



President's Message

Dear Member

It is my great honor to be elected as the President of ASHRAE Thailand Chapter. I had involved in this wonderful organization in several positions such as a refrigeration committee chair, a TEGA committee chair and a vice president. My service to the chapter started since the beginning of the chapter which was established in March 2000.

This year ASHRAE has been focusing in two major issues. The first issue is called **ASHARE Promise a Sustainable Future**. This issue is to promote the engineering for sustaining our planet. The second issue is called **Energizing the "R" in ASHRAE**. The work is to set up a two ways opportunity for chapters to acquire current refrigeration information as well as a bridge for individual chapter to communicate back to back with the refrigeration committee about chapter's request and concern. At present, the society refrigeration committee chair is Mr. Daniel Dettmers (REFchair@ashrae.net)

For ASHRAE Thailand Chapter, we have set up the work force to support society's vision by setting up the "R" subcommittee under the chapter technology transfer committee (CTTC). Under this "R" subcommittee, there are several working groups to work on various interesting issues such as energy saving, ventilation, alternative refrigerants and etc. This year I also would like to promote more members to our chapter for both regular and student member. There will be 4 full day technical seminars involving modern and up to date HVAC&R technology for our local members. I also plan to utilize our homepage to provide a helpful arm for our sponsor packages by linking their company's website to our homepage. This is not only turning our homepage to be a useful source of information but also keeping our local members to be updated and ready for the advanced technology.

Before concluding my statement, I would like to take this opportunity to thank **Mr. Sittidej Buddharee** for his generosity and public contribution to accept the President-Elect position. I also would like to thank all of previous BOGs, officers and chairs for their volunteer services since the year 2000. My very special thank also goes to **Associate Professor Richakorn Chirakalwasan**, our previous president, and his staff as the past officers of ASHRAE Thailand Chapter who managed to operate the chapter successfully in the previous year. Many thanks also go to all involved parties such as sponsor companies, members, ACAT, friends and etc in HVAC&R industry. Without their full support, it will not be possible for ASHRAE Thailand Chapter to be as it is like today.

Finally I wish you all the best wishes and prosperous business growth in the years to come.

Again, thank you very much.

Mr. Apichit Lumlertpongpana
President of ASHRAE Thailand Chapter 2006-2007

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Chapter Library & Recommended books

HVAC Design Guide for Tall Commercial Buildings



Tall commercial office buildings present a series of design problems that differ from those that are found in other projects in the built environment. HVAC Design Guide for Tall Commercial Buildings provides guidance in both understanding the HVAC design problems of tall commercial office buildings and in detailing their alternative solutions.

This book is of interest to owners, architects, structural engineers, mechanical engineers, electrical engineers and other specialized engineers and consultants. The design guide is focused on the efforts of designers of the heating, ventilating and air-conditioning (HVAC) systems, but it also addresses the importance of the design team and their collective efforts and concerns that are the critical elements in determining the ultimate solutions to project needs.

The ASHRAE Technical Committee for Tall Buildings, TC 9.12, has defined a tall building as one whose height is greater than 300 feet (91m).

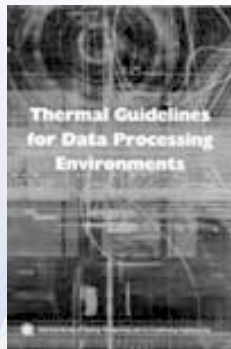
This Guide addresses HVAC design issues for tall commercial office buildings, but the matters discussed and the recommendations and comments that are developed, with various modifications, can be applied to other project types within the built environment. 8 1/2" x 11"; soft cover; ASHRAE Research Project 1261.

Table of Contents

AUTHORS: Donald E. Ross
ISBN/ISSN: 1-931862-45-1
PAGES: 122
PUBLISH DATE: 2004
PUBLISHER: ASHRAE
UNITS: Dual

Chapter Library & Recommended books

Thermal Guidelines for Data Processing Environments



Recent trends toward increased equipment power density in data centers can result in significant thermal design and operation issues, with the potentially undesirable side effects of decreased equipment availability, wasted floor space, and inefficient cooling system operation. There is often a mismatch of IT equipment environmental requirements with adjacent equipment requirements or with facility operating conditions and, thus, a strong need to find common solutions and standard practices that facilitate IT equipment interchangeability while preserving industry innovation.

