



President's Message

Dear Member

Nowadays, there is no doubt that energy is very important in this modern life style. In realizing this issue, chapter technology transfer chair or CTTC of ASHRAE Thailand chapter which is led by Mr.Chartchai Pisuttiboriboon and Mr.Samorrapiom Pornprasit has recently organized a seminar in the topic of "the Sustainable and Conservation of Energy" on February 6th 2007. The seminar was very successful and could attract a lot of people to attend. We hope that this seminar should help providing an understanding and perception of ASHRAE mission in Sustainability. Recently a group of BOG (Chair Prof.Tawee Vechaphutti, Mr.Wichai Laksanakorn, Dr.Rawee Ngamchokchaicharoen) and Officer (Assoc.Prof.Dr.Tul Maneewattana, Dr. Chirdpun Vitooraporn and Mr.Nirun Chayangsu) of ASHRAE Thailand chapter along with 9 Thai engineers has visited the 2007 AHR Expo which was held at Dallas Convention Center in Dallas, Texas on January 29-31, 2007. This expo is organized yearly by ASHRAE and ARI. It is the world's largest HVAC show. Most of the latest new HVAC products were presented in the show. Visiting the show is also one of our yearly activities and we do welcome those who are interested to join in our trip.



Another activity which is very successful in this year is ASHRAE summer practical training. This year we can attract 13 students from KMIT-North Bangkok Campus and 4 students from RMUTI-Nakhonratchasima Campus to participate in this activity. These students will have a chance to attend the next Chapter Regional Conference (CRC) which is scheduled to be held in Taiwan around August this year and let me tell you that the student activity in CRC is something that can be one of your most memorable experiences.

In addition, during the 3rd week of April, ASHRAE Thailand will join in a seminar as a co-organizer with the department of skill development, ministry of labor, The seminar's topic is "Air-borne Infection Control". As one could probably realize that this is one of the hot issues that involved both HVAC and Health Care industry.

Last but not least, ASHRAE Thailand will organize the APCBE-2007 Symposium that will be held at the Grand Hotel Bangkok on 22-23 November, 2007. This symposium will provide an opportunity to all participants in exchanging their HVAC&R technology experience. We are now looking for more papers for this conference. For further information about this conference, please visit our website at www.ashraethailand.org

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

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Chapter Library & Recommended books

Humidity Control Design Guide for Commercial and Institutional Buildings



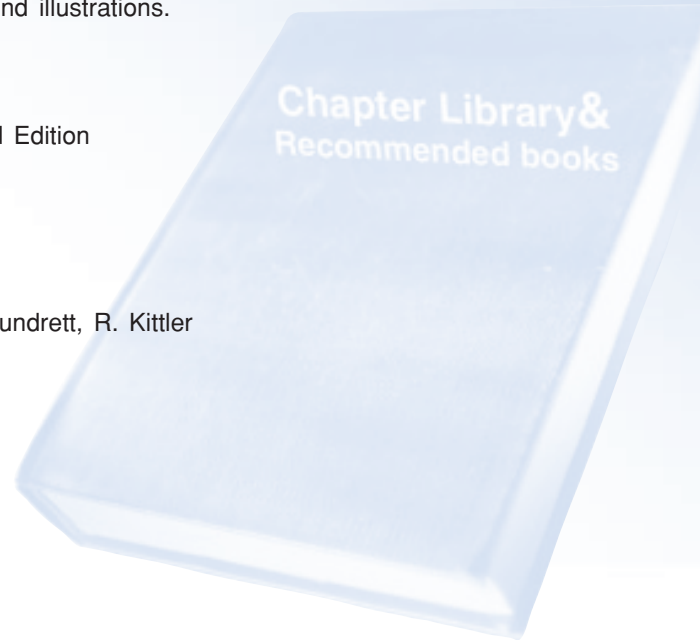
Helps technical professionals design humidity control systems for commercial buildings. The over 500-page Guide provides the HVAC designer with complete coverage of humidity control from basic principles to real-world design advice, and is organized in a logical, easy-to-follow layout.

