Report on "The Shanghai Delegation" – 23 August 2005

By : Engr. Ngeow Yen Wan

Figure 1: Overlooking beautiful Pudong at the Bund beside HuangPu River

During the session 2004/2005, the Graduate and Student (G&S) Division of ICE HKA launched a networking project, comprising of a series of events. The project had the following aims:

(i) exploring civil engineering development in the Asia Pacific region;
(ii) appreciating the future moves of young engineer groups in Asia Pacific region in the civil engineering society and
(iii) establishing a sustainable relationship with young engineer groups in the region.

The project lasted for two years. The 1st and 2nd events of the project are were delegations to Singapore and within Malaysia respectively.

Delegation to Shanghai was to be the last event of the project. Delegates from other countries were invited for a five days visit to Hong Kong before eventually meeting in Shanghai on 23 August 2005. Engr. Teh Tyzz Wooi and Engr. Ngeow Yen Wan responded to ICE HKA's kind invitation and represented IEM G&S at the event. A total of 15 delegates from various other countries participated in this Shanghai delegation.

Shanghai is located in the middle of China's coast-line, a world-famous metropolis in China. During the nineteen, twenties and thirties of the last century, this great metropolis was acclaimed as "The New York of the East" and "The Paris of the Orient". As one of the four municipalities directly under the central government, Shanghai is the most prosperous commercial city in China.

Figure 2: Night walk at the famous Shanghai Bund

Figure 3: The team spirit shown by committee Members of ICE Hong Kong in studying the Shanghai map before the start of journey early in the morning

It is also famous for its 'open-to-outside-world' policy and is rich in social and tourist resources. The city occupied a total of 6,340.5 km^2 in land area, of which the urban area is approximately 749 km^2. With 16 districts and 3 counties under its jurisdiction, it has a population of 16.7 million people whereby majority of them are of Han nationality. Situated in the subtropical zone, Shanghai enjoys an annual average temperature of 15.7 $^{\circ}$C.

Through careful planning and arrangements by ICE HKA G&S, many interesting technical visits were carried out, such as trips to the Bridge and Tunnel Museum, Shanghai South Railway Station, Jin Mao Building and Shanghai Construction Group.

There was also a discussion held with Engineer Jiang Huan Cheng, a member of the Chinese Academy of Engineering and Principal Director for Jiang's Architects and Engineers, which was the lead design team for the Shanghai East Oriental Tower (468m). Mr. Jiang was the then Design Director of Shanghai

Figure 4: Meeting with Mr. Jiang, the architect for Jakarta Tower

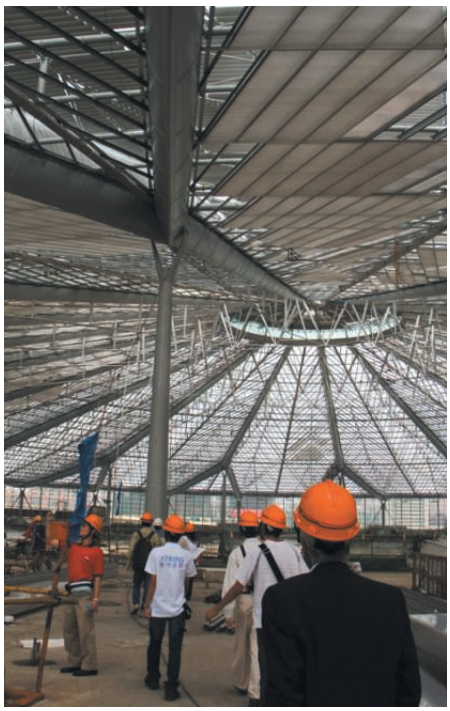

Figure 5: Site visit to Shanghai South Railway Station

Oriental Tower and is currently involves in the construction of Jakarta Tower, which would be the world highest tower with a height of 558m. Mr. Jiang stressed the importance of a design style that embodies the theory of "Safe, Practical, Economy and Beauty", a concept that should be practised by all engineers.

