

Press Release
For Immediate Release

Hong Kong Computer Society Led Hong Kong ICT Elites
to Top APICTA2013 for the 3rd consecutive years
with 4 Winners and 12 Merits
Stephen Lau was Conferred APICTA Lifetime Achievement Award

December 5, 2013 • Hong Kong – Led by Hong Kong Computer Society (HKCS), Hong Kong delegates topped the Asia Pacific Information and Communication Technology Alliance (APICTA) Awards 2013 for the 3rd executive year with a total of 16 prizes, including 4 Winners and 12 Merits this year. Mr. Stephen Lau, JP, Vice President (Executive) of HKCS, was conferred the APICTA Lifetime Achievement Award, for his untiring efforts in years to local ICT development and APICTA.

Perceived as the “ICT Oscar Award”, the APICTA is one of the most significant annual events of ICT industry in Asia Pacific region. APICTA2013 was hosted by HKCS in Hong Kong, and the judging process was completed at Cyberport on Nov 24-26 with the award presentation ceremony held on Nov 27. This year, 40 award-winning local entries were nominated by HKCS to contest along with other outstanding submissions from 12 economies for the grand awards in 17 categories.

Mr. Michael Leung, President of HKCS, was pleased that Hong Kong successfully hosted APICTA2013, and offered his congratulations to Mr. Stephen Lau and all award winners, especially to Hong Kong delegates for their superb performance. Mr. Michael Leung noted: “Hong Kong has been a member economy of APICTA since 2001 and is represented by HKCS in its Executive Committee. With a broad representation and in-depth knowledge of current Hong Kong ICT developments, HKCS takes responsibility for nomination and coordination of Hong Kong entries. Further, it works with industry specialists in different areas to provide all participants with guidance on how to fully demonstrate the technology advantage of Hong Kong to all judges.”

Efficient Unit and Office of the Government Chief Information Officer (OGCIO), The Government of the Hong Kong Special Administrative Region, was the Winner in Government and Public Sector category for **Tell me@1823**. Tell me@1823 is an all-round, multi-media tool for the public to make enquiries and complaints to the Government while on-the-go. Users can make submissions to 1823 with supporting photographs, audio and video recordings and identification of the event location either through GPS or drag-and-drop on the map. The app has great benefits to the citizens as it enables them to make detailed and precise enquiries or complaints while on-the-go. Well-received by the public with more than 52 000 times of download and 39 000 submissions made to 1823 (as at 31 August 2013), this app shows how the Government could respond to citizens’ demands efficiently and effectively by using latest technologies.

Logital Co. Limited was awarded Winner in Inclusion & Community Category for **EasyHear**. The key technology revolves around Logital’s patent-pending Beamforming hearing devices. Beamforming has enabled EasyHear to offer significant signal-to-noise ratio improvements, yet retaining desirable background music without completely masking away wanted human voices. Detail-minded engineering have given EasyHear a clear edge in price competitiveness globally, costing one-tenth of the competition. In addition, with “total hearing”, EasyHear connects all the sound sources the world can offer, by providing built-in Bluetooth module and FM radio. Now even the poorest of the poor can enjoy streamed music and video sound track, and listen to the radio anytime, anywhere, all with one tiny unit.

The Mobile Technologies Centre (MobiTeC) of the Chinese University of Hong Kong developed a cost-effective, secure solution for authenticating paper-based documents / credentials: **Authenticated Papers: Protecting Documents/Credentials Offline using Authenticated 2D Barcodes**, and was awarded Winner in Research & Development category. The key idea is to embed 2D barcodes which carry a large amount of self-describing, and most importantly, authenticated data like text and image, in a paper-based document. The authenticity of the document can be readily verified by comparing its content with the corresponding digitally-signed content contained in the Authenticated 2D barcode.

Winner in Retail & Supply Chain Management category goes to **Hong Kong Air Cargo Terminals Limited** for **COSAC-Plus - Community System for Air Cargo**. At the heart of Hactl's 7/24 operation is the Community System for Air Cargo (COSAC), an IT solution that enables airlines, freight forwarders, terminal operators and government departments to share information and process air cargo efficiently and effectively. It allows 1,000 concurrent users to process information at the same time and has a capacity of handling up to 1.7 million data transactions daily. There are 400 functions which provide real time information on a cross company basis, enabling users to precisely gauge the status and take immediate actions.

