CityU Innopreneurial Achievements

Knowledge Transfer Office celebrates the 1st anniversary of CityU Innopreneurship Ecosystem

InnPRES is a phrase extracted from “CityU Innopreneurship Ecosystem”. Around 90 CityU senior management, guests, partners joined the birthday celebration of CityU Innopreneurship Ecosystem and Innovation Commons on 8 September 2016. The event was started with an opening ceremony, followed by a series of activities like booth and exhibitions with featured start-up stories and guided tour to Innovation Commons.

Innovation Commons, together with the effort of Knowledge Transfer Office, have moved our students

“Join CUBIC”

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further from a passive learning in the classroom to active exploration of new knowledge through various entrepreneurial programs and competitions. The programmes are embraced at CityU as part of the unique CityU Innopreneurship Ecosystem 1-2-3 which represents Innovation Commons, Incubator, and 1-2-3 stages of our funding schemes.

“We have tried very hard to build an entire innopreneurship ecosystem for all CityU community members! We believe that every student at CityU should have the opportunity to innovate, and to realize their dreams.” – Mr David Ai, Director of Knowledge Transfer.

IDEA BATTLE - When Ideas Meet Ideas

More than 95 students, speakers, coaches and judges took part in the IDEA BATTLE which was co-organized by CityU and Hong Kong Science Park (HKSTP) on 7-9 October 2016. Eighteen teams were formed with participants from CityU, HKUST, PolyU, HKBU, CUHK and HKU on the first day of the event. After 51 hours of hard work, they pitched their business plans to the judges to get selected to join the “Hong Kong-Chengdu Youth Entrepreneurship Forum (蓉港青年創新創業論壇)” in November 2016.

“Starting up a business is full of adventure. We try, we fail and we grow. We no longer act like a student as we bare the failure and success of our company,” Cherissa Hung Sze-yung, an undergraduate from the Department of Accountancy and a team member of GreenPrice say. “The Knowledge Transfer Office and Innovation Commons play an important role to the growth of our start-up. As young entrepreneurs, we are truly lacking in technological and business knowledge, as well as industrial network. The connection and advices that Innovation Commons provided has made our business possible.”

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Dr Sian Chan, the Innopreneurship Officer, says. “We had also invited other local university students to join the competition so that they can build cross-disciplinary and inter-institutional teams for knowledge sharing on entrepreneurship, creativity and innovation.”

Sian was touched when the judges were surrounded by the participants seeking for comments on their projects or pitches. “The participants are proactive and determined, they formed teams, developed business plan and coordinated pitching. Seeing their growth and potentials, I am truly motivated to provide more support to take their innovative ideas to the next level.”

Three winning teams were selected to join the “Hong Kong-Chengdu Youth Entrepreneurship Forum (蓉港青年創新創業論壇)” on 26-28 Nov 2016.

<table>
<thead>
<tr>
<th>Team Title</th>
<th>Team Members</th>
<th>Project Description</th>
</tr>
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<tbody>
<tr>
<td>Gold Award</td>
<td>Peacify</td>
<td>2 students from CityU 1 student from HKU 1 graduate from HKUST Peacify is a smart sock which monitors baby’s movement, providing a peace of mind for parents.</td>
</tr>
<tr>
<td>Silver Award</td>
<td>Scooter Tech</td>
<td>1 graduate from CityU 1 graduate from HKUST A rechargeable electric scooter aiming to be marketed worldwide.</td>
</tr>
<tr>
<td>Bronze Award</td>
<td>GreenPrice</td>
<td>1 student from CityU 2 students from HKU 1 graduate from HKMC GreenPrice sells safe and decent groceries, which have neared or beyond their best-before date, lawfully at bottom price. Upon customers’ purchase, GreenPrice donates to children in need.</td>
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Cyberport University Partnership Programme (CUPP) 2016 — A Unique Opportunity to Unlock Potentials

CUPP is a joint university programme hosted by Hong Kong Cyberport Management Company Limited. It aims to groom and develop the promising young tech and entrepreneurial talents in Hong Kong.

There was a total of 20 participating teams from 6 local universities, in which 5 were nominated by CityU. The programme offered a unique opportunity for them to gain insights into the global market, and receive top-notch training through company visits in Silicon Valley and a customized one-week entrepreneurship boot camp at Stanford Graduate School of Business in September 2016, plus mentorship in Hong Kong and overseas. All teams had to present their ideas and business models on the Demo Day on 27 October 2016.

We are proud that two of the ten winning teams were from CityU, namely “B-Route” and “Travel Maker”. Each of the teams won HK$100,000 seed funding and became candidates of the Cyberport Incubation Programme to further develop their FinTech business ideas into reality.