This Guide provides equipment manufacturers and facility operations staff with a common set of guidelines for the design and construction of their respective equipment or facility, thereby aiding in maximizing the performance and health of the facility and its contents.

Specifically, the book delivers:

- Guidelines for facility operations personnel on how to place equipment in a data center for optimum reliability and for equipment manufacturers on how to provide a compatible airflow path for their equipment.
- Guidance on evaluating and testing the operational health of the data center.
- A methodology for reporting the environmental characteristics of a computer system.

6 X 9, Soft cover.

Related Products

If you are interested in Thermal Guidelines for Data Processing Environments, you may also find the other titles in the ASHRAE Datacom Series useful.

- Design Considerations for Datacom Equipment Centers
- Datacom Equipment Power Trends and Cooling Applications

AUTHORS: TC9.9 Mission Critical Facilities
ISBN/ISSN: 1-931862-43-5
PAGES: 55
PUBLISH DATE: 2004
PUBLISHER: ASHRAE
UNITS: Dual

ASHRAE Region XIII 9th CRC 2006 on 25th & 26th August 2006

Region XIII CRC-2006 was held on August 25-26 at Sunway Lagoon Hotel Resort, Malaysia. Thailand Chapter had the following officers to participate :-

1) Mr.Wichai	Laksanakorn	RVC-Student Chair
2) Mr.Apichit	Lumlertpongpana	President
3) Mr.Sittidej	Buddharee	President-Elect
4) Assoc.Prof.Dr.Tul	Maneewattana	Treasurer
5) Mr.Nirun	Chayangsu	Secretary
6) Dr.Chirdpun	Vitooraporn	Student Activity
7) Mr.Voravit	Suvanbenjakule	Research Promotion
8) Mr.Somsak	Thanapaisalpipath	Honors and Awards
9) Mr.Chartchai	Pisuttiboriboon	Chapter Technology Transfer
10) Mr.Nirun	Lumlerduksanachai	Membership Promotion

Not only the Thailand Chapter officer but also the Student Activity from Rajamangala University of Technology - Isan who attended the Technical Tour as the following names :-

1) Mr.Chuchai	T.Siriwattana	Assistant Professor in Air conditioning and Refrigeration
2) Mr.Charan	Kachenchart	Instructor in Air conditioning and Refrigeration
3) Mr.Tawatchai	Jaruwongwittaya	Instructor in Air conditioning and Refrigeration
4) Mr.Sophon	Sinsang	Instructor in Air conditioning and Refrigeration
5) Mr.Nopparat	Amattirat	Instructor in Air conditioning and Refrigeration
6) Mr.Apidach	Boonjue	Student in Mechanical Engineering Department
7) Mr.Kowit	Onnorm	Student in Mechanical Engineering Department
8) Mr.Nitipong	Bubphamala	Student in Mechanical Engineering Department

The purpose of this CRC meeting was for gathering all the six (6) Chapters of Region XIII to reunion and having the following agenda :-

- 1) Training each Chapter's new chairs how to work and set the MBO.
- 2) Having President Luncheon speech and listen the Society Policy.
- 3) Having Technical Speech Session and Student Activity Technical Tour.
- 4) Nominating the new officer to serve the Regional Post.
- 5) Discuss and approve the motion to bring forward to Society level.
- 6) Regional planning for the next CRC-2007 that will be held in Taiwan.
- 7) Philippine Chapter reported the progress of RPM-2007 meeting in Manila Hotel.
- 8) Report the progress of APCBE-2007 that will be held in Bangkok.



Find more detail recommended books at ASHRAE Thailand Chapter Library

Meeting with Air-conditioning Engineering Association of Thailand on August 23, 2006 at 11.00 Am.