The 12 Merit awardees are as follows:

Category	Organization	Product Name
Application Tools & Platforms	Sengital Limited	Digitouch System
Financial Industry Application	(1) Cherrypicks Ltd. (2) Ageas Insurance Co. (Asia) Ltd.	Ageas Financial Needs Analysis iPad app
Government and Public Sector	MTR Corporation	MTR Mobile Apps
Health & Wellbeing	CKICOM Technology Limited	CAREASE Integrated Wetness Care System
Inclusion & Community	The Hong Kong Society for the Aged	Smart Use of ICT for Frail Elderly
Industry Application	Fong's National Engineering Company Limited	Integrated Intelligent Rinsing
Media & Entertainment Technology	(1)Cherrypicks Ltd. (2)Starberry Ltd.	Smart:D Kiosk Experience
School Project	Shun Tak Fraternal Association Yung Yau College	HeartBook & SmartHelper
School Project	Shun Tak Fraternal Association Yung Yau College	Intelligent Smoke-killing Rubbish bin & Distributed Air-quality Monitoring System
School Project	Tung Wah Group of Hospitals Chang Ming Thien College	@lert
Start-Up	Viss Me Co & Limited	Viss Me Co & Limited
Tertiary Student Project	Department of Computer Science, The University of Hong Kong	KINECT in Physiotherapy

Mr. Michael Leung stated: "I am glad that Hong Kong continues to play its role in APICTA this year and, on behalf of HKCS, I would like to congratulate all Hong Kong award winners. The prizes were really hard-won, as they need to surpass competitions from other 12 economies and undergo rigorous evaluation by judges, even Merit awardees must achieve 95% or more of the Winner award score."

Mrs. Agnes Mak, MH, JP, Chairperson of Organising Committee and Judging Convenor of APICTA 2013, introduced: “APICTA aims to increase ICT awareness in the community, and encourage ICT innovation and creativity. APICTA2013 delegates come from 13 member-economies in the Asia Pacific region, which will bring forward more opportunities for learning and exchange. It will benefit the delegates themselves, and also help to promote ICT innovation in the region. Moreover, the judges are from the 13 member-economies, which ensure a fair and transparent process and authoritative results.”

Mr. Michael Leung continued: “HKCS appreciates all sponsors and supporting organisations for their kind support to APICTA2013, and is especially grateful to Innovation and Technology Commission (ITC), the Government of HKSAR, as Government Sponsor, Office of the Government Chief Information Officer (OGCIO), the Government of HKSAR, as Government Advisor, as well as Hong Kong Cyberport Management Company Limited (Cyberport) and Hong Kong Trade Development Council (HKTDC) as Co-organisers of APICTA2013. HKCS hopes to encourage more young talents to join the ICT industry for the betterment of the industry and social economic development through significant events and activities such as APICTA.”

About Asia Pacific Information and Communications Alliance Awards

Asia Pacific Information and Communication Alliance (APICTA) Awards is an annual flagship event in the ICT industry of Asia Pacific region, founded by Multimedia Development Corporation in Malaysia in 2001. APICTA aims to recognize organizations and individuals in Asia Pacific region who has contribute profoundly to the ICT industry, increase ICT awareness in the community, stimulate ICT innovation, offer opportunities for business matching between IT innovators and investors, facilitate technology transfer and application.

Participants from 17 countries and regions in the Asia Pacific region of the awards program comprise members of the APICTA Alliance. APICTA member-economies take turns in hosting the annual Awards Program.

Ever since 2001 when Hong Kong for the first time participated in APICTA, HKCS, being the most well-established and the largest professional association in Hong Kong, has been shouldering the responsibility of nominating participants in Hong Kong with its in-depth understanding of local ICT industry development. This year, APICTA 2013 took place in Hong Kong. For detail, please refer to: <http://www.apicta2013.com>.

About Hong Kong Computer Society (HKCS)

The Hong Kong Computer Society is a non-profit professional organization established in 1970, which strives to improve and develop Hong Kong's Information Technology (IT) industry. Being the most well-established and the largest professional association in Hong Kong, the HKCS is dedicated to promote the highest professional standards for the industry. The HKCS members are from a broad spectrum of Hong Kong's IT industry, from corporate users to individual talents, all working together for the benefit of the industry.

