosk machines, and mobile websites.



該參賽作品旨在通過物聯網設備，大數據分析和可視化技術的綜合力量來推動智慧校園的建設。它是一個數據驅動的平台，可以觸及校園社區的“脈搏”，如人群、設施可用性和事件。該平台基於 Wi-Fi 接入記錄和閉路電視影像自動感知實時人群，並將人群的分佈和移動可視化。它進一步運用大數據分析來獲取有用信息，例如巴士站的等待時間，利用人工智能技術以約為 91% 的準確率預測人群。最後，它將這些數據通過在各種平台包括大屏幕顯示器，自助服務終端機器和移動網站傳遞給公眾。

Comments from Judging Panel

評審委員會評語

The system smartly collects the various data provided by the university and the real-time data of the WiFi access point available throughout the campus. Then, it analyzes the data and compiles visualization of crowd distribution and other movement data to be shown to students and visitors within the university. This provides better campus experience and higher quality of life to those in the community. The system establishes a good model to demonstrate high level of technological deployment and engagement in a community.

該系統可以智能地採集大學提供的各種數據以及整個校園內可用的 Wi-Fi 接入點的即時數據。然後分析數據並將人群分佈和其他運動數據進行可視化，以展示給大學內的學生和訪客。這為社區中的人們提供了更好的校園體驗和更高的生活品質。該系統建立了一個良好的模型，以展示社區中的高水準科技部署和參與度。

Student Innovation (Secondary School) Gold Award

學生創新(中學)金獎



Christian Alliance S W Chan Memorial College
(LEE Hok-yin / CHEUNG Chau-kai / WOO Ka-ling / CHAN Wing-yi)
宣道會陳朱素華紀念中學 (李學賢 / 章周啟 / 胡嘉玲 / 陳詠怡)

A.I.CAMe 聽途

It is difficult to have a handy tool to support the visually disabled persons to explore the city nowadays. The entry aims to promote a solution for them to explore the city riding on the usage of object recognition, outdoor GPS and emergency calling to family members.



今時今日，我們很難找到一個方便的工具來支持視障人士探索這座城市。該參賽作品旨在通過使用對象識別，戶外 GPS 和緊急呼叫家庭成員等方式，提供一個促進他們探索城市的解決方案。

Comments from Judging Panel 評審委員會評語

The applicant created a mini-device installed on the existing cane for visually disabled persons. The device equips with only one button which is based on the user experience and feedback of a user group. The design and architecture is comprehensive in engaging different appropriate technologies. It is advised that the system should enhance with an adjustable feature and let different user to fine tune the device with the aim to provide more accurate information to the user.

參賽者在現有的手杖上安裝了的迷你裝置為一個視障人士所用。該設備僅配備一個基於用戶體驗和用戶群反饋的按鈕。設計和架構全面且適當地涉及不同領域的技術。建議通過可調節功能增強系統，並讓不同用戶對設備進行微調，以便為用戶提供更準確的信息。

Student Innovation (Primary School) Gold Award

學生創新(小學)金獎



PLK Dr. Jimmy Wong Chi-Ho (Tin Sum Valley) Primary School
(CHAN Ka-yiu / HO Wing-hong / CHEUNG Sung-yan / LO Tsz-hin)
保良局王賜豪(田心谷)小學 (陳嘉瑤 / 何永康 / 張崇欣 / 盧子軒)

Road Guardian 馬路天使

Drunk driving is causing serious damage to the safety of pedestrians, other drivers and the drunk driver himself/herself. Besides preventative education, can other pro-active action to be made for the betterment of the society? The applicant has developed a design of installing an alcohol sensor and a speaker inside the compartment, and a lighting alarm outside the car. Once the alcohol sensor detects the alcohol level to be above certain level, recorded voice would remind the drunk driver to stop, and the outside lighting alarm would be signaled on for other drivers and pedestrians to run away, or report to police.



醉酒駕駛嚴重損害行人、其他司機和醉駕司機本人的安全。除了預防性教育，還可以採取其他積極行動來改善社會嗎？參賽團隊開發了一種在車廂內安裝酒精檢測傳感器和揚聲器，並在車外安裝照明報警器的設計。一旦酒精檢測傳感器檢測到酒精濃度高於一定標準，預先錄製的音頻將提醒醉酒司機停止駕駛，同時車外安裝的外部照明報警器會發出警報，以提醒其他司機和行人逃離，或向警方報告。

Comments from Judging Panel 評審委員會評語

The simple device is focusing on the pedestrians and other drivers, rather than purely on the drunk driver. It cleverly proposes a proactive approach to deal with a serious social problem. For the implementation aspect, the applicant well thinks that the idea should be proposed to market operators, like taxi/bus companies, and even car manufacturers. Then, there is no need to worry on whether drivers accept or not, as it will be a standard feature of the car. If so, there would be many "road guardian" on the road to protect the people from drunk driving.

這個簡單的設備專注於行人和其他司機，而不是純粹針對醉酒司機。它巧妙地提出了一個積極主動的方法來處理一個嚴重的社會問題。對於實施方面，參賽團隊認為應該向市場運營商例如出租車/巴士公司、甚至汽車製造商提出這個想法。然後也無需擔心駕駛員是否接受，因為這將是汽車的標準功能。若真的能實現，那麼路上將會有很多“馬路天使”來保護人們免受醉酒駕駛。

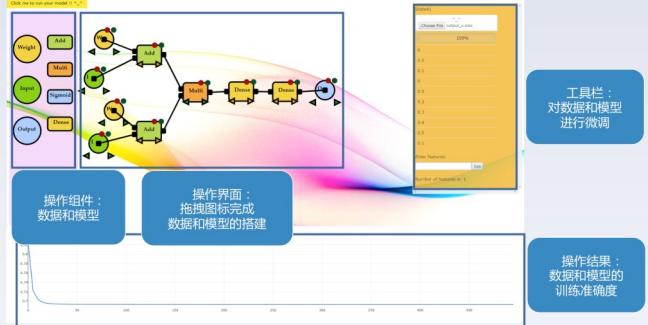
Student Innovation (Post-Graduate) Silver Award 學生創新(研究生)銀獎



Hong Kong Polytechnic University (LIANG Dan-lynn)
The University of Hong Kong (Enoch SIT Chun-yan)
香港理工大學（梁丹琳）/ 香港大學（薛俊恩）

Everyone's AI 我的 AI

AI is a hot topic, but the technical complication would deter some new comers to enter into the circle. This entry aims to create a graphical user interface, in order to simplify the complex coding process in developing AI solution. If so, AI would be made more common, as the users would focus on the idea, rather than too much efforts on the coding.



