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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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

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
PAGES: 55
PUBLISH DATE: 2004
PUBLISHER: ASHRAE
UNITS: Dual
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 Lumlerpongpana 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 Suwanbenjakule Research Promotion
8) Mr. Somsak Thanapaisalipath Honors and Awards
9) Mr. Chartchae Pisuttiboriboob Chapter Technology Transfer
10) Mr. Nirun Lumlerdluksanchai 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 Jaruwingwittaya 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.
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. Chirdpum Vitorioaporn Student Activity
12. Ms. Krongkom Mokamol Historian

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

1. Mr. Kechara 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 Chalayathirapinyo 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. Charmmoon Malaijsong 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. Kechara 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
8. Mr. Chakrapan Pawanakarat Vice President
9. Assoc. Prof. Dr. Withaya Yongchareon BOG of ASHRAE Thailand Chapter
10. Chiar Prof. Tawee Vechaphutti BOG of ASHRAE Thailand Chapter
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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ASHRAE Thailand Chapter จะจัดทำหนังสือ ASHRAE Journal ชิ้นปีละ 2 เล่ม โดยที่คิดการให้บทความร่วมมือจากคณะกรรมการและสมาชิกรวม ASHRAE Thailand Chapter ได้ก้าวต่อยังบทความวิชาการเพียงเฉพาะความรู้ทางเทคโนโลยี, เทคนิคต่างๆ ให้กับสมาชิกรวมในวิชาการวิศวกรรมบริหารอากาศและเครื่องทำความเย็น เพื่อส่งเสริมส่วนรวม

*ASHRAE Thailand Chapter จัดทำหนังสือ ASHRAE Journal ชิ้นปีละ 2 เล่ม โดยให้บทความร่วมมือจากคณะกรรมการและสมาชิกรวม ASHRAE Thailand Chapter ได้ก้าวต่อยังบทความวิชาการเพียงเฉพาะความรู้ทางเทคโนโลยี, เทคนิคต่างๆ ให้กับสมาชิกรวมในวิชาการวิศวกรรมบริหารอากาศและเครื่องทำความเย็น เพื่อส่งเสริมส่วนรวม*
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