

**Abstracts and Manuscripts Should be Submitted at**

www.ashraethailand.org under APC 2007 webpage.

**How to Submit an Abstract**

- ◆ Submit a **500 word or less** abstract electronically at the Abstract Submission Page of www.ashraethailand.org under APC 2007 webpage.
- ◆ Abstract must be compatible with Microsoft Word or Acrobat.
- ◆ **Do not** send a duplicate of the abstract by mail.
- ◆ An acknowledgement receipt for your submission will be sent to the corresponding author via email address after your abstract has been processed.

**Manuscript Instruction**

Detail for manuscript preparation instruction is posted at www.ashraethailand.org under APC 2007 webpage.

**Organizing Committee**

<b>Chair:</b> Jintana Sirisantana	Uni-Aire
<b>Vice Chair:</b> Dr. Rawee Ngamchokchaichareon	Trane
Kecha Thirakomen	EEC
<b>Secretary:</b> Nirun Chayangsu	CEI
<b>Treasurer:</b> Dr. Tul Maneewattana	Chula
<b>Proceeding &amp; Technical:</b> Dr. Chirdpun Vitooraporn	Chula
<b>Hospitality &amp; Registration:</b> Srikasem Chaipitinanon	EPI
Krongkom Mokamol	Trane
<b>Additional Committee Members:</b>	
Sumet Jiambutr	PATKOL
Sittisak Panitpotjaman	York
Nirun Lumlerduksanachai	Carrier
Chartchai Pisuttiboriboon	LG

**Technical Review Committee**

**Chair:** Dr. Chirdpun Vitooraporn (Chulalongkorn University)  
**Members:** Dr. Phichai Kritmaitree (Kasetsart University)  
 Dr. Prakob Surawattanawan (Kasetsart University)

**International Advisory & Steering Committee**

Singapore Chapter	Ng Eng Hong*	Chair
	Raymond Wong*	
Hong Kong Chapter	Roger Chu*	
	Vincent Tse	
Taiwan Chapter	Dr. Robert Yie-Zu Hu*	
	Den Hua Chao	
Malaysia Chapter	Dr. C S Ow	
	Steven Toh	
Philippines Chapter	Dr. Manuel C. Belino	
	Eric M. Panzo	
Thailand Chapter	Wichai Laksanakorn	
	Adj. Prof. Tawee Vechaputti	

**Local Advisory Committee**

Asso. Prof. Paibul Hungsprug	ACAT
Chaian Salicup	ACAT
Charat Sawangwan	ASHRAE, TH
Piya Chongvatana	PATKOL
Chatchawal Khumkumchoo	ACAT
Viwat Kulwongvit	MECT
Sumeth Simakulthorn	KULTHRON.
Kreetha Thienlikit	FTI (ACC)
Asso. Prof. Richakorn Jirakalwasan	Chula
Asso. Prof. Dr. Withaya Yongchareon	Chula
Asso. Prof. Sompong Pichetpinyo	KU
Dr. Pawat Vitoorapakorn	EPI
Manit Kutanapat	EIT (ME)
Apichit Lumlertpongpana	I.T.C.
Surichai Patrakitnirun	Trane
Sittidej Buddharee	Carrier
Uthai Lohachitranond	York

**Co-Sponsoring Organizations**

Air Conditioning Engineering Association of Thailand (ACAT)  
 Chulalongkorn University, Dept of Mechanical Engineering  
 Kasetsart University, Dept. of Mechanical Engineering  
 Thai Mechanical and Electrical Design and Consulting Engineer Association (MECT)  
 The Engineering Institute of Thailand, Mechanical Engineering Committee (EIT, ME)  
 Thai Refrigeration Association (TRA)  
 The Federation of Thai Industries, Air Cond. Club (FTI, ACC)

**Supported by**

ASHRAE Region XIII  
 Hong Kong Chapter  
 Malaysia Chapter  
 Singapore Chapter  
 Taiwan Chapter  
 Philippines Chapter

**Conference Contact Information:**

Dr. Chirdpun Vitooraporn  
 Building Technology and Environment Laboratory  
 Dept. of Mechanical Engineering  
 Chulalongkorn University  
 Phayathai, Phatumwan, Bangkok, THAILAND  
 Telephone: (662) 218-6622; Fax: (662) 252-2889  
 Email: [chirdpun@gmail.com](mailto:chirdpun@gmail.com)



