

Academic Year 2007-2008 Yuan Ze University Department of Industrial Engineering and Management

Overseas Academic Visiting Report

This academic visit in China was led by Chair Chen Professor Su and Professor Ting . During April 1 to April 4, 2008, they took students to , Hong Kong Polytechnic University, Chinese University of Hong Kong, The Hong Kong University of Science & Technology, proceeding a visiting journey of four days

In spring vacations I had the opportunity to travel to Hong Kong with three of my professors, Dr. Yun-Shiow Chen, Professor and Chair of the Department of Industrial Engineering and Management; Dr. Chuan-Jun Su, Dr. Ching-Jung Ting and with some of my classmates in order to visit two universities to exchange information between our departments.



The first day we departed in the early morning from Taiwan and as soon as we arrived to Hong Kong the tour guide took us by bus to have traditional HK lunch and then we headed to Victoria Harbour to take the ferry from Kowloon to the Hong Kong island to visit Hong Kong Convention and Exhibition Centre.

We walked for a while to know the surroundings to end up our tour in Times Square for either shopping, have food or just relax for 2 hours.

In the second day of our visit we went to the Chinese University of Hong Kong (CUHK). This is a forward looking comprehensive research university with a global vision and a mission to combine tradition with modernity, and to bring together China and the West.

The university has 7 libraries, art museums, music halls, a swimming pool, sports fields, tennis courts, squash courts, a water sports centre and gymnasias.

In our visit to Ho Sin-Hang Engineering Building we learned from the experience of virtual sensitiveness department.

The professors introduced to all of us the department, the members of the staff and their most important research that they are doing for the time being. Then we visited several

laboratories of the department in order to know in firsthand the research and development in the RFID, maritime and computer science fields.

In the evening we visited Victoria Harbour to see the lights show that takes place every single night to delight people with its amazing combination of lights. The avenue of stars is along the harbor with several statues such as Bruce Lee and so on and so forth.

In the third day we visited the Hong Kong Polytechnic University, an university with a proud and illustrious history. Formerly known as the Hong Kong Polytechnic, the Institution assumed full university status in 1994. We took a look of the library and all of its advantages.



At 10:30 am I gave a presentation about my research to my professors, the local professors of HKPU and the students.

My research focuses on determining the storage position of the reshuffled container during static retrieving outbound container. In container yards, one major factor that affects their operational efficiency is the need to re-shuffle containers when accessing a container that is buried beneath other containers. The problem concentrates on a yard bay with several tiers in every stack.

To ensure the fluency of loading operations, besides minimizing the total number of reshuffles, controlling the number of reshuffles for single retrieve container operation into average is also very necessary. The optimization model is built, with an objective to minimize the total number of reshuffles for the operations, and with constraints to ensure the number of reshuffles for each retrieve container operation within the average range furthest.

After the presentation we had time to visit the Department of Industrial & Systems Engineering RFID technology that involves Radio Frequency Tags (RF Tags) / Label / Printed Circuit Board (PCB) that contains a coil, a programmed chip and antenna, which uses radio waves to read and write data with external devices.



For dinner we visited the Jumbo floating restaurant to enjoy Dim sum which is the name for a Chinese cuisine which involves a wide range of light dishes served alongside Chinese tea. Dishes may include meat, seafood, and vegetables, as well as desserts and fruit. The items are usually served in a small steamer basket or on a small plate. Yum cha (literally "tea drinking") is the term used to describe the dining session, especially in contemporary Cantonese.

Later we went to Victoria Peak by bus in order to take a look of the excellent views over the Victoria's harbour and skyscrapers of Hong Kong.

Then we took the Peak Train in order to get back to our hotel. This is located in the upper terminus, below the Peak Tower shopping and leisure complex at Victoria Gap, some 150 meters below the summit of Victoria Peak.

Finally, the last day of our visit to Hong Kong we had the day free to visit the places of our own interest, either for shopping or relax.

Was a nice experience to visit several schools, present my research abroad and have fun at the same time.

My most sincere gratitude my professors and to the staff of Industrial Engineering and Management for such a wonderful experience in Hong Kong.

