



Dear Members



President's Message

Time is sure running very fast, the term of 2004-2005 committees is ending soon. I would like to thank all the committees, chairs and members of the sub committees for the kind contribution to our chapter. Associate Professor Richakorn will be our next President for the year 2005-2006 with Khun Apichit Lumlertpongpana as Elected President. I am sure that both of them will actively promote our chapter.

The increasing price of the energy is now a threat to the whole world. We have to realize that the air-conditioning is a major consumer of the energy. We all should try to find the way to reduce energy consumption of the air-conditioning system. We may also have to look at promoting the use of building insulation and light filtering of heat thru the glass panes.

The CRC meeting in Hong Kong will come on 26 August 2005 at Kowloon Shangrila Hotel. There will also be a visit to Macau, I would like to invite our members to join the CRC meeting, meet with members from other chapters and tour the interesting places.

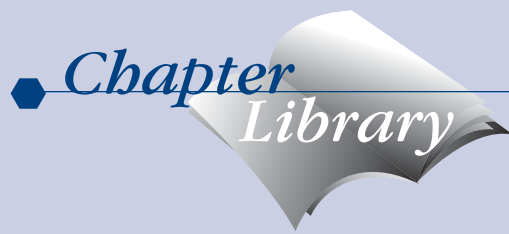
I would like to congratulate Dr. Tul that now his student refrigeration competition team has been selected by our region to represent the region for the student design competition. I would like to thank all the students and their advisors from ASHRAE on their hard work to get the project done on time. I am quite positive that our team will be the winner, as we have put a lot of efforts into this competition.

Finally, I would like to say that I have gained quite some knowledges in management as the president of our chapter and would like to suggest that every company should try to send an executive to join ASHRAE chapter as he will learn good management concept.

Piya Chongvatana
President Thailand Chapter (2004-2005)

Content

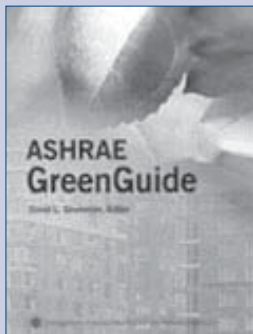
- | | |
|--|---|
| 01 President's Message | 06 WorldSkills Competiton 2005 News |
| 02 Chapter Library & Recommended Book | 07 Technical Seminar & Activities |
| 03 Member News | - Commercial System Design Course |
| - Election Results for 2005 - 2006 | - สัมมนาวิชาการ และเยี่ยมชมดูงานสนามบินสุวรรณภูมิ |
| 04 - 21-22 May, 2005 Regional Planning Meeting, Malaysia | - Bangkok RHVAC 2005 - Exhibition News |
| - Distinguished Lecturers Announced for 2005 - 2006 | 08 Confirm Sponsor List 2004 - 2005 |
| 05 ASHRAE Thailand Chapter Seminar & Dinner Talk | |
| - Dinner Talk 2004 - 2005 | |
| ASHRAE Thailand Chapter Activities | |
| - Student Designs Project Competition 2005 : | |
| Passing the First Round | |



Recommended Book



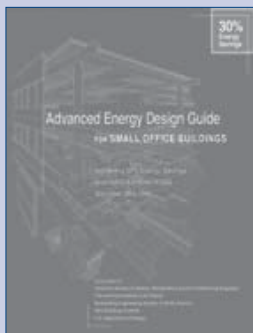
ASHRAE GreenGuide



This nearly 200-page green guide offers essential reference and guidance to HVAC&R system designers involved in green or sustainable building design. The GreenGuide is a step-by-step manual for the entire building lifecycle, from the very earliest stages of a green building design project and through to the resulting structure's construction, operation, maintenance, and eventual demolition.

- Divided into three sections: "Basics," "The Design Process," "Post-Design -- Construction to Demolition."
- Covers green design techniques applicable to related technical disciplines, such as plumbing and lighting.
- Includes 29 "Green Tips," specific measures for improving sustainability. Tips include "Hybrid Ventilation," "Ground-Source Heat Pumps" and "Direct-Contact Water Heaters."
- Includes sidebars featuring case studies, checklists, and other practical information.

