ASHRAE Region XIII 10th CRC 2007

Date: 3rd & 4th August, 2007
Venue: Howard Plaza Hotel
Taipei, Taiwan

Hosted by ASHRAE TAIWAN CHAPTER
About Taiwan

Taiwan's total land area is only about 36,000 square kilometers; it is shaped like a tobacco leaf that is narrow at both ends. It lies off the southeastern coast of mainland Asia, across the Taiwan Straits from Mainland China-- a solitary island on the western edge of the Pacific Ocean. To the north lies Japan and Okinawa, to the south is the Philippines. Many airlines fly to Taiwan, helping make it the perfect travel destination.

Taiwan lies on the western edge of the Pacific "rim of fire," and continuous tectonic movements have created majestic peaks, rolling hills and plains, basins, coastlines, and other wonders. Taiwan sees climates of many types: tropical, sub-tropical, and temperate, providing clear differentiation between the different seasons. There are about 18,400 species of wildlife on the island, with more than 20% belonging to rare or endangered species; among these are the land-locked salmon, Taiwan mountain goat, Formosan rock monkey, Formosan black bear, blue magpie, Mikado pheasant, Hsuehshan grass lizard, and many more.

The government has established 6 national parks and 13 national scenic areas to preserve Taiwan's best natural ecological environment and cultural sites. Take in the splendor and sheer heights of the cliffs at Taroko Gorge; take a ride on the Alishan train--one of only three mountain railways in the world--and experience the breathtaking sunset and sea of clouds; hike up to the summit of Northeast Asia's highest peak, Jade Mountain. You can also soak up the sun in Kending, Asia's version of Hawaii; stand at the edge of Sun Moon Lake; traips through the East Rift Valley; or visit the offshore islands of Kinmen and Penghu. It's fun in capital letters as well as an awesome journey of natural discovery!

The cultural aspects also not to be missed. The blending of Hakka, Taiwanese, and mainland Chinese cultures has produced a rich plethora of cultural and social color. Whether it is religion, architecture, language, living habits, or food, it's just one big exciting melting pot! Food is the best representative of this cultural mixing and matching. Aside from cuisines from different parts of the mainland such as Zhejiang, Hunan, Guangdong, Yunnan, Shanghai, Beijing, Sichuan, and others, there is also the local Taiwanese cuisine as well as the local delicacies of each area.
Conference Location/Taipei

The city is situated in a basin in northern Taiwan. Building on solid foundations laid by the ancestors of its present-day residents, that was inhabited by aboriginal peoples until settlers from China moved into the area about 300 years ago. The first permanent settlements were in the present-day districts of Wanhua and Datong, in western Taipei. These areas still retain many of their old customs, as visitors can readily see in the architecture, sculptures, and ceremonies of the old streets and temples. Taipei has risen in prominence in the sixty years since Taiwan's freedom from Japanese rule to become the political, economic, educational, cultural, transportation, information and technology hub of the country. It has transformed itself into one of the world's foremost international cities, a dazzling showcase of urban development in the 21st century.

As the capital of the Republic of China, Taipei is a vibrant blend of traditional culture and cosmopolitan life. Taipei is the political, economic, educational and recreational center of the country, offering an array of significant cultural sights. A more recent cultural focal point in the city is the National Palace Museum, which houses hundreds of thousands of Chinese antiques and art works. The museum is located in the north of the city and is a must-see for lovers of ancient Chinese culture. Eastern Taipei was largely underused fields until the nineteen-seventies, when the city began to develop the area as a financial and commercial district. Here, the modern face of Taipei shines through, with its glass and steel skyscrapers, wide boulevards, Taipei 101, and the World Trade Center. Taipei also boasts dozens of world-class performance venues, where you can enjoy world-class theater and concert events. The city also offers a wide range of other diversions -- shopping malls, nightclubs, live-music bars, quality hotels, and exotic restaurants.

With the wealth of interesting and fun activities available in Taipei, and its warm hospitality, visitors are certain to have an unforgettable experience in this remarkable city.
The conference hotel, Howard Plaza Hotel, has offered the following special conference rate to our delegates:

<table>
<thead>
<tr>
<th>Room Type</th>
<th>Superior Single</th>
<th>Superior Twin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate</td>
<td>NT$4,150 net / room / night</td>
<td>NT$4,550 net / room / night</td>
</tr>
<tr>
<td></td>
<td>(including one breakfast)</td>
<td>(including two breakfasts)</td>
</tr>
</tbody>
</table>

Room can be booked directly with the Reservation Form. The contacts with the hotel are

The Howard Plaza Hotel Taipei
160 Ren Ai Road, Sec. 3, Taipei, Taiwan, R.O.C.
Contact: Amy Chen (Ms.)
Tel: 886-2-2326-7527
Fax: 886-2-2708-2376
E-mail: Amy8556-tp@howard-hotels.com.tw
Website: http://taipei.howard-hotels.com/?Lsn=2

Please mention the “ASHRAE Region XIII CRC 2007” in your booking request.