In Celebration of King Bhumipol's 80<sup>th</sup> Birthday

9<sup>th</sup> Asia Pacific Conference 2007

on the Built Environment

Sustainable HVAC&R Technology

at The Grand Hotel

Bangkok, Thailand



November 22-23, 2007

Organized by:



Website: <http://www.ashraethailand.org>

2007 Final Announcement and

Second Call for Papers

## BACKGROUND

The Asia Pacific Conference was initiated by the Ashrae Region XIII. The conference has taken place every two years for over 16 years. It is organized alternately by the ASHRAE Chapters in the region and in cooperation with many sponsoring and cooperating organizations within the region and other parts of the world. The purpose of the conference is to advance the development of HVAC&R technology and its applications. The conference also focuses on the results of recent research and development in HVAC & R industry.



## WHY ATTEND?

- Excellent opportunity for practitioners and researchers in industry, government, consulting offices, laboratories and universities to reach an audience of 100-200 participants from over 10 countries.
- Preeminent forums for presenting HVAC&R system research results and state-of-the art technology.
- Discuss problems and solutions on the important issues of HVAC&R technology and efficiency.
- Invited keynote speakers addressing current, world-wide issues of interest facing society today.
- Session discussions highlighting the latest breakthroughs in technology, alternative technologies in research and industry.
- Opportunity to network with attendees and officers from industry organizations.



## CONFERENCE TOPICS

Air Conditioning Equipment for High Rise Buildings  
Alternative Refrigerants and Working Fluids  
Domestic Refrigerators/Freezers  
Efficiency Improvements  
Heat Exchanger Modeling  
Research and Application of Heat Pump Systems  
Industrial Refrigeration  
Lubrication Issues in HVAC&R Systems  
Maintenance & Operation Issues  
Mini-Split Systems  
Modeling of Unitary System  
Natural Refrigerants  
Novel/Alternative Systems  
Recent Advances in Ammonia Refrigeration  
Redesign for New Efficiency Standards  
Responding to New Equipment Energy Efficiency Standards  
Secondary Fluids  
Supermarket Refrigeration Systems  
System & Component Modeling  
Tran critical CO<sub>2</sub> Systems  
Transport Refrigeration  
Automotive Air Conditioning Systems  
Evaporation and Condensation Heat Transfer  
Indoor Environment Quality  
Natural Ventilation Simulation  
Application of IT in the HVAC&R Industry  
Sorption (absorption, adsorption) Refrigeration  
Solar and Geothermal Energy  
Cryogenics  
Energy Utilization  
Desiccant cooling  
System Analysis and Automatic Control  
New Technologies (including frozen-dry) for the food quality and cold chain  
Noise Reduction Technologies  
New Compressor Concepts  
Green Building Technologies  
CFD Modeling of Compressors  
Demand-Limiting Controls  
Microchannel Heat Exchangers  
Heat Transfer & Fluid Flow Fundamentals  
Probabilistic Approach in HVAC&R Calculation  
Thermal Comfort Simulation  
Case Studies (practice)



## IMPORTANT DEADLINES FOR SUBMITTING MANUSCRIPTS TO THE CONFERENCES:

June 30, 2007 Abstract submission deadline  
July 31, 2007 Notification to authors of acceptance or rejection of abstracts  
September 30, 2007 Manuscripts due to Conference Organizers  
November 22-23, 2007 Conferences take place

## LANGUAGE OF CONFERENCE

The conference will be conducted in English.  
Papers must be written in English.

## CONFERENCE REGISTRATION & PROCEEDINGS

Conference Package	Early Bird Rate (Before 15 Oct. 2007)	Standard Rate (After 15 Oct. 2007)
2-Day Package	240.00 US	280.00 US
Day 1	150.00 US	180.00 US
Day 2	130.00 US	150.00 US
Student	60.00 US	

- Attendees receive CD-ROM proceedings conferences and a printed copy either the abstracts or the papers from conferences. (depend on the no. of paper received)
- Banquet and coffee break are included in the registration fee.

## CONFERENCE VENUE AND DATES

November 22<sup>nd</sup> – 23<sup>rd</sup> 2007 at The Grand Hotel, 20 Ratchadapisek 18, Huay-Kwang, Bangkok 10310 Thailand  
Tel: +662-274-1515 Fax: +662-274-0506

