

ASHRAE

ASHRAE SINGAPORE CHAPTER

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. SINGAPORE CHAPTER

Mailing Address : Bukit Merah Central, P.O. Box 0626, Singapore 911535

SECRETARY REPORT 2004/2005

1. 22nd Annual General Meeting

The 22nd Annual General Meeting was held at Hotel Miramar, Singapore on 17 April 2004. There were 22 members present at the meeting and the following members were elected into office.

President	:	Mr Chua Kim Lian
President-Elect	:	Mr Albert Sin
Hon Secretary	:	Mr Steven Leong
Hon Treasurer	:	Mr Norman Ng
General Members	:	Mr Derrick Cheong Mr Sivakumar Gadam Mr Michael Cheong K S Mr David Lau Mr James Ong Lay Thiam Mr Leong Cheng Wee – co-opted by BOG
Honorary Auditors	:	Mr Tan Sze Wah – resigned Mr Jonathan Yeo (co-opted) Mr Davis Ong
Nominating Committee	:	Mr Sunny Tan (Chairman) Mr Albert Sin Dr Ng Eng Hong A/P Wong Yew Wah

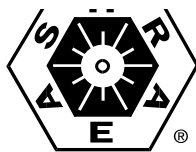
Mr Tan Sze Wah resigned as Hon Auditor on 25 July 2004 as he explained that he was the Treasurer the previous year.

At the 1st Board of Governor meeting, the General Members were assigned to chair the standing committees and the details are as follows:

Chairman, Technical Energy Government Activities (TEGA)	:	Mr David Lau
Chairman, Membership	:	Mr Sivakumar Gadam
Chairman, Programme	:	Mr James Ong Lay Thiam
Chairman, Publicity	:	Mr Michael Cheong K S
Chairman, Research Promotion	:	Mr Leong Cheng Wee
Chairman, Student Activities	:	Mr Derrick Cheong

The following members were also co-opted by the Board of Governor :

Chapter Historian	:	Mr Tan Yong Hoa
Chairman, 23 rd Annual Dinner & Dance Organising Committee	:	Mr Wang Yih Chyuan



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2. Technical, Energy and Government Activities (TEGA) Committee

The committee comprises the following members:

Chairman	:	Mr David Lau
Advisor	:	Dr Ng Eng Hong
Members	:	Dr S C Sekhar
	:	Mr Raymond Chang
	:	Mr James Ong

The objectives of TEGA Committee are:

- To organize the continuing education and other short courses.
- To provide input to, and maintain liaisons with government agencies on technical and/or advisory issues, including dialogue sessions (for update and representation) and participation in technical committees.
- To keep the chapter informed/updated on governmental activities on technical issues related to heating, ventilating, refrigeration and air-conditioning.

Representations in National Committees

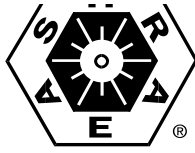
To achieve the objective of providing input to and maintaining liaisons with government agencies on technical and/or advisory issues and participation in technical committees, TEGA members are represented in many national committees and have actively participated in the deliberation of the respective committees.

S/N	National Committee	ASHRAE Singapore Chapter's Representative
(a)	Building Sub-committee of National Energy Efficiency Committee (NEEC)	Immediate Past President, Mr George Sze
(b)	Industry Sub-committee of National Energy Efficiency Committee (NEEC)	Past President, Mr Leong Cheng Wee
(c)	PSB's Technical Committee on CP13- Code of Practice for Mechanical Ventilation & Air-conditioning in Buildings	Past President, Dr Bong Tet Yin
(d)	ITE's Mechanical, Electrical Training Advisory Committee (METAC)	Past President – Mr. Jeremy Chia Past President – Mr. Chen Siew Ik

The committee had organised the following events:

1 seminar, 1 technical tour and 1 student career talk.

