Share Their Joy and Their Pride

Banners to Bags: a business idea with international recognition

Stephanie Wong Hoi-ki
BBA(Law), Year 3

Elyse Kwong Mei-ki
BBA(Law), Year 3

First Runner-up
HKU@COP-Student Sustainability Business Contest

What is the Project about?

B2B, which means banners to bags, aims at providing a “matching service” between HKU and the manufacturers of banner bags in China, with the aim of building a greener and more sustainable HKU.

About the Award

It was an award-winning business idea that gained recognition from the Student Sustainability Business Contest held at Washington University, St Louis as part of the Global Energy Symposium, which was held over the same period in October 2010.

The conference brought together chancellors, principals and executive members of 25 renowned universities worldwide, including the University of Hong Kong, which was represented by Professor Lap-chee Tsui who gave unfailing support to the two students.
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A Whole Heart for Sport and Study

Hayley Victoria Chan Hei-man
Arts, Year 1

Silver Medal in Windsurfing (Women's Mistral)
Games 2010, Hong Kong

“Being an athlete is not only about doing sports and winning the game. It has trained me to become more disciplined and independent,” Hayley says. “Being a windsurfer has given me chances to train and compete overseas, make new friends and see the world.

“I have learned to understand the importance of being committed to my training, and maintaining the desire to win. These are the qualities that make the best athletes. I am gradually learning and have gained more confidence in myself. I have also learned to trust and thank the people around me, since if I ever get a good result, it always has to do with getting the ‘equation to winning’ right, and support is an essential element in it.”
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Constructive Move for Construction Industry

Au Yung-ling
Surveying, Year 3

Kelvin Chan Ho-yung
Surveying, Year 3

Leung Chun-fung
Surveying, Year 3

Tam Kwan-hang
Surveying, Year 3

Gold Award for the Best EPC/RFD Concept
Hong Kong RFID Awards U-21 RFID Award 2010

With a project entitled ‘RFID in Construction Site Safety’, this team of four students won the competition organised by GSI Hong Kong. The competition aimed to enhance collaboration between industry and academia to develop new RFID applications with market potential, as well as inspire new insight in the industry.

Background

• The application of Radio Frequency Identification (RFID) technology in relation to the construction industry and the safety of workers has seldom, if ever, been observed in the market.

• In Hong Kong, the accident rate per 1,000 construction workers is far higher than most major cities in the world including the UK, US, Japan and Australia. The reasons for this include inadequate safety awareness of workers, a lack of commitment at the enterprise level causing low level of safety measures, and a lack of safety training for workers.

What is the Project about?

• RFID tags are proposed to be placed in workers’ safety helmets with 3-point pressure sensors to ensure the workers wear the helmets at all times.

• The system can act as a means of identification to ensure only qualified workers operate heavy machines, and to reduce accidents and injuries to operators and other workers on site.

• The system can greatly improve the attendance record system in the construction industry.
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From Ballet to the Ballroom

Maggie Tai Pui-ling
Social Sciences, Year 3

Awarded in eight individual dances
2010 DC Dancesport Inferno

About the Awards
The 2010 DC Dancesport Inferno was held in the United States, and it was the first time that Maggie had competed in ballroom dancing, when she was on exchange at the University of Virginia.
Maggie won prizes in eight individual dances, from Rumbas to Cha Chas. In the competition, she was a ‘TBA’, which means her dance partner was assigned about 30 minutes before competing for each type of dance. For each event, there were only six to eight pairs out of over 100 couples that entered the finals after continuous rounds of selection.

The First Time with Ballroom Dancing
“I learned ballet when I was young, and the annual performance at my ballet school included Latin dance,” Maggie says. “I have always thought that it is a very cool dance since it makes people feel the passion. Ballroom dancing involves passion from Latin dance and the elegance from standard dance.”

What Was Learned from the Competition
“The experience allowed me to discover my talent in ballroom dance, but it was also an encouraging journey that showed me that with preparation and confidence, I can achieve more than I expected,” Maggie says. “This is one of the most fruitful experiences of my exchange life.”
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Inspiring Ways to Speak about Science

Kaamil Ur Rahman Mohamed Shibly
Mechanical Engineering, Year 2

Grand Winner
FameLab Hong Kong

About the Competition
FameLab Hong Kong is an annual competition hosted by the British Council, in collaboration with the Hong Kong Science Museum and the Hong Kong Education Bureau. It aims to encourage young scientists to inspire and excite public imagination with a vision of science in the 21st century.

Each competitor has to make a three-minute presentation explaining any scientific topic in layman’s terms.