First row

1. **Mr. Chatchawan Kooncumchoo** *President of ACAT*
2. **Mrs. Araya Pengniti** *Secretary General of EIT*
3. **Mr. Terry E. Townsend** *President of ASHRAE Society*
4. **Mr. Apichit Lumlertpongpana** *President of ASHRAE Thailand Chapter*

Second row

5. **Mr. Nirun Chayangsu** *Secretary of ASHRAE Thailand Chapter*
6. **Mr. Sumet Jiambutr** *Vice President/Home Page Editor*
7. **Mr. Wichai Laksanakorn** *BOG of ASHRAE Thailand Chapter*
8. **Mr. Manit Koothanapath** *Chairman, Mechanical Engineering Technical Committee*
9. **Mr. Chartchai Pisuttiboriboon** *Chapter Technology Transfer*
10. **Mr. Kecha Thirakomen** *BOG of ASHRAE Thailand Chapter*
11. **Dr. Chirdpun Vitooraporn** *Student Activity*
12. **Ms. Krongkom Mokamol** *Historian*

Meeting with ASHRAE Thailand Chapter on August 23, 2006 at 10.30 Am.

1. **Mr. Kecha Thirakomen** *BOG of ASHRAE Thailand Chapter*
2. **Mr. Nirun Chayangsu** *Secretary of ASHRAE Thailand Chapter*
3. **Mr. Chatchawan Kooncumchoo** *President of ACAT*
4. **Mr. Apichit Lumlertpongpana** *President of ASHRAE Thailand Chapter*
5. **Mr. Terry E. Townsend** *President of ASHRAE Society*
6. **Mr. Wichai Laksanakorn** *BOG of ASHRAE Thailand Chapter*
7. **Mr. Chartchai Pisuttiboriboon** *Chapter Technology Transfer*
8. **Ms. Krongkom Mokamol** *Historian*



Meeting with Council of Engineer of Thailand on August 23, 2006 at 10.30 Am.



1. **Mr. Virah Mavichak** *President of Council of Engineers of Thailand*
2. **Mr. Terry E. Townsend** *President of ASHRAE Society*

3. **Mr. Nirun Chayangsu** *Secretary of ASHRAE Thailand Chapter*
4. **Mr. Ninnart Chaiyathirapinyo** *Committee Member of COE*
5. **Mr. Boonsong Paukatong** *Second Vice President of COE*
6. **Mr. Prasit Pittayapat** *Committee Member of COE*
7. **Mr. Ruangsak Vajarapong** *First Vice President of COE*
8. **Mr. Chatchawan Kooncumchoo** *President of ACAT*
9. **Mr. Charmroon Malaigrong** *Secretary General of COE*
10. **Mr. Wichai Laksanakorn** *BOG of ASHRAE Thailand Chapter*
11. **Mr. Apichit Lumlertpongpana** *President of ASHRAE Thailand Chapter*
12. **Mrs. Araya Pengniti** *Secretary General of EIT*
13. **Mr. Chartchai Pisuttiboriboon** *Chapter Technology Transfer*
14. **Mr. Manit Koothanapath** *Chairman, Mechanical Engineering Technical Committee*
15. **Mr. Sumet Jiambutr** *Vice President/Home Page Editor*

ASHRAE Seminar at Thailand Chapter on August 23, 2006 at 14.00-17.00 Pm.

1. **Mr. Kecha Thirakomen** *BOG of ASHRAE Thailand Chapter*
2. **Mr. Wichai Laksanakorn** *BOG of ASHRAE Thailand Chapter*
3. **Ms. Carolyn Kettering** *Director of Member Services*
4. **Mr. Terry E. Townsend** *President of ASHRAE Society*
5. **Mrs. Letha Davis Townsend** *Mr. Terry's spouse*
6. **Ms. Jintana Sirisantana** *BOG of ASHRAE Thailand Chapter*
7. **Mr. Apichit lumlertpongpana** *President of ASHRAE Thailand Chapter*
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11. **Mr. Sumet Jiambutr** *Vice President/Home Page Editor*



The visit of President Terry E. Townsend to Thailand Chapter

In August 22, 2006 President Terry E. Townsend, 2006-2007 ASHRAE President, visited Thailand Chapter during his traveling to region XIII for attending CRC meeting organized by Malaysia Chapter.