Event	Date Held	No of Participants
Technical Tour To The Esplanade – Air-conditioning system of the Esplanade	19 Aug 2004	45
Cleanroom Seminar 2004 : Jointly organised with Singapore Polytechnic - Latest Developments on Cleanroom Technology in Pharmaceutical and Semi-conductor Industries Venue: Novotel Apollo Hotel Singapore	25 Sep 2004	123
Student Career Talk 2004 – Ngee Ann Polytechnic Speakers : Mr Albert Sin, President-Elect Mr David Lau, TEGA Chair	2 March 2005	50



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3. Membership Promotion Committee

The committee comprises the following members:

Chairman	:	Mr Gadam Sivakumar
Members	:	Mr Francis Lee
	:	Mr Raymond Chang
	:	Mr Goh Eng Hai
	:	Mr Ivan John Woo

The committee has added 8 new members to the ASHRAE Singapore Chapter during the year 2004-2005.

Event	Date Held	No of Participants
Technical Talk cum Members Night Speaker: Fellow ASHRAE, Dr. Max Sherman Presentation: "Ventilation: The Once and Future King" outlined the significance of ventilation in buildings and some of the key ASHRAE standards associated with ventilation. Venue: Novotel Apollo Hotel Singapore	8th November 2004	28
Non-Technical talk cum Members Night Speaker: Mr. Anthony Tan, Marketing Manager, HQ link Pte Ltd Sponsor of event: HQ link Pte Ltd Presentation: Financial subsidy in Exhibition participation for International Marketing Activities Programme (IMAP) for the forthcoming HVAC exhibition events in India (2005) and Singapore (2006) Venue: Hotel Grand Central	22nd February 2005	30

The committee has been actively initiating delinquency reduction campaigns by mailing reminders and follow-up phone calls. Equally important, recruiting new members to the chapter was also being carried out. Apart from these activities, the committee updated the membership status, PAOE points and compiles requisite reports to ASHRAE Region XIII officers.

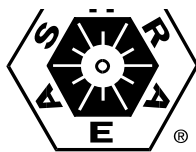
4. Programme Committee

The committee comprises the following members:

Chairman	:	Mr James Ong
Advisor	:	Mr Leong Cheng Wee
Members	:	Mr Steven Leong

The committee had organised the following events: 1 technical talk, Family Day and Bilateral Meeting with Malaysian Chapter.

Event	Date Held	No of
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		Participants
Technical Talk - Refrigerant R410A as the Alternative Refrigerant Choice by Mr Osami Kataoka of Daikin Industries Venue: Daikin Complex	23 Aug 2004	25
Family Day and Bi-lateral Meeting with ASHRAE Malaysian Chapter Venue: Sunway Lagoon Restort, Petaling Jaya, Malaysia	26 Nov 2004	30 (S'pore & M'sian Chapters)

5. **Publicity Committee**

The committee comprises the following members:

Chairman	:	Mr Derrick Cheong (Co-opt)
Members	:	Mr Chua Kim Lian
	:	Mr Albert Sin

Contribution of articles from members and assistance on newsletters design from the ITE-ASHRAE student branch, the committee has completed the following:

1. Chapter newsletters were posted on the Chapter website (www.ashrae.org.sg) on issues: November 2004 and December 2004. The next issue would be on April 2005.
2. Chapter website has undergone a 'revamped' facelift, to make the web access more user friendly and more informative by providing various web-links to ASHRAE Society, Region XIII and other 5 Region XIII chapters (namely, Malaysia, Hong Kong, Taiwan, Thailand and the Philippines)

6. **Student Activities**

The committee comprises the following members:

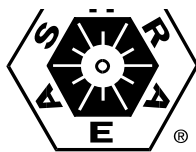
Chairman	:	Mr Derrick Cheong
Advisor	:	Mr Sunny Tan
Members	:	Mr Chua Kim Lian
	:	Mr Albert Sin

Temasek Polytechnic (TP) ASHRAE Student Branch was revived with the new enrolment of more than 35 students from the Intelligent Building Technology Department.

Institute Technical Education (ITE) ASHRAE Student Branches were consolidated to 2 branches:

- a) ITE College East-Student Branch, Advisor : Mr Derrick Cheong
- b) ITE College Central-Student Branch. Chairman: Mr Othman B Mohd Ali

Since its formation in year 2002, the student members have been increasing.