人工智能是一個熱門話題，但技術上的複雜性會阻止一些新人進入這個圈子。此參賽作品旨在創建圖形化的用戶界面，以簡化開發 AI 解決方案中的複雜編碼過程。如果這樣，人工智能將變得更加普遍，因為用戶會專注於想法，而不是過多的編碼工作。

Comments from Judging Panel 評審委員會評語

The applicant has developed an easy-to-use prototype for learners and technicians who want to understand or apply AI in daily problems. It has already been launched to the academic institutes and factory production lines to collect the feedback for a better version in terms of user-friendliness and easy-to-understand. It is appreciated that if the prototype is successful, the AI deployment in Hong Kong would jump forward for a big step.

該參賽團隊為希望在日常問題中了解或應用人工智能的學習者和技術人員開發了易於使用的原型。它已經被推出到學術機構和工廠生產線收集反饋，以推出在用戶友好度和易於理解度方面都更好的版本。值得讚賞的是，如果原型成功，香港的人工智能部署將向前邁進一大步。

Student Innovation (Post-Secondary and Undergraduate) Silver Award

學生創新(大專及本科)銀獎



City University of Hong Kong (LO Chi-wing / HUNG Kai-chun)
香港城市大學（盧志榮 / 洪啟晉）

Prosroid : The Wheelchair Training Simulator

電動輪椅駕駛訓練模擬器

Named by combining the words of “Prosthetics” and “Android”, the entry provides a wheelchair training simulator for new wheelchair users. In the simulator, user controls a virtual motorized wheelchair with first-person-view and drives on real-life scenarios in Hong Kong. User can experience how difficult it is to deal with situations, like slopes, narrow alleys, getting on and getting off from public transports. Further combined with performance analysis system, user could practice and improve his driving skills under the virtual environment safely, and build confidence before actual outdoor driving.



該參賽作品以“Prosthetics”(假肢)和“Android”(機器人)的組合命名，為新輪椅使用者提供輪椅訓練模擬器。在模擬器中，用戶可以通過第一人稱視角控制虛擬電動輪椅，並在香港的現實場景中駕駛。用戶可以體驗到處理各種情況的困難，例如斜坡、狹窄的小巷、從公共交通工具上落車。進一步結合性能分析系統，用戶可以安全地在虛擬環境下練習和提高駕駛技術，並在實際戶外駕駛前建立信心。

Comments from Judging Panel 評審委員會評語

The entry smartly deploys virtual reality technologies in providing those unlucky new wheelchair users with a safe environment to practice before driving the wheelchair outdoor. To allow the users easily accept the system, besides a number of real-time scenario to be engaged, it is appreciated that the applicant has offered two modes of usage, via wearing VR device or having an immersive practice in a Cave Automatic Virtual Environment. The current co-operation with three rehabilitation centers demonstrates that the entry is on the right direction and would be of value to the rehabilitation community.

該參賽作品巧妙地採用虛擬現實技術，為那些不幸的新輪椅使用者提供安全的環境，讓他們在戶外駕駛輪椅之前進行練習。為了幫助用戶容易地接受系統，除了需要參與許多實時場景之外，我們很欣賞參賽團隊提供兩種使用模式，即通過佩戴 VR 設備；或者在洞穴式自動虛擬環境 (Cave Automatic Virtual Environment) 中進行沉浸式練習。目前與三個康復中心的合作表明，這一參賽作品是在正確的方向，並且對康復社區有價值。

Student Innovation (Post-Secondary and Undergraduate) Silver Award

學生創新(大專及本科)銀獎



Hong Kong University of Science and Technology
(TSUI Cheuk-leong / TSANG Pak-kin / YUEN Lok-haang)
香港科技大學（徐卓亮 / 曾柏堅 / 袁洛桁）

Finding Mini 小巴到哪兒

Although estimated time of arrival (ETA) is offered in public bus, similar service is not provided in the minibus industry yet. The applicant has developed a trial version of the system, and implemented in the HKUST minibus route in Jan 2019. The system consists of 3 parts. First, a device is installed on minibus to extract instant location data and travelling speed and location intervals. Second, the real-time travelling data will be transmitted to the cloud for calculating the ETA. Third, the computed result will be displayed on the end-user mobile App.



雖然公共巴士提供預計到達時間 (ETA)，但小巴行業尚未提供類似服務。參賽團隊已開發出系統的試用版，並於 2019 年 1 月在香港科技大學的小巴路線上實施。該系統由 3 部分組成。首先，在小巴上安裝一個設備，以提取即時位置數據、行駛速度和位置間隔。其次，實時行駛數據將被傳輸到雲端以計算預計到達時間。第三，計算結果將顯示在最終用戶的移動應用程序上。

Comments from Judging Panel 評審委員會評語

The applicant cleverly uses appropriate technologies to cover different part of the workflow, and engages own algorithm in calculating the ETA and other performance indicators. Throughout the trial version, the applicant solved those technical difficulty in actual implementation, which is always overlooked by student projects. The involved minibus operator was happy with the trial version and referred this success case to the Transport Department. This referral well demonstrates the practicality of the system. It may further pave a road for the system to other minibus, school bus, or estate-owned bus operators in Hong Kong.

參賽者巧妙地使用適當的技術來涵蓋工作流程的不同部分，並使用自己的算法來計算 ETA 和其他表現指標。在整個試用版中，參賽者解決了實際使用中的技術難題，這是學生項目經常忽視的困難。涉及的小巴經營者對試用版本感到滿意，並將此成功案例轉介給運輸署。該推薦很好地證明了該系統的實用性。它可能進一步為香港的其他小巴，校車或地產巴士運營商鋪平道路。

Student Innovation (Secondary School) Silver Award

學生創新(中學)銀獎



Diocesan Girls' School
(Selina KWOK Hiu-lam / LIU Tin-nam / SONG Xiu-xuan / Yannis CHUI Nok-yan)
拔萃女書院 (郭曉霖 / 廖天藍 / 宋修璇 / 徐諾欣)

Language Pop 泡泡樂

Many people are not interested in learning Putonghua in Hong Kong and thus they are lack of proficiency in Putonghua. The entry aims to develop an App that can raise users' interest in learning not only Putonghua and but also other languages. The entry is incorporated with foreign languages pop-music that appeals to teenagers as edutainment.



在香港，很多人對學習普通話不感興趣，因而對普通話不够熟練。該參賽作品旨在開發一個應用程序，可以提高用戶學習普通話以及其他語言的興趣。該參賽作品將外語流行音樂融入進來，使得青少年可以寓教於樂。

Comments from Judging Panel 評審委員會評語

The App is attractive and creative while integrating game element and pronunciation components of different languages such as Putonghua, Japanese and Korean. However, the current game is limited to the wording of the lyrics already recorded in the system. Hence, in the future, it is suggested to randomly pick up some wording from the lyrics and even randomly select some songs from the database. Also, evaluation system should be included for evaluating the learning progress of the users.