Advanced Energy Design Guide For Small Office Buildings



New Design Guide Delivers Maximum Energy Savings

For developing energy-efficient buildings, the Advanced Energy Design Guide provides a sensible approach by including practical products and readily-available, "off-the-shelf" technology. The Guide offers you all the tools you need to create an energy-efficient building where the owners will see a 30 percent energy savings compared to buildings that only meet the minimum requirements of Standard 90.1.

This four-color guide presents a simple approach to energy design for contractors and designers of office buildings up to 20,000 sq. ft. Ideal for the Contracting, Design and Remodeling industries, this peer-reviewed Guide features a user-friendly format and contains "how-to" guidance. The Guide provides benefits and savings for building owners while maintaining quality and functionality of the office space.

The Guide includes:

- Easy to follow climate zones for your geographic region
- Recommendations for achieving energy efficiency credits for LEED
- Bonus strategies for saving energy outside the building
- Ways to retrofit existing buildings and renovations

This Guide helps meet all of the owner's energy performance requirements, since it was developed by a diverse group of energy professionals: ASHRAE, the American Institute of Architects (AIA), New Buildings Institute (NBI), and the Illuminating Engineering Society of North America (IESNA).

Member News

Election Results for 2005 - 2006

ASHRAE Thailand Chapter Officers, BOGs and Committee Chairs



The election for 2005-2006 Officers and BOGs had been made over the annual member meeting in May 26, 2005. Nominating Committees led by Ms.Jintana Sirisantana, Assist Prof. Dr. Tul Manewattana, Dr.Chirdpun Vitooraporn and Mr.Sumet Jiambutr had introduced to all members Assoc. Prof. Richakorn Chirakalwasan, Mechanical Engineering Dept., Faculty of Engineering, Chulalongkorn University as incoming President. Assoc. Prof. Richakorn currently served as President-Elect and bylaw, he will become 2005-2006 President upon completion of his 2004-2005 terms.

Nominations for President-elect, Vice President, Treasurer and Board of Governors are made by Nominating Committees which are from the list recommended by individual members. However, members at the meeting have the right to orally name the members to be candidate for each position, and they have orally nominated with second by the meeting for the additional 2 more Vice presidents and 5 more BOGs. The meeting finally seconded the nominated Officers and BOGs as follows:

Officers

President : Assoc. Prof. Richakorn Chirakalwasan - Chulalongkorn University
President - Elect : Mr. Apichit Lumlertpongpana - I.T.C. Company Limited
Vice President : Mr. Pawat Vitoorapakorn - Eastern Polymer Industry Co., Ltd.
 Mr. Sittidej Buddharee - Carrier (Thailand) Co., Ltd.
 Mr. Uthai Lohachitranond - York Air Conditioning and Refrigeration (Thailand) Co., Ltd.
Treasurer : Assist. Prof. Dr. Tul Manewattana - Chulalongkorn University

Chapter Board of Governors

BOG :Mr. Wichai Laksanakorn - W. and Associate Co., Ltd.
 Mr. Sumeth Simakulthorn - Kulthorn International Co., Ltd.
 Mr. Chaiyan Salicupt - Environmental Engineering Consultants Co., Ltd.
 Mr. Charat Sawangwan - Cooling And Controls Eng. Co., Ltd.
 Chair Prof. Tawee Vechaputti - Chulalongkorn University
 Assoc. Prof. Dr. Withaya Yongcharoen - Chulalongkorn University
 Mr. Piya Chongvatana - Patkol Plc.
 Ms. Jintana Sirisantana - Uni-Aire Corp.
 Mr. Kecha Thirakomen - Environmental Engineering Consultants Co., Ltd.
 Dr. Rawee Ngamchokchaicharoen - Airco Ltd.