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Appendix 1: APICTA2013 Hong Kong Winners & Merits List

Appendix 2: Introduction of Hong Kong Winners & Merits

Appendix 1: APICTA2013 Hong Kong Winners & Merits List

Award	Organization	Product Name	Category
Winner	(1) Efficiency Unit, The Government of the Hong Kong Special Administrative Region; (2) Office of the Government Chief Information Officer, The Government of the Hong Kong Special Administrative Region	Tell me@1823	Government and Public Sector
Winner	Logital Co. Limited	EasyHear	Inclusion & Community
Winner	Mobile Technologies Centre (MobiTeC), The Chinese University of Hong Kong	Authenticated Papers: Protecting Documents/Credentials Offline using Authenticated 2D Barcodes	Research & Development
Winner	Hong Kong Air Cargo Terminals Limited	COSAC-Plus - Community System for Air Cargo	Retail & Supply Chain Management
Merit	Sengital Limited	Digitouch System	Application Tools & Platforms
Merit	(1) Cherrypicks Ltd. (2) Ageas Insurance Co. (Asia) Ltd.	Ageas Financial Needs Analysis iPad app	Financial Industry Application
Merit	MTR Corporation	MTR Mobile Apps	Government and Public Sector
Merit	CKICOM Technology Limited	CAREASE Integrated Wetness Care System	Health & Wellbeing
Merit	The Hong Kong Society for the Aged	Smart Use of ICT for Frail Elderly	Inclusion & Community
Merit	Fong's National Engineering Company Limited	Integrated Intelligent Rinsing	Industry Application
Merit	(1)Cherrypicks Ltd. (2)Starberry Ltd.	Smart:D Kiosk Experience	Media & Entertainment Technology
Merit	Shun Tak Fraternal Association Yung Yau College	HeartBook & SmartHelper	School Project
Merit	Shun Tak Fraternal Association Yung Yau College	Intelligent Smoke-killing Rubbish bin & Distributed Air-quality Monitoring System	School Project
Merit	Tung Wah Group of Hospitals Chang Ming Thien College	@lert	School Project
Merit	Viss Me Co & Limited	Viss Me Co & Limited	Start-Up
Merit	Department of Computer Science, The University of Hong Kong	KINECT in Physiotherapy	Tertiary Student Project

Appendix 2: Introduction of APICTA2013 Hong Kong Winners & Merits

APICTA2013 Winners

APICTA2013 Winner – Government and Public Sector	
Organization	Efficiency Unit, The Government of the Hong Kong Special Administrative Region / Office of the Government Chief Information Officer, The Government of the Hong Kong Special Administrative Region
Product	Tell me@1823
Local Awards	HKICTA2013 Best Public Service Application (Web / Mobile Application) Silver Award
Product Description	<p>Tell me@1823 is an all-round, multi-media tool for the public to make enquiries and complaints to the Government while on-the-go. In designing the mobile app, we make the best use of the functions and features of smart devices including GPS, camera as well as audio and video recordings, with a view to facilitating citizens' interaction with 1823.</p> <p>With Tell me@1823, users can make submissions to 1823 with supporting photographs, audio and video recordings and identification of the event location either through GPS or drag-and-drop on the map. The app has great benefits to the citizens as it enables them to make detailed and precise enquiries or complaints while on-the-go. This also significantly facilitates the responsible departments in taking follow-up actions as the information provided is sufficiently thorough and precise, helping ensure that issues are addressed effectively and efficiently.</p> <p>Well-received by the public with more than 52 000 times of download and 39 000 submissions made to 1823 (as at 31 August 2013), this app shows how the Government could respond to citizens' demands efficiently and effectively by using latest technologies.</p>

APICTA2013 Winner – Inclusion & Community	
Organization	Logital Co. Limited
Product	EasyHear
Local Awards	HKICTA2012 Best Digital Inclusion Grand Award HKICTA2012 Best Digital Inclusion (Product / Application) Gold Award
Product Description	<p>The key technology revolves around Logital's patent-pending Beamforming hearing devices, EasyHear, seen by the world as the first successful commercialization, which solves the long-standing three-fold problem of hearing aids (1) being too noisy in noisy environments, (2) not allowing users full control for different settings, and (3) too expensive for most deaf people. Beamforming has enabled EasyHear to offer significant signal-to-noise ratio improvements, yet retaining desirable background music without completely masking away wanted human voices. Detail-</p>