B-Route

Fan Hin-wai (Bobby) and Xin Yan from the Department of Electronic Engineering (EE) and Hung Lok-bun (Roy) from the Department of Economics and Finance were awarded for a blockchain ticketing platform called “Ticket-chain”. Customers can buy or resell e-tickets and create their own events via this innovative platform. The team was called B-route and Dr Ray Cheung, Associate Professor of EE, was the supervisor of the project.

“The programme is very intensive. We were connected with established entrepreneurs and industry leaders. Their sharing, recognition and suggestions were encouraging to us,” says Roy.

“It is not easy to be an entrepreneur. We encountered a lot of bugs, errors, stress and discouragement during the month when we were preparing for the Demo Day pitching. The award is definitely a recognition of our hard work, and we would use the cash award to further develop our product,” says Bobby, a team member of B-route. “We are blessed. CityU encourages entrepreneurship and established Innovation Commons, a platform where we can gain relevant know-how and coaching from experts, and get information of various funding schemes and competitions at the University and beyond.”

Travel Maker

The other winning team comprised undergraduates Wong Tsz-chung and So Tak-chun from the Department of Information Systems (IS) and IS 2016 graduates Liu For-chun (Issac), Lam Chi-ki and Lai Ka-wo. The team name was Travel Maker. Their project “Forexchange” is a platform that connects currency exchange stores to the general public. The project supervisors included Dr Terence Cheung, Assistant Professor of IS and Mr Albert Chung, Instructor of IS.

“I can accept failure, everyone fails at something. But I can’t accept not trying.” This quote from Michael Jordan becomes the motto of Issac who grasped the opportunity to take his first step towards entrepreneurship. “Thanks to the nomination and support from the Knowledge Transfer Office. The cash prize of course means a lot to us, but to me, the entrepreneurial experience, such as personal coaching and pitch training, is indeed even more invaluable.”
Chuang Qing Chun (「創青春」) — A National Entrepreneurship Competition

Three teams of students from the College of Business at City University of Hong Kong (CityU) have won Gold, Silver and Bronze Awards in the Chuang Qing Chun National Entrepreneurship Competition.

The biennial competition attracted around 110,000 projects from more than 2,200 higher education institutions across the country in 2016. They entered three categories: Start-up Business Plan, Social Enterprise, and Entrepreneurial Practice. CityU’s three teams outperformed 399 projects from 220 higher education institutions in the final held in Chengdu.

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Category</th>
<th>Team Members</th>
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<tbody>
<tr>
<td>Gold Award</td>
<td>Nanbor Social Enterprise</td>
<td>Eli Chan Yin-lam and Cherissa Hung Sze-ying (Year 3 students, Department of Accountancy); Thadine Ng Wing-yin (Year 3 student, Department of Information Systems; Lisa Yeung Hoi-ying (Year 3 student, Department of Economics and Finance)</td>
<td>An app to provide a babysitting service platform to match up working parents and retirees</td>
</tr>
<tr>
<td>Silver Award</td>
<td>Handyman Start-up Business Plan</td>
<td>Jonathan Cheung Ho-cheuk (Year 3 student, Department of Management Sciences); Alex Cho and May Lam Ka-yan, (Year 3 students, Department of Accountancy)</td>
<td>An app to provide a platform for busy Hongkongers to find helpers to do housework</td>
</tr>
<tr>
<td>Bronze Award</td>
<td>Smart Pay Start-up Business Plan</td>
<td>Roy Suen Man-luen (fresh graduate, Department of Accountancy); Henry Wan Kai-yin (Year 4 student, Department of Information Systems)</td>
<td>A consolidated credit card platform for users to make transactions, check special payments by personalized payment security technologies</td>
</tr>
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</table>

The three teams earned their spots in the final national contest after winning the Hong Kong Regional Final Competition organized by Hong Kong New Generation Cultural Association. Accompanied by staff from CityU’s Knowledge Transfer Office, they went to Chengdu and competed against teams from other provinces and cities.

Joint Incubation Programme by CityU and HKSTP — Where Start-ups are Nurtured

We are proud to be the first partner of Hong Kong Science and Technology Parks Corporation (HKSTP)’s joint university incubation programme. We had collaborated with HKSTP to design and improve the programme for more than 18 months. The programme is now extended to two sister universities, The Hong Kong Polytechnic University and Hong Kong Baptist University.