****TRANSPORT INFORMATION****

**[Car]**
From Zhongshan Freeway connect to Jianguo Bridge and exit at Zhongxiao Road. Turn left to Fuxing South Road and then right onto Ren Ai Road. The hotel is on the left of the boulevard.

**[Bus]**
Bus Number: 245, 261, 263, 270, 311, 37, 543, 621, 630, 651, 665, 204, 278, 685, 74
MRT: Zhongxiao Fuxing Station, Nangang Line or Muzha Line

**[Airport]**
Airport bus: Airport to hotel NT$145/per trip (50 minutes).
Limousine Service – NT$1470/per trip

There are other choices of hotels below within walking distance not more than 15 minutes to the conference hotel.

5. Grand Hyatt Taipei http://taipei.grand.hyatt.com/hyatt/hotels/index.jsp
7. Other Hotel information as below website http://www.taipeitravel.net/en/J0101.asp?pcode=2&indexId=100

**Weather**
Temp: 28°C to 35°C
Humidity: 78% in average

**Power Supply**
110V/60Hz/2-pin plug
Speaker: **Chiang, Hsu-Cheng**  
**Title:** The Technology Development of Inverter-Fed Screw Compressor and Chiller Units  
Dr. Hsu-Cheng Chiang received his Ph.D. degree in mechanical engineering from North Carolina State University, USA, in 1991. He served for Energy & Environment Laboratories (EEL), Industrial Technology Research Institute (ITRI), Hsinchu, Taiwan, and in the senior researcher position from 2003. He has 15 years of experiences in the field of healthy and sustainable built environment, that cover from the development of high performance ACR equipment to the optimized system integration. Many of the projects have shown his achievements in the technologies development of thermal storage systems, DC-driven split-type air conditioners, screw-type chiller and centrifugal chiller, air filtration and air cleaners, and many more. He is currently supervising several testing laboratories, including chiller performance testing laboratory, convenience stores equipment test chamber, as well as a large-scale climatic simulation house in EEL. Recently, he also involves in the steering of engineering services business associated with the energy-saving and indoor environment improvement.

Speaker: **Tse, Vincent Kam-Chuen**  
**Title:** Mega HVAC Projects in Asia's Las Vegas  
Mr. Vincent Tse is the Managing Director of the Parson Brinckerhoff Asia, Hong Kong Office. He has over 25 years of experience in mechanical and HVAC system design with particular focus on the following areas: that are ‘Mega and Super-Highrise Building Projects and District Cooling Systems and Trigeneration’, ’Hospital and Research Facilities Projects’, ‘Performance-based Fire Engineering Approach’, ‘Energy Saving and management’, and ‘CFD Application in Thermal Modelling, Fire Engineering, Daylighting and Wind Engineering’. Mr. Tse obtained his M.S. Degree in Building Services Engineering from the University of Manchester, Institute of Science and Technology, UK. He is an ASHRAE Fellow, and has served as President of the ASHRAE Hong Kong Chapter in 1990-91. He was the first Region XIII Director and was Regional Chair from 1998-2001. He is also a Vice-President of ASHRAE HQ, and the Fellow of HKIE, CIBSE, and IMechE.

Speaker: **Mark Nunnelly**  
**Title:** Humidity Control for the Commercial Buildings  
Mark Nunnelly is a mechanical engineering graduate of Auburn University, is a registered professional engineer and has been involved in the construction, engineering and HVAC industry for over 25 years. Over the last ten years, his involvement with projects has primarily pertained to the humidity control and ventilation air treatment for commercial and industrial buildings. Nunnelly & Associates, Inc. is primarily engaged in humidity control consulting and training. He has presented numerous training seminars on dehumidification technologies (desiccant and mechanical-based) and their applications, as well as psychrometrics and designing for proper humidity control. He has been a member of the American Society of Heating, Refrigerating and Air-conditioning Engineers (ASHRAE) for over 21 years. He is a past President for the Birmingham, AL chapter, has recently served as Chairman for the Society’s Membership Promotion Committee, currently serves on the Environmental Health Committee and is recognized as one of ASHRAE’s Distinguished Lecturers. He is also a member of the American Society for Healthcare Engineering (ASHE).
ASHRAE REGION XIII
10th CHAPTER REGIONAL CONFERENCE
TAIPEI TAIWAN
3rd & 4th August, 2007

