

ASHRAE Region XIII 10th CRC 2007

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



Singapore



Thailand



Hong Kong



Malaysia



Taiwan



Philippines

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; traipse 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.





Hotel Information

The conference hotel, Howard Plaza Hotel, has offered the following special conference rate to our delegates:

Room Type	Superior Single	Superior Twin
Rate	NT\$4,150net / room / night (including one breakfast)	NT\$4,550net / room / night (including two breakfasts)

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.

- (1) Miramar Garden Taipei
<http://www.miramargarden.com.tw/E-index.php>
- (2) Gala Hotel
<http://www.galahotel.com.tw/english/company.html>
- (3) Brother Hotel
<http://www.brotherhotel.com.tw/eMain.htm>
- (4) Crown Plaza Taipei
<http://www.crowneplaza-taipei.com/eng/frame1.htm>
- (5) Grand Hyatt Taipei
<http://taipei.grand.hyatt.com/hyatt/hotels/index.jsp>
- (6) FU-HAU HOTEL
<http://www.fuhauhotel.com.tw/english/company.htm>
- (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

TECHNICAL SEMINAR

~Ubiquity -- From Equipment to System Integration~



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 Trigenation', '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

Day 0	Thursday, 2 nd August, 2007	Location	Remark	Package		
	Pre-CRC Golf, half day	Formosa Golf & country club	All	E		
Day 1	Friday, 3 rd August, 2007	Location	Remark	Package		
08 : 30~15 : 00	Conference Registration	Student Workshop Program*	(B2F/ in front of OSMANTHUS room)	A		
09 : 00~12 : 00	Technical Seminar		Seminar Room 1(B2F/Banquet I)		All	
12 : 00~13 : 30	Presidential Luncheon & Awards Presentation		Luncheon Room(3F/Dragon Hall)		All	
14 : 00~16 : 15	Business Session NO. 1		Business Room 1(B2F/Banquet III)		All	
16 : 15~17 : 00	Workshop for Motion Preparation		Meeting Room 1(B2F/Banquet III)		All	
17 : 00~18 : 00	Orientation/Caucus (Delegates & Alternates only)		Meeting Room 1 (B2F/OSMANTHUS room)		D&A	
19 : 00~22 : 00	Banquet Dinner		Ballroom (B2F/Banquet I)		All	D
Day 2	Saturday, 4 th August, 2007	Location	Remark	Package		
08 : 00~09 : 00	Executive/Caucus Breakfast (Delegates & Alternates only)	Student Workshop Program*	Breakfast Room (4F/Maxim)	B	C	
09 : 15~10 : 30	Chapter Operation Workshop		Business Room1(4F/CR-406)			All
10 : 45~12 : 00	Committee Workshops - Membership Promotion - Student Activities		Meeting Room 1(4F/CR-405) Meeting Room 2(4F/CR-406)			Officer
12 : 00~14 : 00	Host Chapter Luncheon		Luncheon Room(3F/Dragon Hall)			All
14 : 15~15 : 30	Committee Workshops - CTTC - Research Promotion		Meeting Room 1(4F/CR-405) Meeting Room 2(4F/CR-406)			Officer
15 : 45~17 : 00	Business Session NO. 2		Business Room1(B2F/Banquet III)			All
17 : 00~18 : 00	CRC Review Meeting	Meeting Room 1(B2/Banquet III)	Host			
Day 3	Sunday, 5 th August, 2007	Location	Remark	Package		
09 : 00~11 : 30	RPM	4F/The Lelouvre Restaurant	Officer			

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

Committee Member	Name	Tel No.	Fax No.	E-mail
General Chair	Mr. Jui-Fah Chou	(886)-2-2921-4145	(886)-2-2929-2831	alpha123@ms9.hinet.net
Secretary	Mr. Wei Dong Bill Wang	(886)-2-2578-5858 ext 226	(886)-2-25798597	bill.wang@maaconsultants.com
Treasurer	Mr. Shih-Ta Tu	(886)-2-2360-1170	(886)-2-23658297	u630158@taipower.com.tw
Technical Program	Dr. Bing-Chwen Yang	(886)-3-5915383	(886)-3-5820250	bcyang@itri.org.tw
Registration	Dr. Tzong-Shing Lee	(886)-2-2771-2171ext 3516	(886)-2-27314919	tslee@ntut.edu.tw
Publishing & Publicity	Mr. Min Shih Chou	(886)-2-26015996-607	(886)-2-2601189	Tenkey01@ms27.hinet.net
Facility & Equipment	Mr. Hung-Yao Chao	(886)-2-29110688-x721	(886)-2-2709-8825	hy-chao@tgp.org.tw
Banquet & Social Program	Mr. Tony C.S. Lee	(886)-2-89321868-217	(886)-2-89321788	mcquay@tpts4.seed.net.tw
Pre-Conference Golf	Dr. Y.Z. Robert Hu	(886)-3-591-5390	(886)-3-582-0250	RoberHu@itri.org.tw

ASHARE REGION XIII
10th CHAPTER REGIONAL CONFERENCE
Howard Plaza Hotel, Taipei
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.