The Award-winning Topic of Speech - ‘The Wonders of Chilli’
The hot taste in chilli is due to an oily compound called capsacin, which stimulates the heat and pain receptors on the tongue. It makes the brain think the tongue is on fire! It is a common misconception that chilli or spices cause ulcers, but it was proved by two Australian scientists that this is actually caused by a species of bacteria. Eating chilli can actually be beneficial as it’s low in fat and contains lots of Vitamin A and anti-oxidants. It even has a larger concentration of vitamin C than oranges.

What Was Learned from the Competition
Since this is a science presentation, the accuracy of one’s scientific content is extremely important. After rigorous research and validation, the next challenge was to simplify the concept so it could be easily understood by laymen. A two-day Master Class, hosted by the British Council for all the finalists, helped a lot in that respect.

To Kaamil Ur Rahman, the competition was a lot of work but also a lot of fun. It also improved his presentation skills.
About the Competition

The competition is aimed at fostering interest in chemistry by looking for the best solutions to given chemistry problems. This year, on the theme of “Chemistry for a Better Living”, contestants have to apply chemistry to domestic households to make the world a better place to live in.

Waste Treatment
I. Conversion of waste water into hydrogen
   - Generating hydrogen through water-splitting reaction using TiO2 as a catalyst
II. Conversion of frumes into hydrogen
    - Generating hydrogen from urea present in urine using an electrolytic cell
III. Conversion of sludge into hydrogen
    - Converting common wastage from household including faces / food leftovers into useful fuel through heating them in a chamber

Energy Management

Hydrogen storage
- H2 is an explosive gas
- Requiring a safe way to store H2
- The use of nano materials will make safe H2 storage possible

Hydrogen as an Alternative Fuel in the Future
- Generating electricity for powering household appliances and for cooking
- As a cleaner fuel which produces water as the only product

Leisure
I. Use of photo-chromatic curtain
   - Photo-chromatic curtain darkens when UV light is intense
   - Made of photo-chromatic molecules which are effective in blocking light
II. OLED newspaper
   - OLED consists of cathode, anode and an organic layer
   - Due to its flexibility, OLED can be used to make electronic newspaper
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Cross-discipline Efforts for Long-term Planning of the Harbour

Master Students of Urban Design and Landscape Architecture

Winner, 1st Runner-up, 2nd Runner-up, and Merit
Western District Harbourfront Planning Competition

Introduction
The design competition was set up to enable the development of initial design concepts for the Western District Harbourfront as part of the long-term planning of the harbour, to improve accessibility.

The groups competing were hence made up of both Master of Urban Design (MUrbanDesign) and Master of Landscape Architecture (MLA) students.

The most important thing the class learned was the experience of working with different disciplines. It was a good experience for both MUrbanDesign and MLA students to appreciate different perspectives, and it provided a good stepping stone for them to begin to understand how urban design projects are developed in the real world.

Boundless Park
- Using a park to re-link the city and the sea
- Using a strip that extends from the city as the basic organizing unit to bring people from the inner city to the waterfront, and also to let the feeling of the sea infiltrate from the waterfront into the inner city
- Focusing on how to eliminate two boundaries of the park: the junction between the sea and the park; and the other between the park and the city, in order to make the city and the sea merge with each other

Cargo Piers
- The need to preserve the Western District cargo pier as an important chapter in Hong Kong’s history
- The barrier-free pier allows the openness to extend right across the pier’s surface and onto the open water of western Victoria Harbour - locals can gather at the pier for various activities throughout the day such as fishing, chatting, jogging or just hanging around in the open air.
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Dancing Pier

- Creating the accessibility for people to reach the waterfront easily, and moving the urban residential area into the waterfront to give some energy to this attractive space.
- The wave-like form and double layers can mix different public activities together and make them communicate. The new public programme and culture can be created through the concept of ‘DANCING PIERS’.

Dimensional Combination

- Creating a destination on the theme of “Eat and Play” (吃喝玩樂)
- As a new DIMENSION to walking, to ease the congestion and to overcome traffic constraints

Disappearing Pier

- Western District, being the very first defined district within Victoria City in the early 20th Century, is a fond memory for every senior citizen.
- The footprint of old memories has faded following the disappearance of Victoria City, the new reclamation along the shoreline and the renewal of the old town.
- The new waterfront promenade is a last resort in Western District to gather local people and encourage the public to rethink the identity of Sai Wan.

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<th>Winner</th>
<th>Chen Xiaomeng</th>
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<td>Dannie Gui Dan</td>
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<td>Dada Huang Yinda</td>
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<td>Daniel Fung King-him</td>
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<td>Seven Qi Siwen</td>
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<td>Patricia Wang Fung</td>
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<td>Chen Junjun</td>
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<td>Winnie Qin Huiya</td>
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<td>Cici Chen Manman</td>
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