該應用程序具有吸引力和創造性，同時集成了遊戲元素和不同語言的發音元素，如普通話，日語和韓語等。然而，當前遊戲僅限於已經記錄在系統中的歌詞的表達方式。因此，在將來，建議從歌詞中隨機選取一些詞句，甚至從數據庫中隨機選擇一些歌曲。此外，還應包括評估系統，以評估用戶的學習進度。

Student Innovation (Secondary School) Bronze Award

學生創新(中學)銅獎

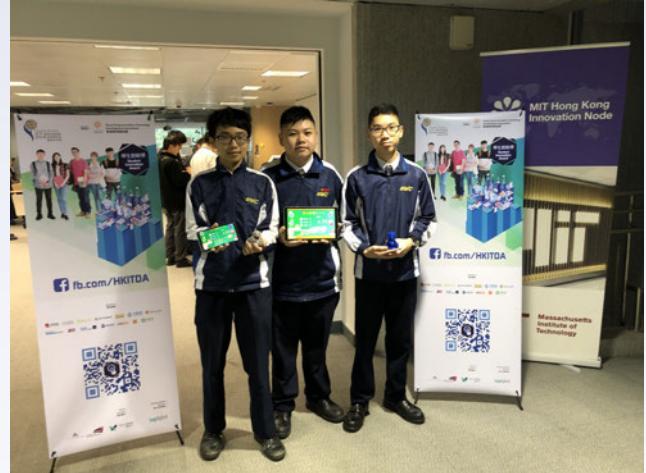


**Christian Alliance S W Chan Memorial College
(WONG Lok-him / Ifan CHEUNG Choi-chun / FONG Ka-ho)**
宣道會陳朱素華紀念中學 (黃諾謙 / 張才進 / 方家豪)

Augmented Reality Toy for identifying Early-age school kids with Dyslexia

AR 愛心玩具識別學前讀寫障礙學童

There are over 20,000 children suffered with Dyslexia in Hong Kong. According to the record, most of the Dyslexia cases are found out while they are studying in Primary 3. It means that the current evaluation approach cannot find out those problematic child from the lower grade of primary school. The entry aims to focus on the "Mirror Wording" problem, one of the characteristics in Dyslexia, and provide evaluation on children studying in the lower grade of primary school.



在香港有超過 2 萬名兒童患有讀寫障礙。根據記錄，大多數讀寫障礙病例是在小學三年級學習期間被發現的。這意味著目前的評估方法無法找到低年級有問題的孩子。該參賽作品旨在關注“鏡像書寫（Mirror Wording）”的問題，這是讀寫障礙症的特徵之一，並為正處在小學低年級學習的兒童提供評估。

Comments from Judging Panel 評審委員會評語

The entry consists of an App, 3D models with AR game scene. The result of the system shows out a preliminary test for the children who may suffer with Dyslexia. However, since the 3D models are attractive to the children, it may distract some children to focus on playing the 3D models, instead of taking the test via the App. The applicant has indicated they would consider a more balance between these two points.

該參賽作品包括一個 App，帶有 AR 遊戲場景的 3D 模型。該系統的結果顯示了可能患有讀寫障礙的兒童的初步測試。不過，由於 3D 模型對孩子們很有吸引力，它可能會分散一些孩子的注意力，使他們專注於玩 3D 模型，而不是通過 App 進行測試。參賽團隊表示他們會考慮在這兩點之間取得更多平衡。

Student Innovation (Primary School) Bronze Award 學生創新(小學)銅獎



Po Leung Kuk Lam Man Chan English Primary School (Hui, Sharlene Sum Yin)
保良局林文燦英文小學（許心絃）

Intelligent Security System with Smart Band and Drone 使用智能手帶及無人機的 智能保安系統

In a hit-and-run jewelry shop robbery crime, the staff is threatened not to press any alarm button, and the thieves will run away long before policeman arrive. Any way to solve the problem? The applicant proposes the staff to wear on smart band. Once robbery occurs, the staff's heart rate and blood pressure will increase, a combined signal will be issued silently to the central office. The CCTV related to the shop will be alerted, and the staff will use the CCTV to confirm whether it is a real robbery case. Then the central office can trigger a drone, installed outside the shop, to get off and chase the thieves right after they leave the shop and report the chasing video clip to the police.



在一個肇事逃逸的珠寶店搶劫犯罪中，工作人員受到威脅不可以按任何警報按鈕，劫匪早在警察到達之前就會逃跑。這問題有什麼方法可以解決嗎？參賽者建議員工戴上智能手環。一旦搶劫發生，工作人員的心率和血壓就會升高，一個組合的信號將默默地發給中央辦公室。與商店相關的閉路電視將會發出警報，提示工作人員使用閉路電視確認這是否是真正的搶劫案。然後，中央辦公室可以觸發安裝在商店外面的無人機，在劫匪離開商店後立即追蹤，並向警方報告追逐中錄製的視頻片段。

Comments from Judging Panel 評審委員會評語

The design smartly engages available and appropriate technologies and cleverly integrates the technologies into a solution to deal with hit-and-run robbery crimes. It is appreciated that the applicant has placed comprehensive consideration to the whole process: smart band for silent alerting, CCTV to confirm false-alarm, and drone for thieves chasing. When asked the cost of installation, the applicant indicates that a central office can handle hundreds of CCTV monitoring and a drone can serve for one street. Also, an interesting signage of "Drone Guarded 本店有無人機守衛" can even deter robbers.

該設計巧妙地採用現有和適當的技術，智慧地將這些技術整合到一個解決方案中，以應對肇事逃逸的搶劫犯罪。我們很欣賞的是參賽者已經全面考慮了整個過程：用於靜音警報的智能手環，用於確認虛警的閉路電視以及用於追逐劫匪的無人機。當被問及安裝費用時，參賽者表示中央辦公室可以處理數百個閉路電視監控，無人機可以服務於一條街道。此外，一個有趣的標誌“Drone Guarded 本店有無人機守衛”甚至可以讓劫匪打消犯罪念頭。

Student Innovation (Primary School) Bronze Award

學生創新(小學)銅獎



Shanghai Alumni Primary School (CHAN Siu-fung / MAN Ho-fung / CHAN Tsz-wai)
滬江小學（陳肇峰 / 文浩鋒 / 陳芷蕙）

Dripping Detector 冷氣滴水警報器

Dripping from air-conditioners is a pain point in daily lives of the community, which will cause trouble to neighbor and the unit owner. Can a simple device correctly alert the unit owner for any dripping from his/her air-conditioners? The applicant proposes to install two copper strips in the bottom basin of the air-conditioner, and a water detector on top of the air-conditioner. If the top water detector is off (means no rain), and the water level in the bottom basin is rising to the level in covering both copper strips, it could conclude that there is dripping from the air-conditioner.