CALENDAR OF EVENTS

<table>
<thead>
<tr>
<th>Day 0</th>
<th>Thursday, 2nd August, 2007</th>
<th>Location</th>
<th>Remark</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-15:00</td>
<td>Pre-CRC Golf, half day</td>
<td>Formosa Golf &amp; country club</td>
<td>All</td>
<td>E</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Day 1</th>
<th>Friday, 3rd August, 2007</th>
<th>Location</th>
<th>Remark</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-12:00</td>
<td>Conference Registration</td>
<td>(B2F/ in front of OSMANTHUS room)</td>
<td>All</td>
<td>A</td>
</tr>
<tr>
<td>09:00-12:00</td>
<td>Technical Seminar</td>
<td>Seminar Room 1 (B2F/Banquet I)</td>
<td>All</td>
<td>A</td>
</tr>
<tr>
<td>12:00-13:30</td>
<td>Presidential Luncheon &amp; Awards Presentation</td>
<td>Luncheon Room (3F/Dragon Hall)</td>
<td>All</td>
<td>A</td>
</tr>
<tr>
<td>14:00-16:15</td>
<td>Business Session NO. 1</td>
<td>Business Room 1 (B2F/Banquet III)</td>
<td>All</td>
<td>A</td>
</tr>
<tr>
<td>16:15-17:00</td>
<td>Workshop for Motion Preparation</td>
<td>Meeting Room 1 (B2F/Banquet III)</td>
<td>All</td>
<td>A</td>
</tr>
<tr>
<td>17:00-18:00</td>
<td>Orientation/Caucus (Delegates &amp; Alternates only)</td>
<td>Meeting Room 1 (B2F/OSMANTHUS room)</td>
<td>D&amp;A</td>
<td>A</td>
</tr>
<tr>
<td>19:00-22:00</td>
<td>Banquet Dinner</td>
<td>Ballroom (B2F/Banquet I)</td>
<td>All</td>
<td>A</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Day 2</th>
<th>Saturday, 4th August, 2007</th>
<th>Location</th>
<th>Remark</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00-09:00</td>
<td>Executive/Caucus Breakfast (Delegates &amp; Alternates only)</td>
<td>Breakfast Room (4F/Maxim)</td>
<td>D&amp;A</td>
<td>A</td>
</tr>
<tr>
<td>09:15-10:30</td>
<td>Chapter Operation Workshop</td>
<td>Business Room 1 (4F/CR-406)</td>
<td>All</td>
<td>A</td>
</tr>
<tr>
<td>10:45-12:00</td>
<td>Committee Workshops - Membership Promotion - Student Activities</td>
<td>Meeting Room 1 (4F/CR-405)</td>
<td>Officer</td>
<td>A</td>
</tr>
<tr>
<td>12:00-14:00</td>
<td>Host Chapter Luncheon</td>
<td>Luncheon Room (3F/Dragon Hall)</td>
<td>All</td>
<td>A</td>
</tr>
<tr>
<td>14:15-15:30</td>
<td>Committee Workshops - CTTC - Research Promotion</td>
<td>Meeting Room 2 (4F/CR-406)</td>
<td>Officer</td>
<td>A</td>
</tr>
<tr>
<td>15:45-17:00</td>
<td>Business Session NO. 2</td>
<td>Business Room 1 (B2F/Banquet III)</td>
<td>All</td>
<td>A</td>
</tr>
<tr>
<td>17:00-18:00</td>
<td>CRC Review Meeting</td>
<td>Meeting Room 1 (B2/Banquet III)</td>
<td>Host</td>
<td>A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Day 3</th>
<th>Sunday, 5th August, 2007</th>
<th>Location</th>
<th>Remark</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-11:30</td>
<td>RPM</td>
<td>4F/The Lelouvre Restaurant</td>
<td>Officer</td>
<td>A</td>
</tr>
</tbody>
</table>

Remark:
1. All means the function attended by all members and other participants.
2. Officer means the function attended by the delegate, alternate and chapter officers.
3. D&A means the function attended by the delegate & alternate within the region.
4. Host means the function attended by the member of CRC host committee and invitation.
5. The availability of sightseeing tour is subject to the no. of participant in this program.
6. "*" means package F for student only.