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The past activities for the student branches were as follow:

Date/Month	Brief Description of Activities	Organizer & Co-organizer	No. of Students Attended
August 2004	ITE-ASHRAE Students participating in Photo Competition	Red Cross S'pore	10
Sept 2004 ~ March 2005	Servicing & repairing of air con units by ITE-ASHRAE to raise fund for needy welfare organisations	NYAA (National Youth Achievement Award) Council	50
Dec 2004	Technical Talk	TP-ASHRAE	100
March 2005	ASHRAE soccer cup	TP-ASHRAE & ITE-ASHRAE	50

7. Research Promotion Committee

The committee comprises the following members:

Chairman	:	Mr Leong Cheng Wee
Member	:	Mr Tan Gek Suan
Member	:	Mr James Ong

The objective of the Committee was to raise fund for ASHRAE Society Research Promotion.

Golf games were organised to promote fellowship, networking and raise the necessary funds. The coming social golf tournament has been scheduled on 29 April 2005 at Pulau Springs, Johore.

8. Chapter Historian

Chapter Historian	:	Mr Tan Yong Hoa
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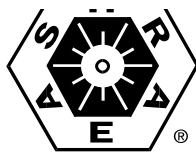
Our Chapter hosted the 7th ASHRAE Region XIII Chapters Regional Conference 2004 on 18 and 19 August 2004, Novotel Apollo Hotel Singapore. There was an impressive display of posters and their brief history from the 6 chapters in the Region XIII (Singapore, Malaysia, Hong Kong, Taiwan, Thailand and the Philippines).

Leadership Recall Interview series was initiated with Chapter's past president giving his interview on their past experience and association with ASHRAE. These interview articles were published in the following newsletters:

- November 2004: Interview with Mr Chee Yan Pong, President (19984-1985)
- December 2004: Interview with Dr Bong Tet Yin, President (1989- 1991, 2 year term)

9. Annual Dinner & Dance

The 22nd Annual Dinner was held on 15 May 2004 and about 400 members and guests attended this gala event. The Guest Speaker, Mr Tan Kee Wee from SMA Federation gave a presentation on the current economical outlook and challenges.



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The organising committee comprises of:

Chairman	:	Mr Leong Cheng Wee
Advisor	:	Mr Chua Kim Lian
Secretary / Co-ordinator	:	Mr James Ong
Treasurer	:	Mr Raymond Chang
Magazine	:	Mr Ong Chau Tuang
Advertisement and Table Sales	:	Mr Tan Gek Suan
Advertisement and Table Sales	:	Mr Jonathan Yeo
Lucky Draw and Prizes	:	Mr Steven Leong

Shortly after the 22nd D&D, the 23rd Dinner and Dance organising committee comprises the following members were formed to plan for the forth-coming event:

Chairman	:	Mr Wang Yih Chyuan
Advisor	:	Mr Albert Sin
Secretary	:	Ms Gwen Tan
Treasurer	:	Mr Sivakumar Gadam
Magazine	:	Mr James Ong
Event Co-ordinator	:	Mr C J Wong
Advertisement and Table Sales	:	Mr Raymond Chang
Advertisement and Table Sales	:	Mr Leong Cheng Wee
Advertisement and Table Sales	:	Mr Ken Lim
Advertisement and Table Sales	:	Mr Steven Leong
Lucky Draw and Prizes	:	Mr Yogesh Tibrewala

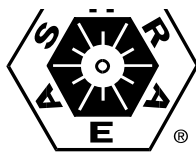
The 23rd Installation Dinner and Dance will be held on 14 May 2005 (Saturday) at the ballroom of Pan Pacific Singapore Hotel.

We are inviting Chapter members, consultants, developers, manufacturers and suppliers to attend this grand event. The Organising Committee is working hard to ensure that this event is enjoyable and memorable for everyone. In conjunction with this event, souvenir magazines will be published. The committee will appeal to HVAC companies to support the Chapter through advertisements participation and donation of lucky draw prizes.

Our Chapter would like to thank all who has previously supported and contributed by way of advertisement, donations, effort, attendance and look forward to the continuous support in this forth-coming gala event to make it both enjoyable and successful.