冷氣滴水是社區日常生活中的一個痛點，給鄰居和業主帶來麻煩。能有一個簡單的設備去正確地提醒業主的冷氣是否在滴水嗎？參賽團隊建議在冷氣的底盆中安裝兩個銅帶，在冷氣的頂部安裝一個滴水檢測器。如果頂部水檢測器無反應（意味著沒有下雨），同時底部水池中的水位上升到覆蓋兩個銅條的水平，則可以得出冷氣有滴水的結論。

Comments from Judging Panel 評審委員會評語

The device is using available technologies and can be installed easily. But it actually addresses a daily household problem. The applicant well thinks over the possibility of false alarm (like raining), and thus install another set of dripping detector(s) on top of the air-conditioner to avoid such situation. The applicant further indicates that if more than 30% of the units of the building have installed the device, a centralized rain detector can be installed on the roof of the building, so as to save overall costs of installation and also increase the accuracy of rain detection. It is appreciated that the applicant has a comprehensive consideration to the whole case.

該設備採用可行技術，安裝簡易。但它實際的解決了一個日常家庭問題。參賽團隊很好地考慮了誤報（如下雨）的可能性，因此在冷氣器頂部安裝了另一組滴水檢測器以避免這種情況。參賽團隊進一步指出，如果建築物中超過 30% 的單位安裝了該裝置，則可以在建築物的屋頂上安裝集中式雨水探測器，以節省總體安裝成本並提高雨水檢測的準確性。我們很欣賞參賽團隊對整個情況都有全面的考量。

Student Innovation (Post-Graduate) Certificate of Merit

學生創新(研究生)優異證書



The Chinese University of Hong Kong (LU Tao / NIE Wen / PEI Si-qi)
香港中文大學 (盧濤 / 聶穩 / 裴思琦)

DeepGemini DMAT 智能金融框架

Investment is a difficult subject to someone who do not well understand the operation and the process of the financial market. The entry aims to provide a training and simulation platform, with the data collected from overseas platforms, for the user to understand the current market situation and the risk listed in a financial reports. It is designed to help financial institutions to apply artificial intelligence and deep learning technologies to analyze the financial markets.



對於不太了解金融市場運作和流程的人來說，投資是一項難題。該參賽作品旨在提供一個培訓和模擬的平台，從海外平臺收集數據，以便用戶了解當前的市場情況和財務報告中列出的風險。它旨在幫助金融機構運用人工智能和深度學習技術來分析金融市場。

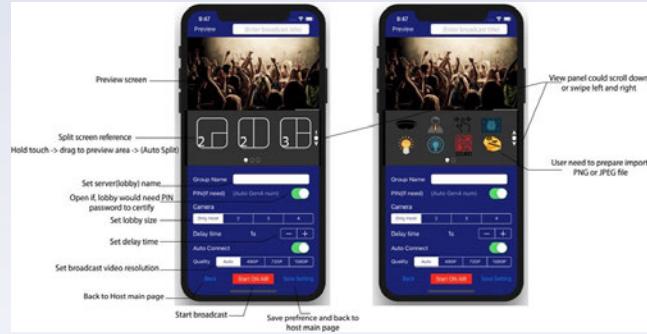
Student Innovation (Post-Secondary and Undergraduate) Certificate of Merit 學生創新(大專及本科)優異證書



Hong Kong Institute of Vocational Education (LAM Cheuk-fung / TANG Chun-wo / MAN Chin-pang)
香港專業教育學院（林卓楓 / 鄧震和 / 文展鵬）

Mobile Multi-cam Live Broadcast Solution 基於移動設備多攝像頭直播解決方案

Nowadays, live-broadcasting is a common activity and hobby for youngsters. However, multi-camera application with some broadcasting operations on live-stream video can only be handled by professional broadcasting entities. The entry provides a solution to deal with this emerging user requirement. The system engages multiple devices acting as multi-camera. The devices are then connected to a Host Mobile under the same Wifi network (or pocket Wifi device for outdoor activity). The Host Mobile could add on some functions, such as audio control, source video manipulation, editing effect, etc. After that, the Host Mobile can feed the edited video to external application, such as Facebook, YouTube, etc., for live broadcasting.



如今，現場直播是青少年的共同活動和愛好。然而，在直播視頻上具有一些直播操作的多攝像頭應用只能由專業廣播單位處理。該參賽作品提供了解決這一新興用戶需求的解決方案，該系統使用多個的設備充當多攝像頭，然後將設備連接到同一 Wifi 網絡下的主機移動設備（或用於戶外活動的便攜式 Wifi 設備）。主機移動設備可以添加一些功能，例如音頻控制、源視頻操作、編輯效果等。之後，主機移動設備可以將編輯過的視頻發送到外部應用程序，例如 Facebook，YouTube 等，用於直播。

Hong Kong Institute of Vocational Education (Sha Tin)
(NGAI Ka-tung / CHEUNG Kam-hung / LIU Kwan-ting / SHUM Kwan-lam)
香港專業教育學院（沙田）
(魏嘉彤 / 張錦鴻 / 廖鈞霆 / 岑昆霖)

Eldventure: Elderly Life Stories Sharing Platform 耆妙歷程

The entry is an intergenerational project which aims to connect younger and older generations through a digital life story-telling platform. First, the platform is embedded with voice dictation function which turns audio-recorded stories into texts and supports different dialect identification. Second, the young and the old work together to assist the old to publish their life stories on the platform. Some of the stories may focus on traditional culture, value, wisdom or knowledge, which is valuable to retain and pass to the next generation. Supported by AI-powered Chinese dialect translation, more public is encouraged to share the valuable stories and the fun.



該項目是一個代際項目，旨在通過數字生活故事講述平台連接年輕一代和老年一代。首先，該平臺嵌入了語音聽寫功能，將錄音故事轉換為文本，並支持不同的方言識別。其次，年輕人和老人一起協助老人在平臺上發布他們的人生故事。有些故事可能集中在傳統文化，價值觀，智慧或知識上，這對於保留和傳承給下一代是有價值的。在人工智能中文方言翻譯的支持下，鼓勵更多的公眾分享有價值的故事和樂趣。

Student Innovation (Secondary School) Certificate of Merit

學生創新(中學)優異證書



Cheung Sha Wan Catholic Secondary School (Godwin WONG Yiu-fung)
長沙灣天主教英文中學 (黃耀烽)

BackUp 脊椎健康衣

Around 6% of the population suffers from spinal health problems. It is further noted that around 50% of children has a high risk to suffer from these problems. The entry proposes to build up an array of sensors embedded inside the clothes in monitoring the body posture. The aim is to warn the users that their gesture may cause spinal health problems and remind them to engage a correct body posture.