- Provides a solid background in humidity control, including a review of its causes and effects.
- Divided into five major sections: "Basics," "Humidity Effects," "System Design," "Equipment & Controls," and "Applications."
- Discusses the roles of various people involved in the design and operation of a building, including owners, HVAC designers, and contractors, in controlling humidity.
- Covers 15 different types of equipment related to humidity control design.
- Spotlights 13 different types of buildings, including schools, office buildings, retail buildings, and hotels.
- Includes 25 pages of weather data
- Reference section features dehumidification equations, conversion tables and factors, and a psychrometric chart.
- Filled with full-color charts, diagrams and illustrations.
- 11" x 9"; hard cover; full color

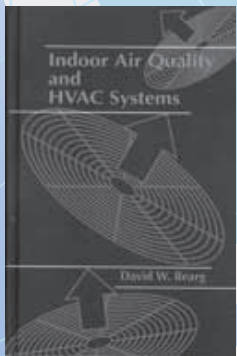
Related Products

- Understanding Psychrometrics, Second Edition
- Psychrometric Analysis CD
- HVAC Systems Design Handbook
- Psychrometrics: Theory and Practice

AUTHORS:	L. Harriman, G. Brundrett, R. Kittler
ISBN/ISSN:	1-883413-98-2
NO. OF PAGES:	512 pp.
PUBLISH DATE:	2001
PUBLISHER:	ASHRAE
UNITS:	Dual units
Item Code:	90421



Indoor Air Quality and HVAC Systems



Describes the individual components of HVAC systems and the role each plays in maintaining good indoor air quality. It also identifies the techniques available for evaluating the performance characteristics of ventilation systems (including the use of carbon dioxide monitors and sulfur hexafluoride tracer testing equipment).

AUTHORS:	David W. Bearg
ISBN/ISSN:	873715748
NO. OF PAGES:	220 pp.
PUBLISH DATE:	1993
PUBLISHER:	CRC
UNITS:	I-P
Item Code:	96635

Find more detail recommended books at ASHRAE Thailand Chapter Library

ASHRAE EXPO 2007

This year ASHRAE Thailand Chapter had arranged a trip to visit the 2007 AHR Expo during 28 January to 3 February 2007. There were 15 people joining this trip. All are from HVAC related business.

The AHR Expo is a yearly show held in conjunction with the ASHRAE Winter Meeting. Cosponsored by ASHRAE and ARI, the AHR Expo is "...the world's largest HVAC&R trade show event for professionals to buy, sell, network and learn." The exposition was taken place at the Dallas Convention Center in Dallas, TX, USA during 29 - 31 January 2007.

The AHR Expo was so successful this year as the no. of attendance had easily surpassed the previous record for a Southwest Show. For the record, by the end of Tuesday, 27,256 attendees had entered the floor at the Dallas Convention Center. There were 1,789 exhibiting companies' booths which also included some 320 international exhibitors and delegations from many regions. Thousands of HVAC related products were showed in this exhibition. Apart from this, there were also many educational courses and ASHRAE short courses as well as ASHRAE technical sessions went along with the show at the Convention Center.



Group picture at the Entrance of the Show



Welcome gate



Environment at the Convention Center's Corridor



Our BOG, Adj. Prof. Tawee, and ex ASHRAE Thailand Chapter's President, Dr. Rawee, took photo together at the banner.



Ex ACAT's President, Khun Chatchaval in talking with Khun Arak and his son from Project Asia Co., Ltd.

The 2008 AHR Expo is scheduled to be held in New York during Jan. 22 to 24 at the Javits Convention Center. We hope to see more people joining us next year. See you next year!



STANLEY A. MUMMA, Ph.D., P.E.