Items	Before 1 st July, 2007		On-Site or After 1 st July, 2007		TOTAL
	NT \$	US \$	NT \$	US \$	
Package A – Technical Seminar Includes: Registration, Technical Seminar, Coffee/Tea Break, Presidential Luncheon	NT \$ 2000	US \$ 60	NT \$ 2500	US \$ 75	
Package B - Business Sessions 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	NT \$ 8300	US \$ 250	NT \$ 9900	US \$ 300	
Package C - Full Package Includes: All of package A and package B	NT \$ 9900	US \$ 300	NT \$ 12000	US \$ 350	
Package D – Spouse's Package Includes: Registration, Banquet Dinner, City Tour (9:30~14:30 on 3 rd August, 2007)	NT \$ 2700	US \$ 80	NT \$ 3000	US \$ 90	
Package E Pre-CRC Golf Fellowship At Formosa Golf & country club (inclusive of green fees & caddy fees)	NT \$ 3000	US \$ 90	NT \$ 3300	US \$ 100	
Package F: Student Workshop program Includes: Registration, Technical seminar, student workshop, Banquet Dinner	NT \$ 3600	US \$ 110	NT \$ 4300	US \$ 130	
Signature: Date:	Total amount enclosed NT \$ /US \$ * (Delete as appropriate)				

Refund Policy: withdrawal notice is received before 1 st 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. Please make drafts, money order or check payable to TU, SHIH TA , and also mail the registration form with payment to ASHRAE TAIWAN Chapter , Address: No. 2, Lane 137, Sec. 5, Minsheng E. Rd, Taipei City 10581, Taiwan. R.O.C. Fax: 886-2-2766-4744 Ms. Lin E-mail: alpha123@ms9.hinet.net / bill.wang@maiconsultants.com 2. By Remittance in New Taiwan Dollar to: TAIPEI FUBON COMMERCIAL BANK Minsheng Branch SWIFT BIC: TPBKTWTP 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: 886-2-2768-5423 Fax: 886-2-2766-4744 Ms. Lin
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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
ROOM TYPE & SPECIAL ROOM RATE
Amy8556-tp@howard-hotels.com.tw

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

Room Type	Superior Single	Superior Twin
Tariff Rate	NT\$8,500+10%/ room / night (Without breakfast)	NT\$8,500+10%/ room / night (Without breakfast)
Special Rate	NT\$4,150 net / room / night (including one breakfast)	NT\$4,550 net / room / night (including two breakfasts)

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

Taipei City Map (Area Around Conference Venue)

(2)慶泰大飯店
Gala Hotel
Add.: 186 Sung Chiang Rd., Taipei
TEL:+886-2-2541-5511
FAX:+886-2-2531-3831

(3)兄弟大飯店
Brother Hotel
Add.: 255 Nanking E. Rd. Sec.3, Taipei
TEL: +886-2-27123456
FAX:+886-2-2717-3334

(4)力霸皇冠大飯店
Rebar Crown Plaza Taipei
Add.: 32 Nanking E Rd. Sec.5, Taipei
TEL:+886-2-2763-5656
FAX:+886-2-2767-9347

(1)美麗信花園酒店
Miramar Garden Taipei
Add.: 83 Civic Boulevard, Section 3, Taipei, Taiwan
TEL:+886-2-8772-8800
FAX:+886-2-8772-1010

(5)君悅大飯店
Grand Hyatt Taipei
Add.: 2, Sjungshou Rd. Taipei
TEL:+886-2-2720-1200
FAX:+886-2-2720-1105