★★★TAIWAN Chapter CRC 2007 Organizing Committee★★★
ASHRAE REGION XIII 10th CHAPTER REGIONAL CONFERENCE 2007
Howard Plaza Hotel Taipei, Taiwan, 3rd & 4th August, 2007

REGISTRATION FORM

Name ___________________________ Companion/Spouse ___________________________
Address __________________________ Phone __________________________ Fax __________
City __________________________ E-mail __________________________
State/Province _______________________ Country __________________________ Post Code __________
Chapter __________________ Region __________ Member* □ Y / □ N Delegate/Alternate* __________
□ Society Officer* □ Life Member* □ Fellow* □ Member* □ Associate Member* □ Student* __________
*Mark with a 'X' as appropriate.

<table>
<thead>
<tr>
<th>Items</th>
<th>Before 1st July, 2007</th>
<th>On-Site or After 1st July, 2007</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Package A - Technical Seminar</td>
<td>NT $ 2000</td>
<td>US $ 60</td>
<td>NT $ 2500</td>
</tr>
</tbody>
</table>
Includes: Registration, Technical Seminar, Coffee/Tea Break, Presidential Luncheon

| Package B - Business Sessions | NT $ 8300 | US $ 250 | NT $ 9900 | US $ 300 |
Includes: Registration, Presidential Luncheon, Business Sessions No.1, Workshop for Motion Preparation Orientation/Caucus(Delegates & Alternates Only), Banquet Dinner, Executive/Caucus Breakfast (Delegates & Alternates only), Chapter Operation Workshop, Committee Workshops, Host Chapter Luncheon, Committee Workshops, Business Sessions No.2, CRC Review Meeting, Coffee/Tea Breaks

| Package C - Full Package | NT $ 9900 | US $ 300 | NT $ 12000 | US $ 350 |
Includes: All of package A and package B

| Package D – Spouse’s Package | NT $ 2700 | US $ 80 | NT $ 3000 | US $ 90 |
Includes: Registration, Banquet Dinner, City Tour (9:30~14:30 on 3rd August, 2007)

| Package E Pre-CRC Golf Fellowship | NT $ 3000 | US $ 90 | NT $ 3300 | US $ 100 |
At Formosa Golf & country club (inclusive of green fees & caddy fees)

| Package F: Student Workshop program | NT $ 3600 | US $ 110 | NT $ 4300 | US $ 130 |
Includes: Registration, Technical seminar, student workshop, Banquet Dinner

Signature: ___________________________ Total amount enclosed __________
Date: ___________________________ (Delete as appropriate) __________

Refund Policy:
withdrawal notice is received before 1st July 2007.
No refunds will be allowed, and the replacement delegate will be accepted.

1. Payment in US $ by International Bank Draft or Money Order.
2. By Remittance in New Taiwan Dollar to:
   TAIPEI FUBON COMMERCIAL BANK Minsheng Branch
   SWIFT BIC: TP BK TWTP
   A/C Name: Taiwan Refrigeration and Air-Conditioning Engineering Association of Republic of China
   A/C No: 454102254571
   A/C Address: No. 2, Lane 137, Sec. 5, Minsheng E. Rd, Taipei City 10581, Taiwan. R.O.C.
   Telephone No.of Beneficiary: 886-2-2766-5423 Fax: 886-2-2766-4744 Ms. Lin
   E-mail: alpha123@ms9.hinet.net / bill.wang@maaconsultants.com
   Please make drafts, money order or check payable to TU, SHIH TA, and also mail the registration form with payment to ASHRAE TAIWAN Chapter.
Howard Plaza Hotel Reservation Form

2007 ASHREA Region XIII CRC In Taiwan
2nd - 5th August, 2007

The Howard is offering special rates to participants of the 2007 ASHREA REGION XIII CRC Taipei. To make your reservations, please complete the accompanying form with the appropriate information and return one copy by fax to the corporate sales office before 1st July, 2007.

The Howard Plaza Hotel Taipei
160 Jen Ai Road, Sec. 3, Taipei, Taiwan, R.O.C.
Tel: 886-2-2700-2323 Fax: 886-2-2700-0729

Amy Chen (Ms.)
Sales Dept.
Tel: 886-2-2326-7527
Fax: 886-2-2708-2376

ROOM TYPE & SPECIAL ROOM RATE
Amy8556-tp@howard-hotels.com.tw

<table>
<thead>
<tr>
<th>Room Type</th>
<th>Superior Single</th>
<th>Superior Twin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tariff Rate</td>
<td>NT$8,500+10% / room / night (Without breakfast)</td>
<td>NT$8,500+10% / room / night (Without breakfast)</td>
</tr>
<tr>
<td>Special Rate</td>
<td>NT$4,150 net / room / night (including one breakfast)</td>
<td>NT$4,550 net / room / night (including two breakfasts)</td>
</tr>
</tbody>
</table>

Reservations information: (Please type or print clearly)