Following the completion of election formality, Incoming President Assoc. Prof. Richakorn Chirakalwasan has announced others officers for his term as follows:

Officer and Committee Chairs

Secretary : Mr. Nirun Chayangsu - Chaimitr Engineering International Co., Ltd.
Membership Promotion Committee Chair : Mr. Uthai Lohachitranond - York Air Conditioning and Refrigeration (Thailand) Co., Ltd.
Student Activities Committee Chair : Dr. Churdpun Vitooraporn - Chulalongkorn University
Historian or Historical Committee Chair : Mr. Somsak Thanapaisalpipath - B.S.V. Group
Chapter Technology Transfer Committee Chair : Mr. Niran Lumlerduksanachai - Carrier (Thailand) Co., Ltd.
Newsletter Editor : Mr. Voratthep Assavaniweij - Sangchai Equipment (1984) Ltd.. Part.
Homepage Editor : Mr. Sumet Jiambutr - Patkol Plc.
Resource Promotion Committee Chair : Mr. Voravit Suvanbenjakule - Thai Air Conditioning Machine Co., Ltd.
Honour and Award Committee Chair : Mr. Chartchai Pisuttiboriboon - Nicotra Manufacturing (Thailand) Co., Ltd.

The incoming Officers, BOGs and Committee Chairs will perform their duty starts from 1st July 2005 to 30th June 2006. Any members would like to volunteer helping and Chairs, please feel free to contact above Committee Chairs or Chapter Secretary, Mr. Nirun Chayangsu, for details at e-mail: nirun_c@chaimitr.com, or phone 02-757-4510 ext. 313

21-22 May, 2005

Regional Planning Meeting, Malaysia

BOG Wichai Laksanakorn attended RPM meeting in Kuala Lumpur as Incoming RVC-SA for Region XIII



As incoming Region XIII Regional Vice Chair for Student Activities (RVC-SA), BOG Wichai Laksanakorn had been invited to attend both Region XIII Regional Planning Meeting (RPM meeting) held in Kuala Lumpur, Malaysia during May 21-22, 2005 and Society annual meeting to be held in Denver, Colorado during June 25-29, 2005.

He had also been appointed by Society President-Elect, Lee W. Burgett, to be 2005-2006

Student Activities Committee, which is a standing committee of the Society and report to Society Board of Director through the Members Council.

Being 2005-06 Student Activities Committee, BOG Wichai has to help developing a comprehensive program for the academic and educational community to promote and encourage HVAC&R careers, promote math and science education and promote growth in ASHRAE student membership.

Distinguished Lecturers Announced for 2005 - 2006



W. F. (WILL) STOECKER, P.E., Ph.D.
University of Illinois
Urbana, IL

Six new distinguished lecturers have been named by ASHRAE. The Distinguished Lecturers Program provides ASHRAE chapters with noted authorities who provide insight and speak on relevant topics that impact the HVAC&R industry. Will Stoecker, Ph.D., P.E. has now been named as new ASHRAE DL nominated by Thailand Chapter

Will Stoecker, Ph.D., P.E., University of Illinois, Refrigeration; Liquid Recirculation for Industrial Refrigeration; Ammonia as a Refrigerant; Ammonia/Carbon Dioxide Hybrid Systems; and Vessels for Industrial Refrigeration Systems.

ASHRAE Thailand Chapter Seminar & Dinner Talk

Dinner Talk 2004 - 2005



เมื่อวันที่ 10 พฤษภาคม 2005 ASHRAE Thailand Chapter ได้มีการจัดงาน PROUDLY PRESENT THE UPCOMING EVENT ON ASHRAE SEMINAR & DINNER TALK โดยเชิญ Mr.Forrest B.Fencl, ASHRAE Distinguished Lecturer มาบรรยายเรื่อง "UVC Technology for HVAC System Maintenance and IAQ" โดยเชิญ Mr.Elio Majoli Maggioli พูดเรื่อง "Supply Chain Management & 3rd Party Logistic In Thailand" และเชิญคุณปิยะพูดเรื่อง "A Road to Technology Award" ณ โรงแรม เดอะ แกรนด์ ถนนรัชดาภิเษก ในส่วนของ Honors & Awards Committee ได้จัดให้มีการมอบโล่รางวัล เพื่อประกาศเกียรติคุณ แต่คณะกรรมการที่ได้อุทิศเวลาและมีความสามารถให้กับ Chapter จนทำให้