大約 6% 的人口患有脊柱健康問題，還要注意的是，大約 50% 的兒童患有這些問題的風險很高。該參賽作品建議在衣服內部建立一系列感測器，以監測身體姿勢。目的是警告使用者他們的姿態可能導致脊柱健康問題，並提醒他們採取正確的身體姿勢。

Christian & Missionary Alliance Sun Kei Secondary School
(CHIANG Cheuk-chi / Cyrus CHAN Hei-yeung / Barney WONG Kwun-pok)
基督教宣道會宣基中學 (蔣卓姿 / 陳熙揚 / 黃冠博)

TEXTWIST 拆白道「字」

The research found out that around 10-12% children suffers from Dyslexia. The entry proposes to develop a game to facilitate children to understand the Chinese characters structure and the meaning of the characters. The game is delivered via telling short stories about the characters or words in order to enhance the learning progress and the interest of the children.



研究發現，大約 10-12% 的兒童患有閱讀障礙症。該參賽作品建議開發一種遊戲，以幫助兒童了解漢字結構和字的意義。通過講述有關字或詞語的短篇故事來增強學習的進度和兒童的興趣。

Student Innovation (Secondary School) Certificate of Merit

學生創新(中學)優異證書



Diocesan Girls' School

(Cecilia LAM Sze-yin / Charlotte WONG Loc-heng / LOOI Nga-laam / Tiffany IP Ting-chi)

拔萃女書院 (林思彥 / 黃樂恆 / 雷雅嵐 / 葉婷之)

Everyday MusiCare 音樂伴成長

Music therapy is one of the most effective therapy programs for supporting the needs of Special Education Needs (SEN) students, since music is an ideal tool for communicating with the children. The entry proposes to develop some easy-to-follow music activities in order to achieve the healthy growth and development of the children and enhance communication among children, family members and teachers. The score coming from the system would help the therapists to understand the children's situation during the consultation process.



音樂療法是支持特殊教育需求 (SEN) 學生需求的最有效的治療方案之一，因為音樂是與孩子交流的理想工具。該參賽作品旨在開展一些易於跟從的音樂活動，以實現孩子的健康成長和發展，並加強兒童、家人和老師之間的溝通。系統生成的分數將有助於治療師在諮詢過程中瞭解孩子的情況。

**Heung To Secondary School (Tseung Kwan O)
(SUNG Chen-hsin / LOUIE Ho-shun / Tiffany WONG Lo-yi)**

將軍澳香島中學 (宋禎忻 / 雷灝淳 / 黃露怡)

Smart Minibus and Minibus Stop 智能小巴系統

While passengers do not know how many seats available in the coming mini-bus, the mini-bus operators also do not know the current occupancy of the mini-bus within the mini-bus route. The situation is worse during the rush hours. The entry proposes to install counting sensors in each of the mini-bus stops to count the exact number of passengers waiting in the queue. The real-time data is feed back to the central database, so that the mini-bus operators would have a clearer picture on how to rearrange the mini-buses and inform the passengers about the availability of the coming mini-bus.



在乘客不會知道即將到來的小巴有多少座位的同時，小巴運營商也不會知道小巴路線內目前的小巴佔用率。高峰期間這種情況更糟。該參賽作品建議在每個小巴站安裝計數感測器，以計算排隊等候的確切乘客人數。實時數據會反饋到中央數據庫，以便小巴運營商能夠更清楚地瞭解如何重新安排小巴，並告知乘客即將到來的小巴會有多少空位可用。

Student Innovation (Secondary School) Certificate of Merit

學生創新(中學)優異證書



Pak Kau College
(WONG Man-kin / TING Yat-kit / LAM Tsz-yeung / TSE Ching-lam)
伯裘書院（王文堅 / 丁逸傑 / 林子揚 / 謝靖琳）

Chinese Words in AR 中文卡牌 AR

Traditional Chinese Character is one of the most difficult language to read and write, especially from the angle of the children suffered with Dyslexia. The entry provides a set of 3D-printed Chinese Characters and Chinese Character name cards. With support of the mobile App, users can scan the characters and obtain the meaning of the Chinese Characters.



繁體中文是最難讀寫的語言之一，尤其是對於患有讀寫障礙的孩子來說。該參賽作品提供了一組 3D 打印的漢字和漢字名片。通過移動應用程序的支持，用戶可以掃描漢字並獲取漢字的含義。

Tsuen Wan Government Secondary School (NG Pui-hei / CHUNG Hsin-yu) 荃灣官立中學（吳沛熹 / 鍾心瑀）

Elderly Lost Alarm 長者走失警報器

5%-8% of 65 years old or above group and 30% of 80 years old or above group have Elderly Dementia. They may get lost in the street suddenly and forget how to contact their family for help. The entry aims to provide a simple but practical solution for the elderly to locate their position and send signal to their family members in finding the elderly and escorting them home.



65 歲以上人群中 5%-8% 及 80 歲以上人群中 30% 患有腦退化症。他們可能會突然在街上迷路，忘記如何聯繫家人尋求幫助。該參賽作品旨在為老年人提供一個簡單但實用的解決方案，用以找到他們的位置並向他們的家人發送信號，以便找到老人並護送他們回家。

Student Innovation (Primary School) Certificate of Merit

學生創新(小學)優異證書



Po Leung Kuk Lam Man Chan English Primary School
(CHIA Lok-ye / CHAN Pak-ho / Sharon NG Shu-lam)
保良局林文燦英文小學
(車樂頤 / 陳柏澔 / 吳舒霖)

Smart Bus App 巴士通

It is difficult for a visual-impaired person to know whether the coming bus is the one that he/she wants to get on. When getting on the bus, it is difficult for him/her to know where any empty seat is. Although other people can do help, can the visual-impaired person do it by himself/herself? The applicant proposes to develop a mobile App in using GPS and bus-company's real time data to voice out whether the coming bus is that selected by him/her. Making use of sensors installed in front of and also under the seats of the bus, voice can be made to direct him/her to the empty seat. Also, the App would remind him/her to get off the bus when arriving the destination.



視力障礙者很難知道即將到來的巴士是否是他/她想要乘坐的巴士。上車時，他/她很難知道空座位在哪裡。雖然其他人可以提供幫助，但視力障礙者可以靠自己嗎？參賽團隊建議開發一個移動應用程式，使用GPS和巴士公司的實時數據來播報即將到來的巴士車是否是他/她要乘坐的。利用安裝在巴士車座椅前方和下方的傳感器，可以發出聲音將他/她引導到空座位。此外，應用程式會提醒他/她在到達目的地時下車。

G.T. (Ellen Yeung) College
(YIP Chi-chun / Aaron WU / Robben YIU LOK-pan / TSE Chung-lai)
優才(楊殷有娣)書院 (葉滋進 / 胡毅朗 / 饒洛賓 / 謝仲禮)

Smart Shower Head 智能花灑

For protecting the valuable source of water, the entry proposes a sensor to be installed in the shower head. When a person standing under the shower head moves a step away from the shower head, the water output would be reduced by 80%. When the person moves back under the shower head, the water output will be resumed normally. Moreover, when the showering is over 5 minutes, an alarm will be signaled on to remind the person to save more water.