	<p>minded engineering have given EasyHear a clear edge in price competitiveness globally, costing one-tenth of the competition.</p> <p>In addition, with “total hearing”, EasyHear connects all the sound sources the world can offer, by providing built-in Bluetooth module and FM radio. Now even the poorest of the poor can enjoy streamed music and video sound track, and listen to the radio anytime, anywhere, all with one tiny unit.</p>
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APICTA2013 Winner– Research & Development	
Organization	Mobile Technologies Centre (MobiTeC) / The Chinese University of Hong Kong
Product	Authenticated Papers: Protecting Documents/Credentials Offline using Authenticated 2D Barcodes
Local Awards	
Product Description	<p>All printed documents/credentials are potentially subject to counterfeiting and forgery. Conventional counterfeiting solutions such as watermarking or printing using special-quality papers are not cost-effective. Other widespread low-cost solutions such as certification via authorized chops/stamps only provide a false sense of security/authenticity. To tackle this problem, we propose Authenticated Papers: a cost-effective, secure solution for authenticating paper-based documents/credentials using off-the-shelf handheld devices such as smartphones and tablets. The key idea is to extend existing 2D barcodes, e.g. the QR-code, to carry a large amount of self-describing, and most importantly, authenticated data of all types containing text, image as well as other binary ones. By embedding the Authenticated 2D barcode as an integral part of a paper-based document, the authenticity of the document can be readily verified by comparing its content with the corresponding digitally-signed content contained in the Authenticated 2D barcode. Authenticated Paper has won an award in the Professor Charles K. Kao Student Creativity Awards 2013, which is a biennial university-wide competition, covering not only ICT but all science and technology areas such as bio-tech, energy, material science and medicine.</p>

APICTA2013 Winner – Retail & Supply Chain Management	
Organization	Hong Kong Air Cargo Terminals Limited
Product	COSAC-Plus - Community System for Air Cargo
Local Awards	HKICTA2013 Best Business (Application) Gold Award
Product Description	<p>At the heart of Hactl’s 7/24 operation is the Community System for Air Cargo (COSAC), an IT solution that enables airlines, freight forwarders, terminal operators and government departments to share information and process air cargo efficiently and effectively.</p>

	<p>First introduced in 1977, COSAC continues to evolve as the business requirements change. COSAC-Plus, fully implemented in 2012, is the 3rd generation air cargo management system. It is built strategically to strengthen Hactl's competitiveness in the air cargo industry.</p> <p>COSAC-Plus is a major upgrade to Window-based user interface and much more powerful and versatile. It allows 1,000 concurrent users to process information at the same time and has a capacity of handling up to 1.7 million data transactions daily. There are 400 functions which provide real time information on a cross company basis, enabling users to precisely gauge the status and take immediate actions.</p> <p>COSAC-Plus is designed to enable the air cargo community to progress towards e-freight. In addition to online access, COSAC-Mobile is available to provide freight forwarders and truckers the latest cargo status and alert them to manage seamless logistics support efficiently.</p>
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APICTA2013 Merit

APICTA2013 Merit – Application Tools & Platforms	
Organization	Sengital Limited
Product	Digitouch System
Local Awards	HKICTA2013 Best SME ICT Award Special Mention (Technology Solution) "HKEIA Award for Outstanding Innovation and Technology Products" competition Consumer Electronics Category Grand and Gold Award
Product Description	DigiTouch is a brand product developed by Sengital in 2012 with innovative system design including hardware and software and it is regarded as amazing add-on equipment turning a TV screen into a tablet. As smart devices are now more and more common in business, education and even retails shop, it is now a must to get used to those devices and operating system. DigiTouch makes use of its integration and commonality to help set new standard not only on the "Smart" devices like those portable tablet and phones but also on the TV.