ASHRAE Thailand Chapter มีชื่อเสียง เป็นที่ยอมรับและรู้จักกันเป็นอย่างดีทั้งใน Region และ Society รวมทั้งหมด 4 ท่าน ได้แก่

1. คุณชยันต์ ศาลิคุปต
2. ดร.ตุลย์ มณีวัฒนา
3. คุณนริศ ชยางศู
4. คุณจักรพันธ์ ภาวังคะรัตน์

และในโอกาสเดียวกันนี้ทาง Committee ก็ได้จัดให้มีการมอบโล่และขึ้นสไลด์ขอบคุณ บริษัท Sponsor ทั้งหมดที่ให้การสนับสนุน ASHRAE Thailand Chapter ด้วยดีมาโดยตลอด

Student Design Project Competition 2005 : Passing the First Round



Picture showing a student team working on the Refrigeration Design Project at Chulalongkorn University

Dr. Chirdpun V, Thailand Student activities Chair, has informed the progress on this year Student Design Project Competition that our Refrigeration System Design has been selected by the Regional Judging Panel to represent Region XIII in the World Competition and RVC Student Activities, Sunny Tan, had already submitted Thai entry to the ASHRAE



ASHRAE Thailand Chapter presented a Certificate of Appreciation to a student team and their project advisors as their entry was selected by Regional Judging Panel to represent ASHRAE Region XIII in the World Competition at ASHRAE HQ

Student Design Competition Committee. The result shall be announced in early August after the ASHRAE Student Design Competition Committee meet in Denver at the end of June 2005. We wish that Thai team will win again this year.

WorldSkills Competition 2005 News



Mr. Nitipong Bubpamala from Thailand won Bronze Medal in the Refrigeration & Air Conditioning of WorldSkills Competition 38th, Helsinki, Finland. Twenty(20) countries were participated but only 17 nations had competitor.

Thailand had selected refrigeration technicians from the candidate that competition from 13 zones of Labor Development Department (LDD) in each province. Those successor competitor compete each other again for the National Competition. Mr. Nitipong Bubpamala from Rajamangala University Technology Nakornrachasrima campus won to be Thailand's representative.

The refrigeration category covers six(6) modules and the time allocated to the test project is 22 hours within 4 days.

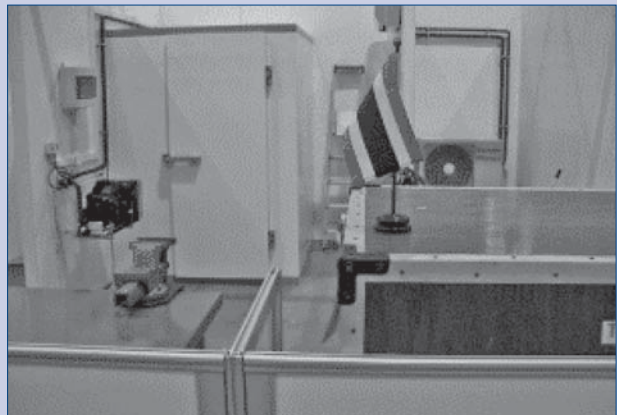
- Task 1 Manufacturing and soldering of small Accumulator, 2 hours
- Task 2 Troubleshooting and repair of electrical equipment, 1 hour
- Task 3 Troubleshooting in a refrigerated plant, 2 hours
- Task 4 Changing a refrigerant such as recovery R22, Drain mineral oil and replace with R-407C/ POE oil, 3 hours
- Task 5 Installing wall mounted, Heat pump, R-410A air-conditioning equipment, 5 hours
- Task 6 Installing a R-404A commercial refrigerating system for a freezer room, 9 hours

In this competition Ireland won Gold Medal, Brazil won Silver Medal. For the other prizes that Thailand won are Gold Medal from Welding, Silver Medal from Ladie's Dressmaking and 6 diploms. Hence make Thailand to be the 10th rank from 37 countries of WorldSkills competition. Next WorldSkills competitions : 2007 in Japan, 2009 in Canada.