為了保護珍貴的水資源，該參賽作品提出了一種安裝在淋浴頭中的傳感器。當站在淋浴頭下方的人離開淋浴頭一步時，水流將減少80%。當人回到淋浴頭下方時，水流將恢復正常。此外，當淋浴超過5分鐘，將發出警報以提醒該人節省更多水。

Student Innovation (Primary School) Certificate of Merit

學生創新(小學)優異證書



**HKBUAS Wong Kam Fai Secondary and Primary School
(LEE Pak-kiu / CHUN Wing-hei / TANG Hau-in / Annie LIU)**
香港浸會大學附屬學校王錦輝中小學
(李栢翹 / 秦永希 / 鄧巧妍 / 劉羽真)

Dynamic Hong Kong 動感香港

To provide visitors with a dynamic impression of Hong Kong in a funny way, the entry proposes to use two motion sensors placed on the left and right wrists of an user. When making different actions, the user can remotely control different parts of the exhibits, with the effect to show firework over Victoria Harbor, lion dancing, rotation of dim-some dishes, etc. The device could be installed in the airport and different tourist spots in Hong Kong.



為了以有趣的方式給遊客留下一個動感香港的印象，該參賽作品建議在用戶的左右手腕穿戴兩個運動傳感器。當做出不同的動作時，用戶可以遠程控制展品的不同部分，伴隨著維多利亞港的煙花效果、舞獅、旋轉的一些點心菜肴等。該設備可以安裝在香港機場和不同的旅遊景點。

**Hong Kong Taoist Association Wun Tsuen School
(TAGUBA Jairus James Abordo / NUGUIT Dara Eunice San Agustin / ASLAM Tayyaba)**
香港道教聯合會雲泉學校

Power Rangers - Exercise, Charge, Share

To provide a user-friendly community environment, the entry proposes to design a bench in the park with both warm and cool seaters for those people in need. The electricity is came from the stored electricity device with electricity generated by other people cycling on a stationed bicycles near the device. In which, while doing exercise of cycling, a person can contribute to charge the bench and share the electricity to those in need, such as the disabled or the elderly.



為了提供一個用戶友好的社區環境，該參賽作品建議在公園設計一個長凳，為有需要的人提供溫暖和涼爽的座位。電力來自儲存的電力設備，人們在設備附近的自行車上騎自行車發電。在進行自行車運動時，一個人可以為長凳充電並向有需要的人分享電力，例如殘疾人或老人。

Student Innovation (Primary School) Certificate of Merit

學生創新(小學)優異證書



Jordan Valley St. Joseph's Catholic Primary School
(CHU Lok-yin / Regis LAW / LIN Ka-him / YU Kin-lun)
佐敦谷聖若瑟天主教小學 (朱洛賢 / 羅泓哲 / 林家謙 / 余健倫)

Granny Smart Pot 聰明藥煲

To friendly remind the elderly on the right time to have the boiled Chinese medicine, the entry proposes to place a temperature sensor attached to a traditional Chinese medicine pot. Riding on blue-tooth technology, the temperature will be shown on a mobile to remind the elderly to have the medicine. If the temperature is too high, a alarm will be signaled on the mobile to warn the elderly not to have the medicine, and a small fan will be triggered by the system to cool down the medicine to a suitable temperature level.



為了方便提醒老年人及時吃煮好的中藥，該參賽作品建議在傳統中藥鍋上放置一個溫度傳感器。借助藍牙技術，溫度將顯示在手機上，以提醒老人吃藥。如果溫度過高，將在移動設備上發出警報，提示老人不要吃藥，系統會觸發小風扇將藥物冷卻到合適的溫度水準。

Jordan Valley St. Joseph's Catholic Primary School
(LEE Ho-lok / NG Kam-fu / LAM Yuen-fei / WEN Shing-yeung)
佐敦谷聖若瑟天主教小學 (李浩樂 / 吳錦富 / 林琬霏 / 溫晟揚)

Xstick 智能柺杖

To protect the elderly or dementia persons, the entry proposes to design a stick with various functions that can help them to go out by themselves. The stick will be equipped with GPS so that their family would know their whereabouts, and once the home key is pressed, the stick would voice out the road back to home. If the stick is not in upright position for more than 30 seconds, alarm and LED lighting will be on to alert passer-by to help in case the elderly fall on the floor. LED lighting and self-generating power component are also installed for providing more functions.



為了保護老年人或腦退化症者，該參賽作品建議設計一種具有各種功能的柺杖，可以幫助他們自己外出。柺杖將配備 GPS，以便他們的家人知道他們的位置，一旦按下主頁鍵，手杖就會在回家的路上發出聲音。如果柺杖未處於直立位置超過 30 秒，警報器和 LED 指示燈將亮起以提醒路人幫助，以防老人摔倒在地上。柺杖還安裝了 LED 照明和自發電組件，以提供更多功能。

Student Innovation (Primary School) Certificate of Merit

學生創新(小學)優異證書



Sham Tseng Catholic Primary School (CHAU Wing-kiu / KWOK-yiu)
深井天主教小學 (周穎翹 / 郭堯)

Automatic Hanging Rack 自動收衫機

In rainy days, forgetting to collect the clothes on hanging rack placed outside the house is a trouble to most people. The entry proposes a device equipped with humidity sensor, light sensor, and motor for moving hanging rack. When the humidity sensor detects a high humidity, the motor will be triggered to move the hanging rack back to a sheltered space. While no raining but the light sensor detects strong light, it may be under sunshine again, the motor will be triggered to move the hanging rack back to normal position.



在下雨天，忘記把掛在房子外面的掛架上的衣服收回來對大多數人來說都是一個麻煩。該參賽作品提出了一種裝有濕度傳感器、光線傳感器和用於移動懸掛架的電動機裝置。當濕度傳感器檢測到高濕度時，將觸發電動機裝置將掛架移回遮蔽空間。當沒有下雨但光傳感器檢測到強光，則判斷可能會再有陽光，電動機裝置將被觸發以將掛架移回正常位置。

Sham Tseng Catholic Primary School
(NG Cheuk-kiu / CHAN Chung-man / CHAN Siu-yin)
深井天主教小學 (吳卓薺 / 陳振民 / 陳肇賢)

Easy Dictation 讀寫必理懂

Dyslexia is a problem that more attention and effort should be placed in the society. The entry proposes a mobile game with focus on some Chinese characters that are easily written wrongly by people with dyslexia issue. The game displays some right and some wrong characters falling to the bottom of the screen. The player would grasp the right one and avoid the wrong one. Under a funny and relaxed environment, the learning will be more effective and efficient.