Under the programme, CityU can recommend high-potential technical start-ups founded by its students, alumni or staff to be the incubator at the newly launched Lion Rock 72 located in InnoCentre, Kowloon Tong or the Science Park at Shatin. The selected teams can enjoy free working space, access to incubation program with financial subsidies and mentorship, and also enjoy the value-added services from both CityU and HKSTP.
Knowledge Transfer Office Newsletter — No.15, December 2016

Application for CityUE Investment Fund!

CityUE Investment Fund, established by CityU Enterprises Limited (“CityUE”), aims to provide funding support to startup companies established by students, alumni, and/or professors of CityU, following a lead venture capital or an angel investor.

Investment amount: up to HK$2.5 million in exchange for a maximum of 10% shares of the company, whichever the lower.

Eligibility: The applicant must be a company registered under the HKSAR Companies Ordinance for not more than 5 years as of the date of application.

Applications are accepted throughout the year.

Don’t miss it!

Enquiry: Ms Agnes Lam
(email: CIFund@cityu.edu.hk, phone: 3442 6784)

For details:

Knowledge Transfer Office (KTO) encourages its staff to learn and borrow good practices from local and overseas counterparts locally and overseas. One example is an interactive session organized by KTO in March 2015 which brought together knowledge transfer officers of sister universities in Hong Kong and two IP experts from the US for exchange and sharing. Taking advantage of the presence of two renowned IP experts, Ms Kirsten Leute, Associate Director of Stanford University’s Office of Technology Licensing and Vice-President of AUTM and Mr Chuck Valauskas, US patent attorney since 1980’s and also Vice-President of AUTM, who were invited by CityU KTO for an international conference, they spent some of their precious time to share experience with KT practitioners in Hong Kong at a round-table discussion on policy issues of technology transfer.

Attending the discussion included senior management of KT offices of local universities who found the event discussion extremely fruitful and rewarding.

KTO was also honoured to have invited Ms Katharine Ku, Executive Director, Office of Technology Licensing (OTL), Stanford University, for a talk in Shenzhen on 17 December 2015. She gave a talk on “Stanford University’s Experience in Technology Management and Commercialization in Silicon Valley” as a CityU Technology Transfer Forum. More than sixty CIBIC members and government officials signed up to the event to know more about established overseas knowledge transfer models.

Similar exchange with senior management of KT Offices of overseas universities involved industry veteran Ms Lita Nelsen, Director of Technology Licensing Office, Massachusetts Institute of Technology. She was the speaker to share her valuable experience about “Catalyst Factors in Successful Tech Transfer – MIT’s Experience” with the KT officers in Hong Kong on 5 November 2015 at CityU.

Ms Lita Nelsen (right) shares her experience at MIT.

Ms Katharine Ku (right) presents in front of Hong Kong and mainland business and industrial executives.
CUBIC Happy Hour Tea Gathering

CityU Business and Industrial Club (CUBIC) aims to build good university-business and industrial relationships. Through our recent two happy hour tea gatherings, we created opportunities for CityU faculty members to meet experts in specific industries, for ideas and views exchange.

Revolutionary electrostatic dry powder coating technology

The coating for pharmaceutical and nutraceutical products have evolved from sugar base to organic solvent base and actually to aqueous base technologies over the years. The dawn of the next quantum leap in the pharmaceutical coating technology has arrived.

On 18 April 2016, Dr Herman Lam, CEO of Powder Pharma Coating Inc. and President of the Calibration and Validation Group (CVG), was invited to share with us the superior and environmentally friendly dry powder coating technology based on electrostatic deposition which was developed to replace the liquid base technologies with a wide range of immediate release and modified applications. He also presented the principle, advantages, applications and market potentials of the dry powder coating technology.

Smart City

Smart City is a hot topic today. This involves a well integration of various latest technologies such as IoT, big data analytics, cloud computing and the conventional technologies like electrical and mechanical. On 5 July 2016, we were honored to have Mr Eric Yeung, the Convenor of Smart City Consortium, to present the current full picture of smart city in Hong Kong, Mainland China and other cities in the world. Also, Dr Kim Fung Tsang, our Associate Professor of Department of Electronic Engineering shared his views on the technology development of Smart City.
Patents Recently Granted to CityU

Transgenic Fish and Uses Thereof
US9043995
Inventors: Professor Cheng Shuk Han et al
Department of Biomedical Sciences

The research group has developed transgenic brackish medaka (Oryzias melastigma), a highly sensitive sentinel for estrogenic chemicals. Estrogenic activity of water samples, food stuff, cosmetics and other commodities can be rapidly and accurately detected by in vivo observation of the onset of fluorescence signal and intensity in fish liver.