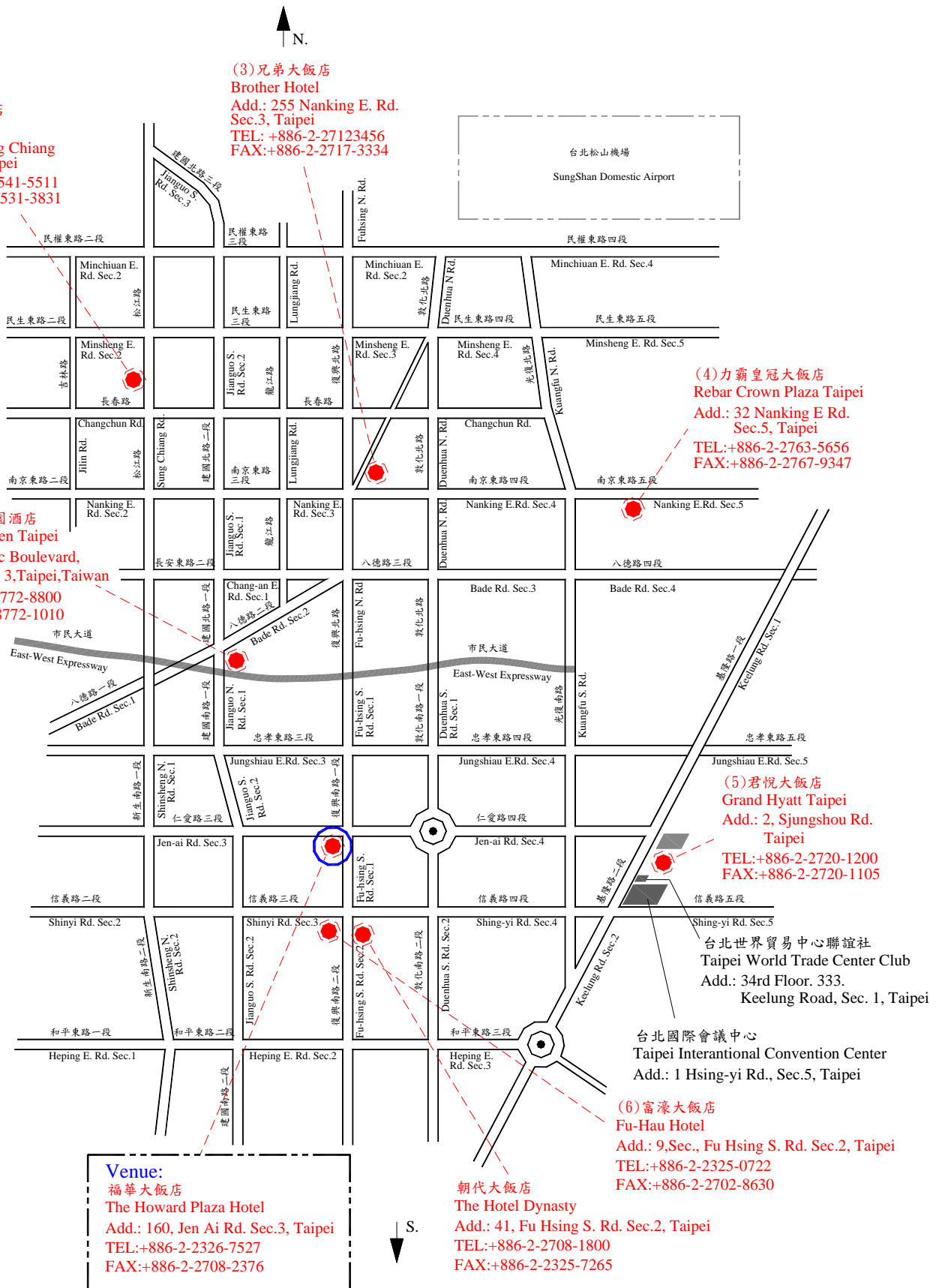
台北世界貿易中心聯誼社
Taipei World Trade Center Club
Add.: 34rd Floor. 333. Keelung Road, Sec. 1, Taipei

台北國際會議中心
Taipei Interantional Convention Center
Add.: 1 Hsing-yi Rd., Sec.5, Taipei