He also visited Air Conditioning Engineering Association of Thailand (ACAT), The Engineering Institute of Thailand (EIT) and Council of Engineers (COE).

In the afternoon a technical seminar promoting Sustainability was held at EIT seminar room. President Terry E. Townsend emphasized his presentation on the important of sustainability to our global environment and gave several case study of sustainable building design in USA. These are good case study to Thailand to learn how to implement on the design. There were around 50 members attending this seminar.

Khun Wichai Laksanakorn RVC for Student Activity, President Apichit, 2006-2007 Thailand Chapter President, and officers had taken the dinner with President Terry and his wife after the seminar.



ASHRAE Thailand Chapter's First Seminar

Organized on October 11-12, 2006, topic "Commercial Refrigeration - Cold Room Design from Beginning until The End", at The Grand Hotel, Rajchadaphisake, Bangkok by Refrigeration Committee.

ASHRAE Thailand Chapter play its role in educating Thailand refrigeration industry, transferring knowledge mainly from ASHRAE Handbook to Thai's society in order to develop professional refrigeration engineer.



"Our aim is also to acknowledge Thai's society how ASHRAE can help them in their engineering work and to get more members to ASHRAE Society." said Mr. Apichit, president of ASHRAE Thailand Chapter, "also to energize the "R" in ASHRAE" said finally.

Six well experienced professional refrigeration engineers were invited to lecture which have presented theory and especially the most valuable practice and satisfy all attendance during the seminar. Most of them want ASHRAE to continue organizing this type of activity again.



American Society of Heating, Refrigerating and Air-Conditioning Engineers Thailand Chapter

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ขอเชิญชวนเขียนบทความวิชาการ

ASHRAE Thailand Chapter จะจัดทำหนังสือ ASHRAE Journal ขึ้นปีละ 2 เล่ม โดยที่ผ่านมามีได้รับความร่วมมือจากคณะกรรมการและสมาชิกของ ASHRAE Thailand Chapter ได้กรุณาส่งบทความวิชาการเพื่อเผยแพร่ความรู้ทางเทคโนโลยี, เทคนิคต่างๆ ให้กับสมาชิกในวงการวิศวกรรมปรับอากาศและเครื่องทำความเย็น เพื่อสังคมส่วนรวม

ดังนั้น ทาง ASHRAE Thailand Chapter จึงใคร่ขอเชิญชวนสมาชิกและท่านที่สนใจส่งบทความวิชาการที่เกี่ยวกับวิศวกรรมปรับอากาศและเครื่องทำความเย็น ที่ท่านเห็นว่าเป็นประโยชน์ต่อส่วนรวม เพื่อลงในหนังสือ ASHRAE Journal ภายในวันที่ 31 พฤศจิกายน 2549 ณ ที่ทำการ **ASHRAE Thailand Chapter**

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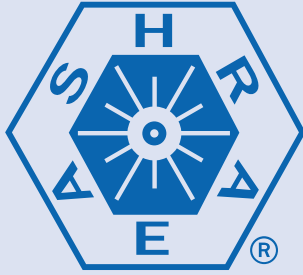
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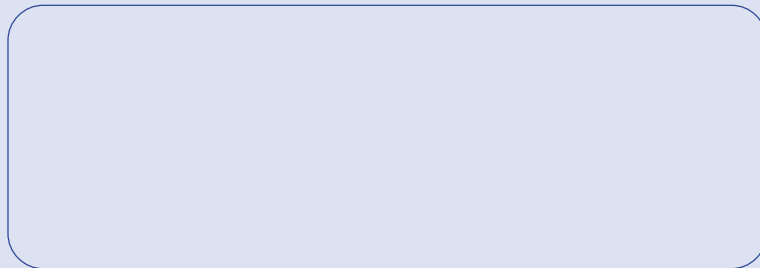


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