10. Chapter's Annual Book Prizes

Our Chapter continued its practice of donating book prizes to the Institutions of Higher Learning each valued at \$300-\$400. The prizes are awarded for best performance in air-conditioning & refrigeration subjects offered in the respective courses of the institutions.



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The recipients of the Chapter's book prizes are as follows:

Institution	Course	Name of Recipient
Nanyang Technological University	Degree in Mechanical & Production Engineering	Mr Tan Siow Pin Academic Year 2003/2004
Ngee Ann Polytechnic	Diploma in Building Services Engineering	Ms Zhang Fu Lei Academic Year 2003/2004
Ngee Ann Polytechnic	Diploma in Mechanical Engineering	Mr Ang Zhen Jie Academic Year 2003/2004
Institute Technical Education College East	National ITE Certificate Building Service Technology	Mr Richie Ong Choon Huat Academic Year 2004/2005
Institute Technical Education College Central	National ITE Certificate Building Service Technology	Mr Jeffrey Ang Kee Beng Academic Year 2004/2005

11. Activities with ASHRAE Malaysia Chapter

Our established tie with Malaysia Chapter continued with a bilateral meeting held on 26th November 2004 at Sunway Lagoon Resort Hotel, Petaling Jaya, Malaysia. Our Chapter delegates were led by President, Mr. Chua Kim Lian whilst the Malaysia Chapter was led by their President, Mr. Ong Chin Loon, who chaired the meeting.

The agenda for discussion included:

- a) Regional Planning Meeting, RPM2005
- b) Chapters Regional Conference, CRC2005

As in past-established tradition, the Singapore Chapter being host of the event organised a sumptuous dinner for both Chapters' officers and their family members to foster a closer relationship. The aim of the bilateral meeting is to enhance a better understanding and working relationship and co-operation between the two Chapters.

12. 7th Chapter Regional Conference (CRC)

The 7th CRC was held in Singapore from 19th to 22nd August 2005 at the Apollo Hotel. A half day technical seminar was held on 20 Aug 2005. We are honoured to have 2 ASHRAE distinguished lecturers to present to us their papers and share with us their valuable knowledge.

Mr Vincent Tze – Topic 1: Case Studies of Major ACMV Projects Problem Solving by Modern Design Techniques

Mr Kenneth Luther – Topic 2: Chilled Water System Forensics (Curing Under-Performing HVAC Systems) and Topic 3: Modern HVAC pumping Systems

A mini exhibition was held during the seminar.

The following events were organised during the conference period:

- a) Social golf game was held on 19th August 2005 at the Seletar Golf and Country Club



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b) Technical tour to The Esplanade –Singapore Theatres on the Bay

CRC 2004 Committee

Chairman, CRC 2004	:	Mr Chee Yan Pong
Conference Secretary	:	Mr Albert Sin
Assistant Conference Secretary	:	Mr Sivakumar Gadam
Conference Treasurer	:	Mr Lee Siew Kee
Event Coordinator	:	Mr Raymond Chang
Technical Director-Seminar	:	Dr Ng Eng Hong
Member	:	Mr Davis Ong
Member	:	Mr James Ong
Member	:	Mr Tan Gek Suan
Member	:	Mr Norman Ng
Member	:	Mr Steven Leong
Member	:	Mr Leong Cheng Wee
CRC committee Adviser	:	Mr Raymond Wong
Chapter Adviser (Chapter IPP)	:	Mr George Sze
Chapter Adviser(Chapter President)	:	Mr Chua Kim Lian

13. HVAC Asia 2004

HVAC Asia 2004 is Southeast Asia's largest international exhibition on heating, ventilation, air-conditioning, and relation systems. The event was held at the Singapore Expo Hall 5A, 6 – 9 July 2004. ASHRAE Singapore Chapter supported the exhibition with a booth to promote publicity and membership.

14. Conclusion

Our Chapter has had a busy and active year with various activities as being reported.

Technical talks and social events were organised to cater to the advancement and promote interaction among members.

I would like to take this opportunity to thank all who have contributed to a successful year for the Singapore Chapter.

Steven Leong
Honorary Secretary, 2004-2005