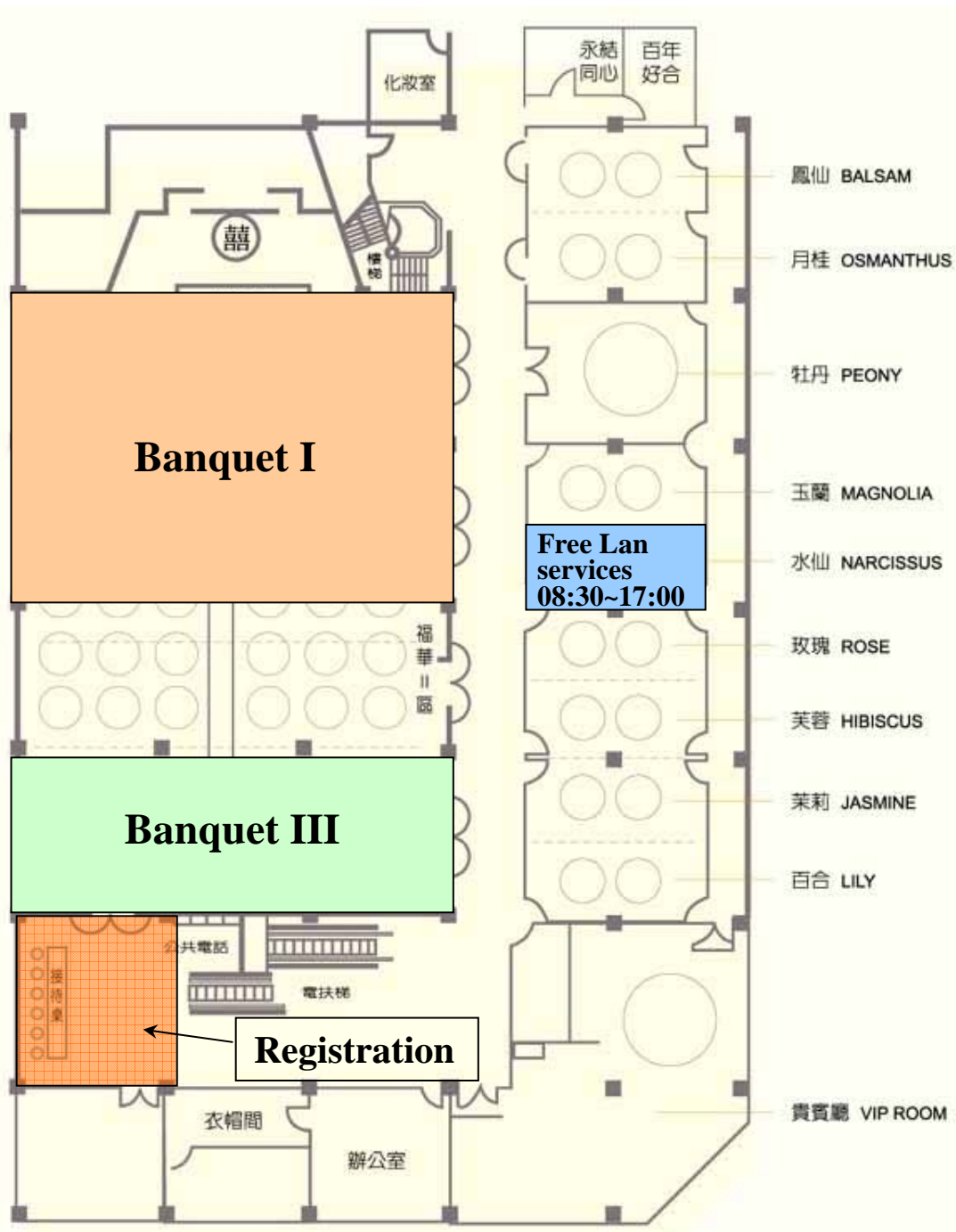
(6)富濠大飯店
Fu-Hau Hotel
Add.: 9, Sec., Fu Hsing S. Rd. Sec.2, Taipei
TEL:+886-2-2325-0722
FAX:+886-2-2702-8630

朝代大飯店
The Hotel Dynasty
Add.: 41, Fu Hsing S. Rd. Sec.2, Taipei
TEL:+886-2-2708-1800
FAX:+886-2-2325-7265

Venue:
福華大飯店
The Howard Plaza Hotel
Add.: 160, Jen Ai Rd. Sec.3, Taipei
TEL:+886-2-2326-7527
FAX:+886-2-2708-2376