Generating and Displaying Holograms
US 9164481
Inventor: Dr Peter Tsang
Department of Electronic Engineering

Techniques for generating 3-D holographic images of a 3-D real or synthetic object scene are presented. A holographic generator component (HGC) can obtain a real or synthetic 3-D object scene. The HGC generates a high-resolution grating, and generates a low-resolution mask based on the 3-D object scene. The HGC overlays the mask on the grating to generate the hologram, which can be a digital mask programmable hologram. The HGC can use the grating as an encryption key, if desired, wherein the mask can be encrypted based on the encryption key. The display component receives the hologram and can generate holographic images, based on the hologram, and display the holographic images using one or more low-resolution displays. The grating and display can be arranged in various formations in relation to each other. A single display can be partitioned into a tile structure for displaying holographic images in the respective tiles.

Composite of Porous Substrate and One-dimensional Nanomaterial
US 9029290
Inventors: Professor Chunsing Lee, Professor Shuittong Lee
Center Of Super-Diamond and Advanced Films (COSDAF)

The present invention relates to a composite of a porous substrate and one-dimensional nanomaterial, which is manufactured by a hydrothermal method. The method for manufacturing the composite of the present invention is simple and low-cost, and the one-dimensional nanomaterial is homogeneously distributed on the porous substrate with tight binding at the interface. The present invention also relates to a surface-modified composite and a method for preparing the same. The composite of the present invention which is hydrophobically modified at the surface can adsorb organic solvents such as toluene, dichlorobenzene, petroleum ether and the like, and greases such as gasoline, lubricating oil, motor oil, crude oil and the like, with a weight adsorption ratio of >10.

Power Amplifier
US 9124217
Inventor: Professor Quan Xue
Department of Electronic Engineering

A power amplifier comprising a plurality of primary amplifying channels arranged to each receive an input signal from one or more signal sources for generating a primary amplified output in each of the plurality of primary amplifying channels, a secondary amplifying channel in communication with the one or more signal sources wherein the secondary amplifying channel is arranged to receive one or more signal components each associated with the input signal received by each of the plurality of primary amplifying channels to form a merged input signal for generating a secondary amplified output, and an electric junction arrangement being in electrical communication with the primary amplified output of each of the primary amplifying channels and the secondary amplified output of the secondary amplifying channel.

Driver Circuit for Powering dc Lamp in Non-dc Lamp Fitting
CN 103688594
Inventor: Professor Henry Chung
Department of Electronic Engineering

A driver circuit for adapting an LED lamp or an LED lamp array to be used in a lamp fitting for a non-LED type lamp without modification of the lamp fitting. The LED lamp or LED lamp array can be inserted into the lamp fitting as a replacement for a non-LED lamp. The driver circuit has a first stage with a filter circuit and having an input connectable to any of an ac power supply, an electromagnetic ballast or an electronic ballast of the lamp fitting; a second stage with a high frequency switched network and having an input connected to an output of the first stage; and a third stage with an ac/dc converter and having an input connected to an output of the second stage and an output connectable to an LED lamp. The third stage is configured to deliver dc power to a connected LED lamp. The second stage is configured to operate in a low frequency mode and in a high frequency mode.
CityU Business and Industrial Club
城大工商协进会

Membership Application Form 会员申请表格

Name of Applicant (*Dr / Mr / Ms / Miss) 申请者姓名 (*博士/先生/女士/小姐)

Miss

* delete as appropriate 请删去不适用者

Position 职位

Company 公司

Business Address 办公地址

Business Nature 业务性质

Telephone 电话  (Office 办公室) (Mobile 手机)

Fax 传真

Email 电邮

I ______________________ (name of applicant) hereby apply for membership of the CityU Business & Industrial Club (CUBIC). I confirm that the information furnished above is complete and accurate and it can be used by CUBIC for membership and CityU related purposes.

本人____________________(申请人姓名)欲申请成为城大工商协进会(CUBIC)会员, 逐此确认上述提供之数据正确无误, 并可被用于与CUBIC会员事务及香港城市大学有关之事宜上。

Signature 签署: ______________________

Date 日期: ______________________

For Hong Kong members, please tick the appropriate box(es) below if you want to obtain the relevant application information for:

香港会员可申请下列证件/信用卡，请在适当空格上剔号。

1) CityU Library Borrower’s Ticket (HK$1,000/year) 城大图书证 (每年港币1,000元)
2) CityU Credit Card (free) 香港城市大学信用卡 (免费)

Please return this form by post to “Knowledge Transfer Office, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong” or email to cubic@cityu.edu.hk.

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