讀寫障礙是一個需要在社會中給予更多關注和努力的問題。該參賽作品提出了一個手機遊戲，重點放在一些中文漢字上，這些漢字很容易被患有讀寫障礙症的人寫錯。遊戲顯示一些正確的，一些錯誤的漢字落在螢幕的底端。玩家會抓住正確的那一個並避免錯誤選項。在有趣和輕鬆的環境下，學習將更加有效和高效。

Student Innovation (Primary School) Certificate of Merit

學生創新(小學)優異證書



TWGHs Wong See Sum Primary School (WONG Chun-lam)
東華三院黃士心小學（王俊霖）

Old Books Exchange System 舊書交換系統

Exchanging old books among students in the same school is limited by the opening time of the exchange process. The entry proposes a cloud-based system that one student can post what books to be exchanged out, and other students can search what books available in the system. Once a student would like to get a book, the student can make the request via the system. If accepted, the ownership of the book will be transferred to the requesting student and a physical hand-over will be communicated between the two students via the system.

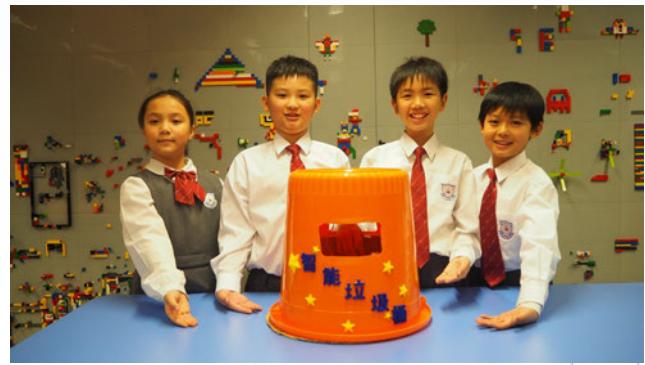


在同一所學校的學生之間交換舊書受到交換過程開放時間的限制。該參賽作品提出了一個基於雲的系統，一個學生可以發布要交換的書籍，其他學生可以搜索系統中可用的書籍。一旦學生想要一本書，學生就可以通過系統提交需求。如果被接受，書籍的所有權將轉移給提交需求的學生，並且將兩位學生關於實際交收的溝通可以通過系統進行。

Yan Chai Hospital Choi Hin To Primary School
(TONG Tin-chi / CHEN On-ki / YANG Chi-yuen / LEUNG Wai-ki)
仁濟醫院蔡衍濤小學（唐天之 / 陳安琪 / 楊志遠 / 梁緯祈）

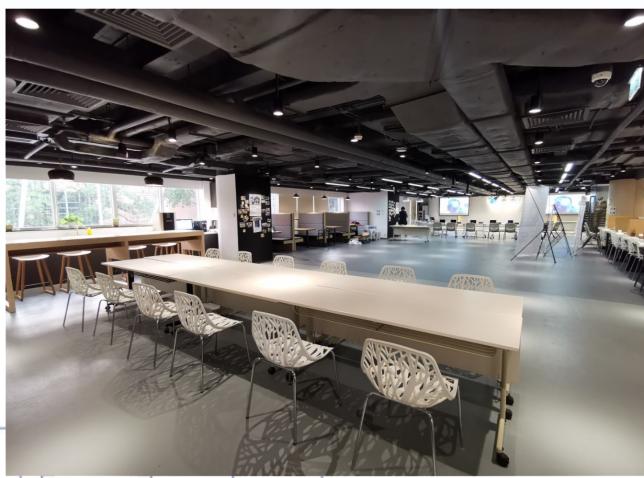
AI Litter Container 智能垃圾桶

Full tank of litter container or fire occurred in container are problems on the street. The entry proposes a litter container with a gas sensor, a ultra-sound sensor, a motor and a message-out component. Once the ultra-sound sensor detects when over 75% of the tank is full, short message will be sent out to central office or nearby cleaner to handle. Once the gas sensor detects smoke appeared inside the tank, the motor will be triggered to open the vault of a small tank of water to be opened to distinguish the potential fire.



垃圾箱滿了或火災是街道上的問題。該參賽作品提出了一個帶有氣體傳感器、超聲傳感器、電機和信息輸出組件的垃圾箱。一旦超聲傳感器檢測到超過 75% 的箱體已滿，短信將被發送到中央辦公室或附近的清潔工提醒處理。一旦氣體傳感器檢測到垃圾箱體內出現煙霧，電機將被觸發打開一個小水箱，以便區分潛在的火災。

Student Innovation Award Photo Collection 學生創新獎照片集



Student Innovation Award Photo Collection 學生創新獎照片集



Student Innovation Award Promotion Review

學生創新獎推廣回顧

School Visit 校訪



Posters and Magazine Ads 海報及雜誌廣告

Promo videos and TVC 宣傳短片及電視廣告



TVC Spots (Now TV) (Total / Prime) 672 / 224

Online TVC Views (Facebook) 280k +

Printed Magazine Ads (MH / SBP) 8



Online Briefing 2 (Live) 網上簡報 2 (直播)



Online Briefing 1 (Live) 網上簡報 1 (直播)



Student Innovation Award's Innovation 學生創新獎的創新



Some of the challenges of organising Student Innovation Award are: the large number of entries; the multiple member team setup, and the large number of assessors and assessment meetings in a relatively short period of time. To tackle with these challenges and deliver timely and accurate results, HKITDA has developed a completely new online registration system and deployed tag.digital's award judging system, which was widely used in over 100 awards since 2013.

Students who are interested to apply would first download the application form and to create a team account. This allow us to estimate the number of entries we are going to receive, and be able to follow up with schools to complete the application a couple weeks before the deadline.

Through the use of the two systems, most of the applicant data handling were fully automated in an encrypted and secured server environment, and almost all of our assessment meetings were completed on time.

籌辦學生創新獎其中的一些挑戰包括：大量參賽作品；每隊參賽隊伍有多個成員；以及，在相對較短的時間內要組織大量評審委員參與非常多天的評審會議。為了應對這些挑戰並提供及時準確的結果，香港創科發展協會開發了一套全新的在線註冊系統，並採用了 tag.digital 的大獎評分系統。自 2013 年以來，該系統已被廣泛用於 100 多個獎項。

有興趣申請的學生將首先下載申請表並在系統創建團隊帳戶。這使我們能夠估計我們將會收到的參賽作品數量，並能夠在截止日期前兩週開始向學校跟進並完成申請。

幾乎所有參加者的數據處理都在加密和安全的服務器環境中完全自動化地完成；通過使用這兩個系統，幾乎所有的評審會議都按時完成。



tagdigital 大獎評分系統



從報名登記到評委打分 支持PC/移動端 評分標準按需設定
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Introduction of Leading Organiser

籌辦機構簡介



The main reason why innovative technology has sprung up in the last decade is the emergence of mobile phones, whose computing power is now comparable to that of a computer. So what will be the next thing that may subvert our understanding of technology? Will it still be a device with a screen? Or will there be no visible and touchable interface at all but can transmit information directly to the human brain? How does future development like? We can affirmatively say that in the future, the society will be more extensive and profoundly affected by innovative technology, such as unmanned driving, telemedicine, the self-developed BeiDou Navigation Satellite System, aerospace technology, etc. We must believe that all these technologies will be at our fingertips soon and lead us to something new and further.