Map of Howard Plaza Hotel In B2F

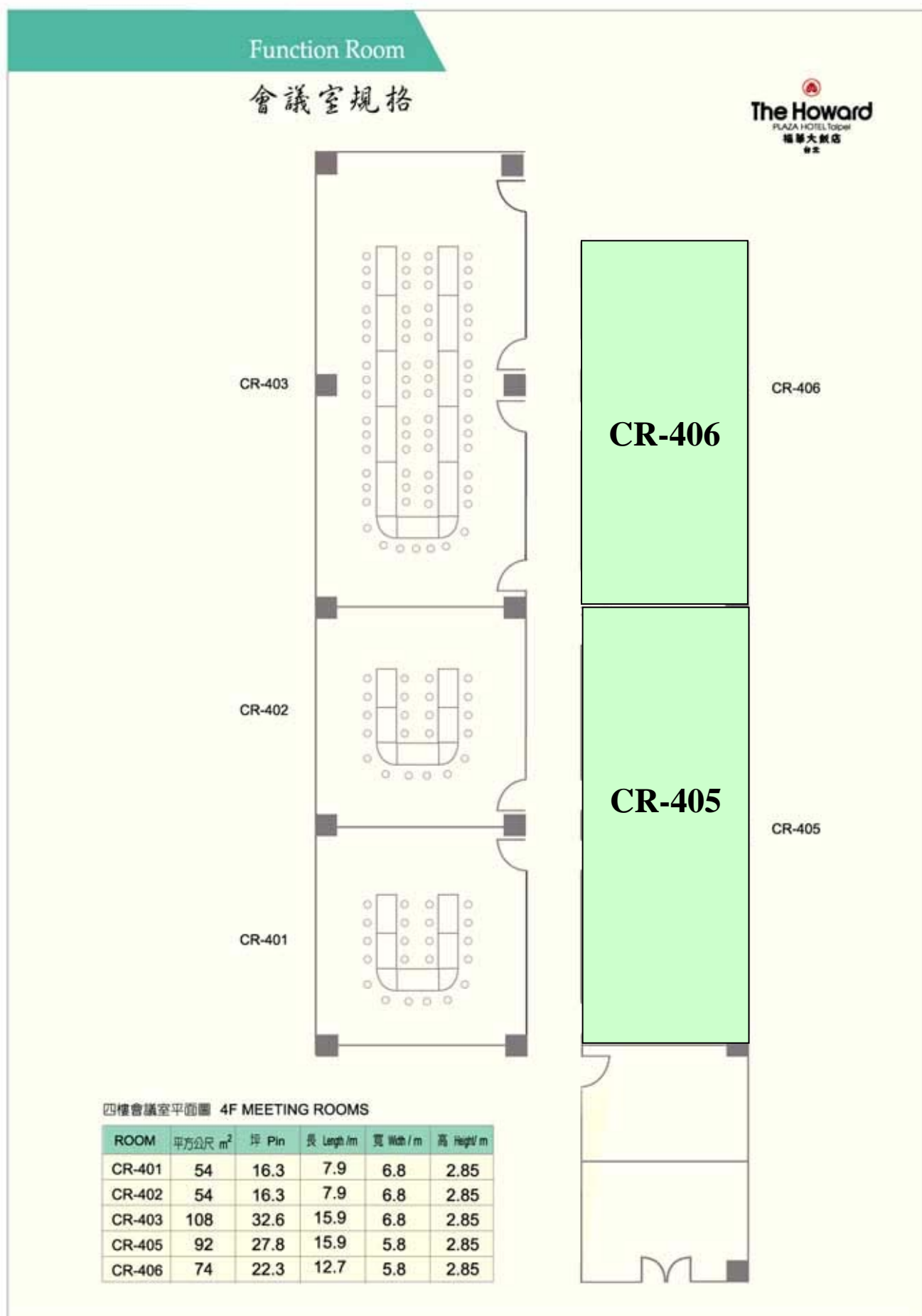


地下二樓福華廳 B2 BANQUET HALL

ROOM	平方公尺 M ²	坪 Pin	長 Length/m	寬 Width/m	高 Height/m
福華 I 區	331.0	101	16	20.7	5
福華 I + II 區	496.6	151	24	20.7	5
福華 I + II + III 區	663.0	201	32	20.7	
福華 II 或 III 區	165.6	50	8	20.7	II-5, III-2.8
牡丹廳	64.8	22	7.4	8.7	2.8
百合~鳳仙廳	32.4	11	3.7	8.7	2.8



Map of Howard Plaza Hotel In 4F



Student Workshop Program

3rd August, 2007 12:00~17:45

Time	Location	Item
12.:00 ~ 14:00	Heading to ITRI	Lunch & Travel
14:00 ~ 16:30	ITRI	Lab tour
16:30 ~ 17:45	Back to Taipei	By Bus

4th August, 2007 09:00~17:00

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

- 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>

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

Website: <http://www.yhtaiwan.com/taipei/news.asp>

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/>

空軍官兵活動中心

Tel : 886-2-27524730 轉 104,105

Add : 臺北市仁愛路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 台北環宇歲世會館

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