ASHRAE Thailand Chapter would like to thank you for all the supporters such as Thai Industry Federation Association, Kulthorn Group, I.T.C. (1993) Co., Ltd., Danfoss (Thailand) Co., Ltd., Patkol PLC, Carrier-Toshiba, Panasonic, Unifab Co., Ltd., Carel (Thailand) Co., Ltd., Laco Marketing Co., Ltd., CME Industries Co., Ltd., Star Holiday Group, LDD-Training Center, Retailing Co., Ltd., Songserm Cooling Co., Ltd., Rajamangala University Nakornrachasrima Campus and all training staff coach.



From the left : Mr. Apichit Lumlertpongpana, Mr. Nitipong Bubpamala, Mr. Arnon Simakulthorn, and Mr. Chuchai T. Siriwattana



Technical Seminar & Activities

ASHRAE Thailand Chapter ได้ร่วมกับ บริษัท แคนเรียร์ (ประเทศไทย) จำกัด จัดคอร์สอบรมสัมมนา Commercial System Design Course (CSDC 3 & 4)



ASHRAE Thailand Chapter ได้ร่วมกับ บริษัท แคนเรียร์ (ประเทศไทย) จำกัด จัดคอร์สอบรมสัมมนา Commercial System Design Course (CSDC 3 & 4) ขึ้นที่บริษัท แคนเรียร์ (ประเทศไทย) จำกัด ในระหว่างวันที่ 29 เมษายน ถึง 3 พฤษภาคม 2548 ที่ผ่านมา โดยมีวิทยากรจาก Carrier Corporation Mr.Lim Chin Huat ซึ่งมีหัวข้อเรื่อง เทคโนโลยีของเครื่องทำน้ำเย็นแบบต่างๆ ควบคุมสำหรับงานปรับอากาศ การจัดการด้านพลังงาน ระบบอาคารอัตโนมัติ ระบบการทำงานของคอนเดนเซอร์และคอยล์ทาวเวอร์ ฯลฯ โดยมีวิศวกรฝ่ายออกแบบที่ปรึกษาโครงการ และผู้รับเหมาติดตั้งเข้าร่วมอบรม 40 คน ในช่วงกลางเดือนสิงหาคมที่จะถึงนี้

ทาง ASHRAE Thailand Chapter จะได้ร่วมกับบริษัท แคนเรียร์ (ประเทศไทย) จำกัด จัดอบรมคอร์ส CSDC 1&2 ซึ่งมีหัวข้อเกี่ยวกับ ระบบการปรับอากาศเบื้องต้น ความสบายของมนุษย์ ระบบอัตโนมัติเชิงกล แนวทางการคำนวณโหลดการทำความเย็นแบบต่างๆ รวมถึงการใช้งานซอฟต์แวร์ที่เกี่ยวข้อง ไฮโครเมตริก พัฒนาการออกแบบระบบท่อลม ระบบเสียงและการควบคุมในงานปรับอากาศ การเลือกใช้และหลักการการทำงานของระบบเครื่องส่งลมเย็น ซึ่งจะใช้เวลาอบรม 5 วัน ท่านใดที่สนใจติดต่อขอข้อมูลและรายละเอียดได้ที่

คุณวิรัตน์ เชิงชวโน 01-848-7115

สัมมนาวิชาการ และเยี่ยมชมงานสนามบินสุวรรณภูมิ



ASHRAE Thailand Chapter ร่วมกับ สมาคมวิศวกรรรมปรับอากาศแห่งประเทศไทย จัดสัมมนาวิชาการ



และเยี่ยมชมชมงาน ณ งานก่อสร้างอาคารผู้โดยสาร สนามบินสุวรรณภูมิ ในวันพฤหัสบดีที่ 2 มิถุนายน 2548 ที่ผ่านมา

BANGKOK RHVAC 2005

งานแสดงสินค้าเครื่องปรับอากาศและเครื่องทำความเย็น 2548

วันเจรจาธุรกิจ : 14 - 16 กันยายน 2548
(10.00 - 18.00 น.)