Hong Kong people have never lacked innovative thinking, but we still need a stage to bring the strength to full play. The lack of attention to innovation and technology talents in the past has slow down the development of Hong Kong's innovative industries. So, the Hong Kong Innovative Technology Development Association (HKITDA) emerged as the times require, in order to promote the wider application of innovative technology in our community.

With China's "Belt and Road Initiative", the development of the Guangdong-Hong Kong-Macau Greater Bay Area, and the investment to develop the Lok Ma Chau Loop into a "Hong Kong -Shenzhen Innovation and Technology Park", there are endless opportunities waiting to be discovered. Hong Kong, a place that has a mature financial system and a sound business network, plus the unique geographical advantage of "One Country, Two Systems", it is undoubtedly one of the most powerful competitors to be the International Innovation Center. In fact, innovation and technology have always been regarded as the main driving force for social and economic growth. However, the social status of Hong Kong's ventures and practitioners has not been affirmed, and our ICT industrial development is relatively slow compared with the neighboring developed economies, which has left Hong Kong with huge advantages but failed to make good use of them. Therefore, HKITDA has been urging the government to increase the resources for education and training of innovative and

創新科技在最近十年興起至蓬勃發展主要的原因是手機的出現，現在手機的運算能力已可媲美一台電腦。那麼接下來可能顛覆我們對科技認知的設備又會是什麼呢？還會是有屏幕的設備麼？還是根本不需要任何可見可觸摸的界面，可將信息直接傳輸到人腦中？未來的發展會是如何？但是將來的社會一定會更廣泛而深刻的被創新科技影響，無人駕駛、遙距醫療，我們國家自己研發的北斗衛星導航系統、航天科技等等，我們一定要相信所有這些科技都會離我們更近，把我們帶的更遠。

香港人從來都不乏創新思維，然而再多的創意也需要一個舞台發揮。由於過去對創新及科技人才欠缺重視，導致香港創科產業發展緩慢。「香港創科發展協會」（HKITDA）應運而生，務求推動社會加強對創新科技的廣泛應用。

隨着中國「一帶一路」倡議、粵港澳大灣區發展，以及落馬洲河套區建設港深創新及科技園，當中蘊藏無窮的機遇等待發掘。香港具備成熟金融體系與完善商業網絡，更擁有「一國兩制」獨特地理優勢，無疑是成為國際創科中心最有力競爭者之一。事實上，創新及科技一直被認為是社會經濟增長主要動力，惟香港創科機構及從業人員的社會地位卻未獲肯定，其產業發展亦相對鄰近已發展經濟體遲緩，令到香港空有龐大優勢卻未能善用。因此，香港創科發展協會一直促請政府增加在創新科技人才的教育及培訓的資源，同時與政府、學術機構、研究單位等加強合作，共同研究如何善用香港「一國」及「兩制」的優勢，為業界創造更多商機。

除此之外，我們認為創新科技不但有助創造財富，更能夠改善市民的生活質素，以及為年輕人帶來更多工作機遇。香港創科發展協會的成立，正正是希望透過向會員及公眾提供最新創科資訊、研究報告、實踐平台、專業技術分析等相應服務，從而團結會員、激發公眾就着創新科技提出新觀點。

我們又期望推動各行業應用更多創新科技，特別是通訊及資訊科技、人工智能科技等。我們提倡各行業聘用創科人才及善用創科的人力資源，從而提高香港創科機構及從業人員的社會地位，最終達至推動香港整體的創新科技文化。

Introduction of Leading Organiser

籌辦機構簡介



technological talents. The government, academic institutions and research institutes have strengthened cooperation to study how to make good use of the advantages of "One Country, Two Systems" principle, in order to create more business opportunities for the industry.

We believe that innovative technology not only can help create wealth, but also improve the quality of citizen's life and bring more job opportunities for young people. The establishment of Hong Kong Innovation and Development Association is precisely to provide members and the public with the latest Innovation and technology information, research reports, practical platforms, professional

technical analysis and other related services, so as to unite members and inspire the public to propose new ideas on innovation and technology.

We also look forward to promoting innovative technologies in various industries, especially in communications and information technology, artificial intelligence technology, etc. We encourage employers to hire creative talents and make good use of the human resources to enhance the social status of Hong Kong's ventures and practitioners, and ultimately to promote Hong Kong's overall innovation and technology culture.



The light bulb in our logo design represents creativity, and the design of the switch in the middle means that we are "Boosting development with innovative technology". HKITDA is a professional association that promotes the widespread application of innovative technologies. Members of HKITDA are mainly organisations and the public in all walks of life. Our mission is to provide members and the public with the latest information, practical platforms and professional technical analysis, research reports and corresponding services to unite members and inspire the public to deploy new technologies for innovation purposes, which benefit the society.

我們協會的標誌設計中，燈泡代表着創造力，置中的開關掣象徵著我們「以創新科技推動發展」。香港創科發展協會是一個促進創新科技獲廣泛應用的專業協會，成員主要由各行各業的組織和專業人士組成。我們的使命是為會員和公眾提供最新資訊、實用平台、專業技術分析、研究報告和相應服務，務求團結成員並啟發大眾有效運用創新研發新技術，造福社會。

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Acknowledgement

鳴謝



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Mr WONG Hang-chit 黃衡哲先生

Special Thanks! 特別鳴謝

Dr George LAM Lee
林家禮博士

Guest of Honour, Student Innovation Award Ceremony
學生創新獎頒獎典禮主禮嘉賓

Terrence LUM
漢洋

Voice for Promotional Video
宣傳片配音

Acknowledgement

鳴謝



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21st ACGHK 2019

香港動漫電玩節



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Creative Paradise



國際知名的盛會

每年在暑假黃金檔期舉行的香港動漫電玩節，廿年來輝煌成績有目共睹，全力推動動漫電玩產業發展、為參展商開拓商機、為動漫電玩愛好者提供最佳搜購機會。



展出日期: **2019/7/26-30** (星期五至二,一連5天)
展出時間: 10am-9pm (最後一天8pm閉館)
場地面積: 250,000+平方呎
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