Number of Guest/s: ______
Mr. / Ms. / Mrs. / Last Name ____________________ First Name ____________________
Company Name: ____________________
Telephone: ____________________ Fax: ____________________
Arrival Date: ________________ Arrival Flight: ____________________
Departure Date: ________________
Number of Rooms Required: Superior Single ______ Superior Twin ______

Transportation Arrangement (C.K.S. International Airport Pick-Up):
___ Limousine (NT$1,470 / car / trip)
Number of persons ______

Payment:
Credit Card: Visa _____ JCB _____ MasterCard _____ American Express _____ Diners _____
Credit Card Number: ____________________
Date of Expire : ____________________
Signature : ____________________ Date: ____________________

* Note: Reservations and room allocation for any of the requested room type will be done on a “First come, First served” basis along with the first night deposit or guarantee your reservation by giving credit card details. Any cancellation of reservations within 72 hours, will be subject to a charge of one room night.
Map of Howard Plaza Hotel In B2F

- **Banquet I**
- **Banquet III**
- **Registration**

**Free Lan services 08:30~17:00**
Map of Howard Plaza Hotel In 4F
Student Workshop Program

3\textsuperscript{rd} August, 2007  12:00~17:45

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 ~ 14:00</td>
<td>Heading to ITRI</td>
<td>Lunch &amp; Travel</td>
</tr>
<tr>
<td>14:00 ~ 16:30</td>
<td>ITRI</td>
<td>Lab tour</td>
</tr>
<tr>
<td>16:30 ~ 17:45</td>
<td>Back to Taipei</td>
<td>By Bus</td>
</tr>
</tbody>
</table>

4\textsuperscript{th} August, 2007  09:00~17:00

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Host</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00 ~ 09:10</td>
<td>NTUT</td>
<td>Chairman Prof. YC Shih and Prof. S.C. Hu</td>
<td>Welcome address and brief introduction to the Department of Energy and Refrigerating Air-conditioning Eng.</td>
</tr>
<tr>
<td>09:10 ~ 10:00</td>
<td>Each Laboratory</td>
<td>S.C. Hu</td>
<td>Lab. tour</td>
</tr>
<tr>
<td>10:00 ~ 11:30</td>
<td>NTUT</td>
<td>Student Branch</td>
<td>Student Activities</td>
</tr>
<tr>
<td>11:30 ~ 11:50</td>
<td>NTUT</td>
<td>Student Branch</td>
<td>Introduction the Taipei City</td>
</tr>
<tr>
<td>12:00 ~ 12:30</td>
<td>NTUT</td>
<td>Student Branch</td>
<td>Lunch</td>
</tr>
<tr>
<td>12:30 ~ 17:00</td>
<td>Taipei</td>
<td>Student Branch</td>
<td>City tour by own expense</td>
</tr>
</tbody>
</table>

- ITRI= Industrial Technology Research Institute
- NTUT= National Taipei University of Technology

Hotel Information

Taipei Hero House 國軍英雄館
Tel : 886-2-23319722
Add : 台北市長沙街一段 20 號
Price: NTD 300/person
Website: [http://www.fafaroc.org.tw/herohouse.htm](http://www.fafaroc.org.tw/herohouse.htm)

Hostelling International Taipei 台北青年旅社
Tel : 886-2-23952950
Add : 台北市林森北路五巷 11 號 6 樓
Price: NTD 500 single, NTD 550 double

Taipei House 台北之家
Tel : 886-2- 25035819
Add : 台北市松江路 293 號 11 樓
Price: NTD 490 single, NTD 1,280 double
Website: [http://www.taipei-house.idv.tw/](http://www.taipei-house.idv.tw/)
空軍官兵活動中心
Tel：886-2-27524730 轉 104,105
Add：台北市仁愛路3段145號
Price：NTD 1,200 double
Website：none

KTM Hotel 凱統大飯店
Tel：886-2-27211162
Add：台北市忠孝東路三段8號
Price：NTD 2,180 double
Website：http://www.highness.com.tw/kdm/aboutus.php

China Youth Corps 劍潭青年活動中心
Tel：886-2-8852151~9
Add：台北市中山北路四段16號
Price：NTD 1,880 double
Website：http://geden.myhotel.com.tw/

Ziyuan Hotel 台北環宇宸世會館
Tel：886-2-87731616
Add：臺北市大安區建國南路一段212巷1號
Price：NTD 1,899 double
Website：http://www.ziyuanhotel.com.tw/

Note: If you need help for the hotel reservation, please contact with
Name: Shu-min To
e-mail: toshumin@hotmail.com
Tel: 886-919-663683
Fax: 886-2-27314919