APICTA2013 Merit – Financial Industry Application	
Organization	Cherrypicks Ltd. / Ageas Insurance Co. (Asia) Ltd
Product	Ageas Financial Needs Analysis iPad app
Local Awards	HKICTA2013 Best Mobile Apps (Mobile Enterprise Solution) Gold Award
Product Description	There are lots of insurance/financial analysis tools and point-of-sales applications in the industry. To reflect the brand of Ageas, deliver outstanding services and

	<p>maintain close tie with customers, Ageas Financial Needs Analysis (FNA) app is equipped with ground-breaking, interactive story telling feature that evaluates the risks and arouses clients' awareness on their financial needs; customer profile and progress monitor that traces the status of clients' insurance records; and real time financial analytic report generation that provides professional needs analysis for clients to better plan their financial expenses.</p> <p>Supported by advanced technology in data encryption and online/offline authentication, the app serves clients in a secure environment. Not only aroused customers' awareness of financial needs with the extraordinary enrichment of fact-finding stories, customers will also appreciate the app's responsible environmentally-friendly features that support our green initiatives. It takes the advantage of tablet/mobile application capabilities that release Ageas consultants from carrying heavy/energy-inefficient notebook around with financial reports and supporting documents.</p> <p>With the creative selling strategy that takes clients' real interest and emotions into consideration, as well as the convenience gained from getting rid of heavy piles of documents, Ageas FNA brings to the brand and its consultants a warm-hearted yet smart professional image that is believed to bring up the trend towards innovative financial analysis strategy through tablet and mobile technology adoption in the insurance sector.</p>
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APICTA2013 Merit – Government and Public Sector	
Organization	MTR Corporation
Product	MTR Mobile Apps
Local Awards	HKICTA2013 Best Public Service Application (Web / Mobile Application) Bronze Award
Product Description	<p>Moving beyond a basic station-to-station journey planner, the new MTR Mobile has augmented the assortment of information: “Exit Info” search allows a complete journey planning by suggesting routes within and even beyond the MTR network between two exact starting and destination points and the add-on “First/Last Train” Information in journey planner allows passengers to optimize the use of their time “MTR Shops” function provides information of over 1,400 retail shops in all MTR stations; “Barrier-free” facilities search assists passengers in need including the disabled passengers in utilizing the application.</p> <p>Unprecedentedly, MTR Mobile is upgraded with real time information - a big leap to achieve higher operational transparency. It gives the most timely and reliable train service information easily accessible on the hands of passengers, such as the</p>

	<p>push notification for special train arrangement service disruption with Traffic News function and train departure time in the Next Train App hosted in the MTR Mobile.</p> <p>Indeed, MTR Mobile has become one of the important tools to engage the 1.3 million members of the “MTR Club” by offering up-to-date eNewsletters and online redemption capability during promotion periods.</p> <p>With the App-call-App function, MTR has become the all-in-one platform to download and access other MTR Mobile Apps. The new MTR Mobile has elevated every single journey of passengers to a unique travelling experience, complementing offline assistance in stations to provide the maximum convenience and smoothness to passengers’ journeys.</p>
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APICTA2013 Merit – Health & Wellbeing	
Organization	CKICOM Technology Limited
Product	CAREASE Integrated Wetness Care System
Local Awards	<p>HKICTA2013 Best Lifestyle Grand Award</p> <p>HKICTA2013 Best Lifestyle (Green, Healthy & Creative Living) Gold Award</p> <p>HKICTA2013 Best Lifestyle (Green, Healthy & Creative Living) Award Special Mention (Silver Power)</p>
Product Description	<p>CAREASE Integrated Wetness Care System is a series of wetness care products designed to alleviate nursing problems encountered when taking care of the bed-ridden or disabled. Our system mainly includes Inductive Diaper, Wetness sensor, Wetness display and Computer Wetness Management System.</p> <p>Using our unique Inductive diaper, wetness sensor can sense the wetness degree and send data to the wetness display, which can show the status and form a wireless network with other displays and then send data to the central computer to show all the status on the screen.</p> <p>Our unique features are:</p> <ul style="list-style-type: none"> • Two lines of special carbon ink from which wetness data is extracted through a patented method and algorithm are printed on the diaper. • Can detect the degree of wetness of the user, rather than only wet or not. • Wetness displays can form a wireless network and is using two-way FSK communication to ensure network reliability. • CAREASE computer system can not only display all the status of all the diapers, but also have powerful management functions. • Using smartphones to display the wetness status.