วันจำหน่ายปลีก : 17 - 18 กันยายน 2548
(10.00 - 21.00 น.)

ณ ศูนย์นิทรรศการและการประชุมไบเทค

สอบถามรายละเอียดเพิ่มเติมได้ที่

สำนักกิจกรรมงานแสดงสินค้า

22/77 ถ.รัชดาภิเษก จตุจักร กทม. 10900

โทรศัพท์ : 0 2513 1909 - 15 ต่อ 263, 670

โทรสาร : 0 2512 2234

www.depthai.go.th

www.thaitradefair.com





ASHRAE Thailand Chapter Confirm Sponsor List 2004-2005

Purchase 2 Packages

1. ABB Limited
2. Chillmatch Co., Ltd.
3. Danfoss (Thailand) Co., Ltd.
4. Engineering Equipment Enterprise Co., Ltd.
5. Jardine Matheson (Thailand) Ltd.
6. Kulthorn Group Co., Ltd.
7. Nicotra Manufacturing (Thailand) Co., Ltd.
8. Patkol Public Company Limited
9. Siam Compressor Industry Co., Ltd.
10. Trane (Thailand)



Purchase 1 Package

1. Awacs Corporation Ltd.
2. Better Living Co., Ltd. & Siam Temp Co., Ltd.
3. Bock Compressor Technology (Thailand) Co., Ltd.
4. Carrier (Thailand) Ltd.
5. Calpeda (Thailand) Co., Ltd.
6. Chaimitr Engineering International Co., Ltd.
7. Computer Support System Co., Ltd.
8. Copeland-Thailand c/o Emerson Electric (Thailand) Ltd.
9. Eastern Polymer Industry Co., Ltd.
10. Elektrim Cantoni Motor Co., Ltd.
11. Grundfos (Thailand) Ltd.
12. Grasso (Thailand) Co., Ltd.
13. I.T.C. (1993) Co., Ltd.
14. K.E. Engineering Group Ltd., Part.
15. Liang Chi Industry (Thailand) Co., Ltd.
16. McQuay Siam Co., Ltd.
17. Microfiber Industries Ltd.
18. Mycom (Thailand) Co., Ltd.
19. Namcharoen Petrophan Intertrade Co., Ltd.
20. Natural Green Innovation Co., Ltd.
21. PKB Enterprise Co., Ltd.
22. PC Elemac Co., Ltd.
23. Reacon Equipment Co., Ltd.
24. Refrigo Equipment Co., Ltd.
25. Sang Chai Equipment (1984) Ltd., Part.
26. Siam Daikin Sales Co., Ltd.
27. Sinmankong Steel Co., Ltd.
28. SM-Cyclo (Thailand) Co., Ltd.
29. Taikisha (Thailand) Co., Ltd.
30. Thai Takasago Co., Ltd.
31. Thai Metal Trade Public Company Limited
32. The Alliance Steel Co., Ltd.
33. Uni-Aire Corp.
34. W. And Associates Co., Ltd.
35. World Mechanics & Works Co., Ltd.
36. York Air Conditioning and Refrigeration (Thailand) Co., Ltd.

◆ TOTAL 56 Packages ◆



Contact:

ASHRAE Thailand Chapter
3rd Flr., Engineering Institute of Thailand Building (EIT)
487 Soi Ramkamhaeng 39 (Thepleela), Wangthonglang, Bangkok 10310
Tel. 0-2318-4119, 0-2318-4123-24 Fax. 0-2318-4120
<http://www.ashraethailand.org> E-mail: info@ashraethailand.org