

Date: Wednesday, January 13, 2010

Time: 10:00-11:00 am Technical Seminar
11:00 am Registration
11:30-1:00 pm Luncheon Meeting

Location:

CHG City Place Conference Ctr
2711 North Haskell, Suite 100
Dallas, Texas 75204

Reservation Line: (972) 780-6019

Or online: www.dallas-ashrae.org

JANUARY CHAPTER LUNCHEON



ASHRAE DALLAS-CHAPTER

TECHNICAL SEMINAR

Variable Refrigerant Flow Systems

The seminar will discuss the concept of multiple outdoor inverter driven compressors serving numerous indoor units while varying the refrigerant flow to meet individual zone requirements. The concept has been successfully applied for more than 20 years in Europe and Asia and is rapidly gaining acceptance in North America. A typical VRF system uses ductless indoor units, but new applications can apply ducted indoor fan coils and even water cooled applications. A comparison will be made between simple chilled water systems and VRF hybrid applications. Finally, energy savings will be compared to more conventional systems.

LUNCHEON PRESENTATION

Magnetic Bearing, Frictionless Centrifugal Chiller Systems

The seminar will describe how this new green technology works. An improved Integrated Part Load Performance providing annual operating cost savings is experienced by eliminating bearing lubrication. Overall reliability is improved by eliminating oil heaters, oil coolers, oil pumps and oil piping. There will be a short discussion of the impact of responsible use of refrigerants along with a chart of the newly revised Montreal Protocol Phase Out schedule. A comparison will be made of the performances of water cooled screw machines and standard centrifugal machines against the frictionless machine, while exploring how this technology can deliver sustainable design projects meeting LEED certification criteria.

PRESENTER FOR BOTH SESSIONS:

Julian R. de Bullet has over 30 years experience in the HVAC industry. His career has concentrated on the applied use of Chilled Water and All-Air systems as a manager of applied equipment sales and as a manager of a service/performance contracting operation.

As ASHRAE Vice President (2001/2003), he served on the Board of Directors and the Executive Committee and was Chair of Member Council and Publishing Council. He is Past President of the National Capital Chapter and was Director and Regional Chair for ASHRAE Region III. He is an ASHRAE Distinguished Lecturer with over 200 Seminars delivered around the world with topics including "Responsible Refrigerant Use", "Sustainable HVAC Systems", "Variable Primary Flow System designs" and "90.1 and LEED". He is a voting member of TC 8.2 Centrifugal Chillers and has co-authored numerous ASHRAE Handbook chapters. He chaired the Professional Development Committee, (Responsible for the ASHRAE Educational programs), is a voting member of the Publications and Education Council and a voting member of the Society Advocacy Committee. He has co-authored ASHRAE Position Documents on Energy Efficiency, Natural Refrigerants and Ozone Depletion. He is a Graduate of the London University system in England, where he obtained an Electrical Engineering degree and a Diploma in Marketing.

He is currently the Director of Industry Relations for McQuay International, based in Washington D.C. He is responsible for assisting McQuay customers and McQuay sales representatives in HVAC&R system design and specification. He is a member of numerous industry associations concentrating on energy efficiency and responsible refrigerant use. He is a Board member of the Alliance for Responsible Atmospheric Policy (ARAP), a member of the AHRI Government Affairs Committee, International Committee and the Chiller Engineering Sub-Committee and represents McQuay International at both the Montreal Protocol and Kyoto proceedings as an NGO participant.

Technical Seminar is \$10.00

Luncheon Presentation is \$25.00.

For Non-Registered attendee's the cost will be \$30.00

1 PDH Credit will be available for the Technical Seminar

1 PDH Credit will be available for Luncheon Presentation.



Cityplace Conference Center

2711 North Haskell Avenue

Dallas Texas 75204

214-515-5100

Ground Level

From North Central Expressway take the Haskell Exit East. Take the first right at Weldon Street and enter garage ramp #5. Park in garage C and take the elevator to Concourse level (C). Enter through the revolving door and take the lobby elevator to the Ground Level.

Parking will be validated by your host. Under no circumstances should you park at Target, your car will be towed.