APICTA2013 Merit – Inclusion & Community	
Organization	The Hong Kong Society for the Aged
Product	Smart Use of ICT for Frail Elderly
Local Awards	HKICTA2013 Best Digital Inclusion (Service) Silver Award
Product Description	<p>The Project, “Smart Use of ICT for Frail Elderly”, aims at fully utilizing ICT to improve the overall quality of life of the frail elderly and to let them enjoy the wonders of ICT. With thoughtful use of conventional ICT equipment like large touchable televisions, short-throw projectors, Kinect, and tablets, our Project facilitates inspiring physical and cognitive rehabilitations, pursuing interests and social activities, and better communication with outside world.</p> <p>In rehabilitation, Kinect and Brain Gym online games enhance the elders’ motivation and endurance in receiving standing exercises, and cognitive trainings, thus making rehabilitation training to be fun. Even the house-bounded frail elders can widen their horizons and maintain contact with the world through “Street View” of Google Map, and online panoramic scenic websites. Some cognitively sound and competent elders can even learn to produce digital drawings and calligraphies.</p> <p>For the bed-bound elders, tablets and short-throw projectors provide stunning images and favorite videos at their bedside or even onto the ceiling, creating the “Ceiling Theater”.</p>

APICTA2013 Merit – Industry Application	
Organization	Fong’s National Engineering Company Limited
Product	Integrated Intelligent Rinsing
Local Awards	
Product Description	<p>The Integrated Intelligent Rinsing system (IIR as referred below) is an automatic function deployed on Fong’s dyeing machines to determine the right time of ending a rinsing process. Rinsing in traditional ways depend on the experience of operator to decide the duration and repetition while the IIR recognizes the changes real-time in dye liquor by collecting accurate feedback from own developed monitoring system so the dyeing machine controller could terminate the procedure once the concentration is acceptably low for draining.</p> <p>The ‘colour index’ applied on IIR fosters a new standard in automated rinsing. The algorithm is implanted to a unique controller of FC30 which is compatible to all dyeing machines of our brand. Users can customize the system with their preference for further analysis on resource consumption.</p>

	The IIR system cuts excess water consumption and unnecessary time wasted on rinsing, increasing the productivity in a much lower production cost. The patented solution has been granted the Technological Achievement Award of the Hong Kong Award for Industries in 2013.
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APICTA2013 Merit – Media & Entertainment Technology	
Organization	Cherrypicks Ltd. / Starberry Ltd.
Product	Smart:D Kiosk Experience
Local Awards	HKICTA2013 Best Innovation & Research Grand Award HKICTA2013 Best Innovation & Research (Postgraduates & Open) Gold Award
Product Description	<p>The world of shopping is about to be revolutionized! Cherrypicks and its subsidiary Starberry have invented a new interactive media entertainment for retail advertising industry and shoppers that it can completely change the way consumers shop. The “D” for “Smart:D Kiosk Experience” stands for “Display Impact”, “Digital Interaction” and “Download to Mobile” as this media entertainment provides a visually-appealing impact, entertaining experience as well as instant interactions between retailers and shoppers by comprising the use of High Definition Transparent-LCD (T-LCD), multi-touch and motion-sensing technologies plus patent-pending sonic communications.</p> <p>Smart:D Kiosk Experience leverages the T-LCD to display products as the live background while interactive content on the surface. The T-LCD is able to demonstrate videos, as well as many more visualized effects combining the product display at the back. It brings more possibilities and room for marketers to create gimmicky advertisements; at the same time more impressive visual enjoyment to customers. Customers can also interact with the T-LCD through touching the screen or physical movement. The application of sonic technology works as a channel for instant downloading function that minimizes cost, connectivity and networking requirements. Customers can filter excessive info and choose to download those worthy to note and respond. The process is more personalized and considerate. It also saves money cost of printing paper brochure or info leaflets.</p> <p>In the future, the retail shopping environment would tend to be advanced, engaging and paperless. With the high-tech, interactive, entertaining and environmentally-friendly nature, Smart:D Kiosk Experience is believed to be the trendsetting media entertainment bringing up a new world of shopping.</p>

