

**ASHRAE Region XIII 17th Chapters Regional Conference (CRC)  
15-16 August 2014 (Friday – Saturday)  
Howard Plaza Hotel, Taipei, Taiwan**

**STUDENT PROGRAM**

**15 August 2014  
(Friday)**

- 08 45 – 09 00** Assemble at the Lobby of Howard Plaza Hotel, Taipei
- 09 00 – 12 00** Attend Technical Seminar of CRC
- 12 00 – 12 45** Lunch **(have meal package on the tour bus)**
- 12 45 – 13 45** Depart from Hotel to Taoyuan **(by tour bus)**  
Technical Visit
- 13 45 – 15 00** Visit Hitachi Appliances, Inc. in Taoyuan
- 15 00 – 15 30** Transportation
- 15 30 – 16 30** Visit Hanbell Precise Machinery Co., LTD. in Taoyuan
- 16 30 – 18 00** Back to Hotel
- 19 00 – 22 00** CRC Banquet dinner / Student Performance

**16 August 2014  
(Saturday)**

- 08 10 – 08 30** Assemble at the lobby of Howard Plaza Hotel, Taipei  
(Punctuality is appreciated)  
Visit NTUT (National Taipei University of Technology)  
**(by bus)**
- 08 50 – 09 20** Welcome Speech by International Affairs Chief
- 09 20 – 09 40** Brief Introduction by the Chair of ERAC Department
- 09 40 – 10 00** Tea Break
- 10 00 – 12 00** Labs Tour and Technical Exchange
- 12 00 – 12 40** Lunch **(boxed meal at NTUT)**  
City Tour
- 12 40 – 13 40** Depart from NTUT to Xinbeitou District **(by bus)**
- 13 40 – 15 00** Xinbeitou Library (Green Building)
- 15 00 – 16 00** Beitou Hot Springs Museum
- 16 00 – 17 00** Thermal Valley
- 17 00 –** Back to Howard Plaza Hotel or Shilin Night Market

- 15 August 2014 (Friday)

**Hitachi Appliances, Inc.**



Since the establishment of its first Taiwan representative office in 1953, Hitachi in Taiwan has developed into a well-organized conglomerate with more than 20 affiliated institutions, 4,000 above of employees, and US\$ 4 billion of annual sales turnover.

Currently, 4 main business categories make up the Hitachi in Taiwan:

**1. Terminal Sales of Products and Services**

Including consumer-related home appliances, air-conditionings, enterprise-related logistics services, solution packages including data storage.

**2. Social Infrastructures and Industrial Equipments**

Including social infrastructure products, systems related to power & energy, transportation, electric equipment and construction machinery.

**3. Components, Materials and High-tech Manufacturing Equipments**

Including key components of storage, video, communication that relates to ICT applications, high-functional materials, and high-tech semiconductor and LCD-panel manufacturing equipment.

**4. Global Procurement**

Including the purchases of the full set or components of PCs, TVs and semiconductors.

**Hanbell Precise Machinery Co., LTD.**



Hanbell is one of the top screw compressor/vacuum pump makers in the world. The company specializes in research/development of screw technology and owns many multinational patents. The company's advanced precision machining/measuring tools and lean production ensure the products' high quality and fast lead time. The main products include refrigerant screw compressors/centrifugal compressors for chillers, low-temp screw compressors, screw air compressors, screw dry vacuum pumps, which are widely used in all commercial and industrial applications. All of them outperform in full-load/part-load efficiency and reliability.

- 16 August 2014 (Saturday)

**National Taipei University of Technology**



Established in 1912, Taipei Tech is among one of the oldest universities in Taiwan. It was first established during the Japanese Colonial Period as the Auxiliary Industrial Institute of the Education Affairs Office of the Civil Administration Department. In 1948 the school was renamed as Provincial Taipei Institute of Technology providing five-year associate degree programs. In 1997, the school was promoted to University status, and was renamed as National Taipei University of Technology (Taipei Tech). With the long-standing history and experience in education, Taipei Tech devotes to cultivating top technical professionals. Taipei Tech specializes in three fields: technology, design and management. It is Number One Paradigm Technological University for its research and academic excellence.

**Department of Energy and Refrigerating Air-Conditioning Engineering (ERAC)**

This department originated from the refrigeration and air-conditioning division of the department of electrical engineering since 1964. It was then the first college level course in Taiwan in this area of study. We emphasize collaboration with the industries. Students are trained to meet the needs of the industry. The department established the first ASHRAE student branch in Taiwan, the students are encouraged to participate in international conferences and activities.

**Xinbeitou Library (Green Building)**



Built in different way with traditional construction, Beitou Library was designed as a “Green Building Library.” It is not constructed by steels and cements. It is a big tree house in the park. Readers can enjoy viewing mountainous scenery and relaxing breeze while they are reading.



## Beitou Hot Springs Museum



Its original name was “Beitou Public Bathhouse” built in 1913 with same style of bathhouse at Izushan in Japan. It was constructed with combination of English and Japanese styles. The materials used were bricks, woods, black tiles, etc. Visitors are requested to put on museum slippers when they enter. They can enjoy the relaxing feeling by imaging the elegant and classic taste created by Roman style bath pool and its big tatami hall.

## Thermal Valley



It was exploited in 1911, a source of green sulfur hot spring. Visitors used to boil eggs there, making its name “A hell for boiling eggs.” It has been under management by Taipei Water Department for years. Landscape, pipes system, reservoir, trails with rails, pavilions, etc. have been well constructed. The misty phenomenon year round has created a fantasy atmosphere there.