On 26 August 2005, another discussion was held at Shanghai Jiaotong University. Professor Liu Xila from Department of Civil Engineering Shanghai Jiaotong University and the Vice-Chairman of China's Committee for the World Federation of Engineering Organisations (WFEO-CHINA), Mr. Phil Hardy-Bishop (Chairman of ICE UK), Mr. Douglas (Vice Chairman ICE HKA G&S), Ir. Teh Tyzz Wooi (IEM G&S Representative) and Engr. Ngeow Yen Wan (IEM G&S External Affairs Director) presented an introduction of their respective institutions and the current construction developments of their own country. Topics discussed included engineering challenges in constructing high rise buildings and transportation problems faced by each delegation from their respective country. All the delegates flew back to Hong Kong the following day embodied with knowledge, experience and sweet memories that they have gained throughout the above event. ■

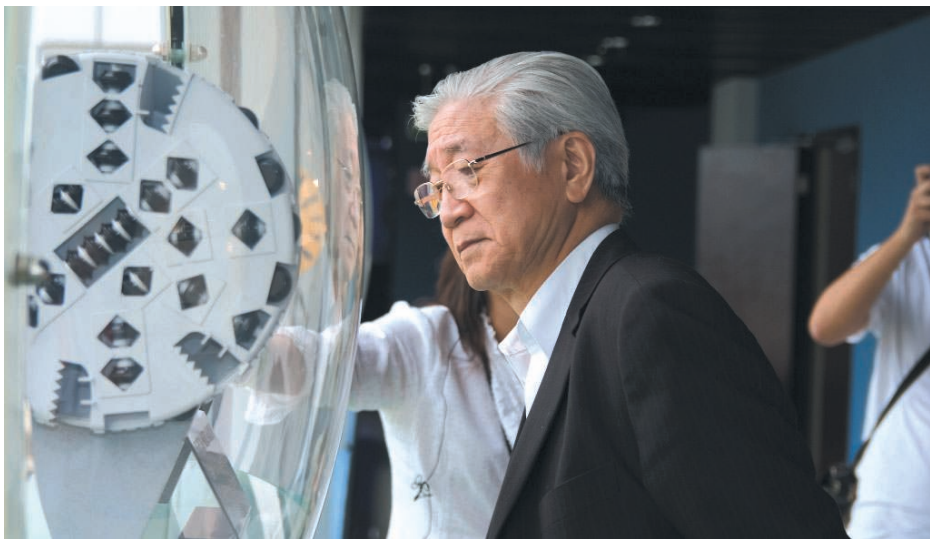

Figure 6: A tunnel boring model attracting the attention of one of the Hong Kong delegates during the Bridge and Tunnel Museum visit

Figure 7: Delegates paying their full attention during the proceeding at Shanghai Jiaotong University

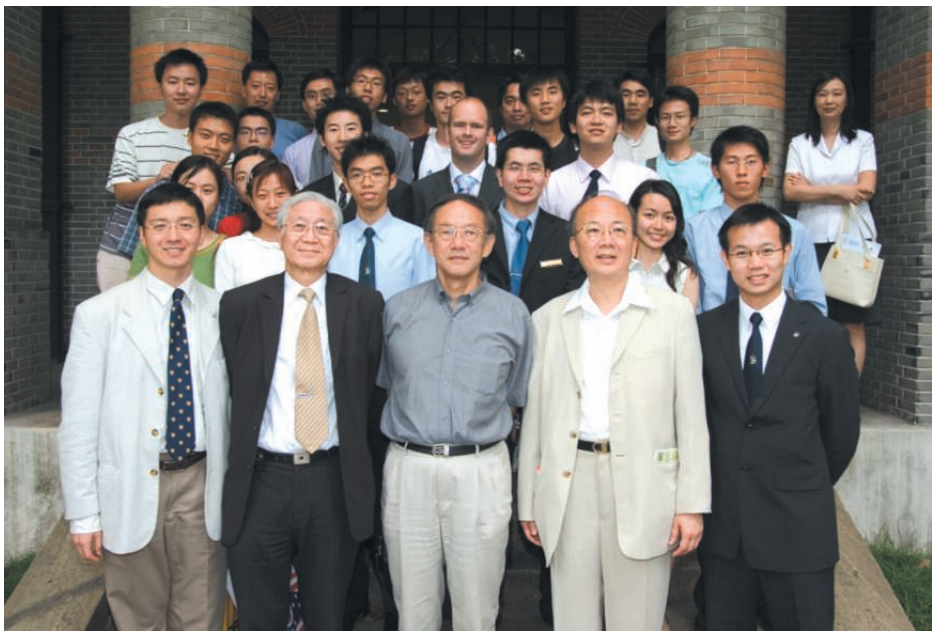

Figure 8: Group photo with Professor Liu Xila (third from right) at the Shanghai Jiaotong University