APICTA2013 Merit – School Project	
Organization	Shun Tak Fraternal Association Yung Yau College
Product	Intelligent Smoke-killing Rubbish bin & Distributed Air-quality Monitoring System
Local Awards	HKICTA2013 Best Innovation & Research (Secondary Schools) Silver Award HKICTA2013 Best Innovation & Research Award Special Mention (UNMDG)
Product Description	<p>Second-hand smoke is a pollutant which threatens human health and damages the environment. The air quality impacts the people directly, this problem should not be ignored, so we have invented a system to monitor the air quality. So, “intelligent smoke killing Rubbish Bin and distributed air quality monitoring system” has four functions for killing Second-hand smoke.</p> <ul style="list-style-type: none"> • Smoke killing: Pump water to the ashtray until the cigarettes are extinguished, reducing the release of toxic gases. • Roadside air quality monitoring: Sensor to monitor air quality, then organize the indexes from each place. • Use of recycled energy: Use solar energy as the main source of power for the system's hardware and recharge the battery. • Rain water recycling: The natural rain water (for smoke killing) and it can be recycled.
Organization	Shun Tak Fraternal Association Yung Yau College
Product	HeartBook & SmartHelper
Local Awards	HKICTA2013 Best Innovation & Research (Secondary Schools) Silver Award InfoMatrix 2013 Champion
Product Description	<p>We design and develop our innovative system, HeartBook and SmartHelper, which continuously reads the user's heart rate and other statuses, central monitor and record the data in real-time. Once there is a problem with the users’ hearts or in other bad situation, our system will immediately send an alert to our system administrator (and/or authorized operators) and rescue department, so that the rescue time will be much more shortened, and hence to increase the opportunity of the user being saved.</p> <p>Besides the elderlies and the patients, our system can also be used by the athletes, so that their heart rates can be monitored and recorded in real-time during their practices, and hence to assist and improve the qualities of their trainings.</p> <p>With this system, we got the champion in InfoMatrix 2013 (one of the most important international ICT competition for college students).</p>
Organization	Tung Wah Group of Hospitals Chang Ming Thien College
Product	@lert

Local Awards	HKICTA2013 Best Innovation & Research (Secondary Schools) Bronze Award HKICTA 2013 Best Innovation & Research Award Special Mention (Potential and Development)
Product Description	<p>Students are not allowed to enter the staff rooms in schools. @lert is a system in notifying individual teachers if someone wants to see them outside the staff room.</p> <p>@lert consists of three parts: A calling system outside the staff room (ePrefect), communication software pre-installed on every teacher's PC (eTeacher) and a simple USB alerting device. Once users plug in the device and run the program, it will give both a visual and an audible signal, whenever somebody is calling or leaving messages.</p> <p>Believe it or not, @lert only comes with a small USB device. Just one single hit, you may swap between online mode and busy mode, notifying that you have received the messages or letting callers know that you are coming out. The "button" itself is an all-in-one design, with indicating LEDs and buzzer inside.</p> <p>The system is expected to be widely used in environment like schools or hospitals.</p>

APICTA2013 Merit – Start-Up	
Organization	Viss Me Co & Limited
Local Awards	
Organization Description	<p>VISS ME CO & LIMITED has founded by two experienced digital media gurus in April 2012. With a small team of less than 10 people, the product "VISS" has created, built and beta launched in June 2012 and have been attracted over 3.6 million users globally.</p> <p>Ivy Wong, Founder, is ex-Senior Executive of Next Media, TVB and Yahoo!. Leo Ku, Co-Founder, earned his Master of Engineering from Stanford University and worked for Oracle, Yahoo!, TVB and Discovery Channel. They complement each other's with solid ICT business and technical background.</p>

APICTA2013 Merit – Tertiary Student Project	
Organization	Department of Computer Science, The University of Hong Kong
Product	KINECT in Physiotherapy
Local Awards	
Product Description	Physiotherapists often assess and prescribe training sessions to patients. It is difficult for them to memorize all necessary data for analysis. A system named PRCK (Physiotherapy Researching Console using Kinect) is developed for providing

accurate measurements and recordings of user performance. It also provides feedback from data analysis for patients and physiotherapists to facilitate daily training and monitor progress of each individual with the help of Kinect.

PRCK is a system combining motion sensing and physiotherapy. Motion sensor (Kinect in this project) first turns motion into raw data (3D joints coordinates), and these raw data are transformed into sequences of skeleton joint and stored in database. Further analysis with graph plotting and comparisons can also be done based on the records stored. Similar system in hospital can cost up to several million dollars, but our system is now much more affordable for NGOs and we believe it would make revolutionary changes in the physiotherapy world.