Professor of Architectural Engineering
Pennsylvania State University
University Park, PA

Dr. Stanley Mumma is currently a Professor of Architectural Engineering at Pennsylvania State University. Prior to joining Penn State in 1984, he was a General Motors Corporation project engineer for three years between his undergraduate studies in Mechanical Engineering at the University of Cincinnati, and his graduate work at the University of Illinois at Urbana-Champaign. Since earning his Ph.D. in Mechanical Engineering in 1974, under the mentorship of Dr. Will Stoecker, he has also held faculty positions at Ohio State University and Arizona State University. In the first third of his academic career, his research focused principally on solar and alternate energy. Then his interests changed to innovative ways of meeting ASHRAE Standard 62 in an energy efficient fashion. That work has led to his current intense interest in dedicated outdoor air systems (DOAS). He writes extensively on the subject (see <http://doas-radiant.psu.edu/papers.html>). Two of his publications were recipients of ASHRAE best paper awards. He has also received ASHRAE's Distinguished Service Award, the E.K. Campbell Award of Merit, and the grade of Fellow. Currently, Dr. Mumma is a member of several Technical Committees and the Society Publishing Committee. (2/25/06)

LECTURE TOPICS

Dedicated Outdoor Air Systems (DOAS): Field Experiences

Applications of DOAS have expanded significantly over the past 5 years. As a result, Dr. Mumma's presentation focus in 2006-2007 will shift away from "The Reasons Engineers Are Seriously Considering Them" to "DOAS Field Experiences". Specific attention will be given to controls, enormously expanded equipment choices, comfort and ADPI, energy performance, humidity control, loss of air side economizers, LEED points, parallel systems, and pitfalls.

The DOAS material has also been expanded into a 3-hour short course for use by chapters.

Chilled Ceilings, Floors, and Beams.

Chilled Ceilings, Floors, and Beams have been met with skepticism by many US engineers due to problems encountered with systems installed in the 1960's, as well as an on-going perception that condensation, capacity and cost are insurmountable problems. Dr. Mumma will forthrightly address these three issues. And he will elaborate on the performance of integrated DOAS Chilled Ceiling, Floor or Beam systems in the areas of human comfort, safety including terrorist resistance, and LEED/sustainable design. Both design and operating experiences from buildings employing these technologies will also be documented. Finally, the chilled ceiling, floor or beam engineering design process will be laid out, including emphasis on the need for DOAS when chilled ceiling/floor/beam projects are undertaken.

2/25/06

“The Sustainable and Conservation of Energy” on February 6th 2007



<<< **MR.RAY COX** - Engineering director from Wellington drive technologies Ltd., .auckland, new zealand pleased to give the presentation about EC motor to members of ASHRAE and other participants.

Carrier’s seminar “The Chillers 2007”, The Most Advantage Screw Chiller and MCHX. on February 20th 2007



The Energy Series 2007 at Queen Sirikit National Convention Center, Bangkok on March 8-10, 2007.





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 โดยที่ผ่านมาได้รับความร่วมมือจากคณะกรรมการและสมาชิกของ ASHRAE Thailand Chapter ได้กรุณาส่งบทความวิชาการเพื่อเผยแพร่ความรู้ทางเทคโนโลยี, เทคนิคต่างๆ ให้กับสมาชิกในวงการวิศวกรรมปรับอากาศและเครื่องทำความเย็น เพื่อสังคมส่วนรวม

ดังนั้น ทาง ASHRAE Thailand Chapter จึงใคร่ขอเชิญชวนสมาชิกและท่านที่สนใจส่งบทความวิชาการที่เกี่ยวกับวิศวกรรมปรับอากาศและเครื่องทำความเย็น ที่ท่านเห็นว่าเป็นประโยชน์ต่อส่วนรวม เพื่อลงในหนังสือ ASHRAE Journal ภายในวันที่ 31 พฤษภาคม 2550 ณ ที่ทำการ ASHRAE Thailand Chapter

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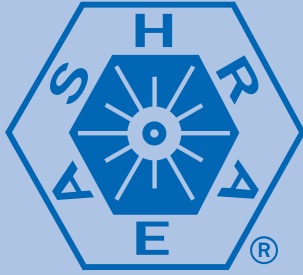
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