

**SWF ASHRAE Chapter MEETING ANNOUNCEMENT**  
**DATE: WEDNESDAY, DECEMBER 12, 2007**  
**LOCATION: TOWN CENTER AT PELICAN PRESERVE, MAGNOLIA ROOM**  
**(JUST EAST OF I-75 OFF COLONIAL BOULEVARD)**

**\*\*MEMBERSHIP PROMOTION NIGHT\*\***  
**ENGINEERING CEU FOR MAIN PROGRAM**

**TIME 5:00 – 6:00 BOARD OF GOVERNOR’S MEETING**  
**5:45 – 6:45 TECHNICAL PRESENTATION - DEHUMIDIFICATION**  
**6:30 – 8:30 DINNER, MEETING, AND PROGRAM**

**COST: \$30.00 PER ATTENDEE – RESERVATIONS ARE A MUST**  
Register and Pre-Pay on our chapter website [www.swflashrae.org](http://www.swflashrae.org)  
Or RSVP to Stacey Perkins at Trane: 239-275-9420

**TECHNICAL PROGRAM – DEHUMIDIFICATION, KEN GEHRING, PRESIDENT, THERMA-STOR**

Background: Therma-Stor LLC, located in Madison, Wisconsin, was established in 1977 to apply advanced heat transfer technologies to residential and commercial markets. Beginning with heat recovery water heaters, Therma-Stor now also manufactures a line of residential dehumidifiers, which includes the Santa Fe series of free-standing dehumidifiers and the Ultra-Aire series of whole house ventilating dehumidifiers. Therma-Stor also offers HI-E Dry commercial dehumidifiers and the Phoenix line of restoration equipment for dehumidification, air scrubbing, water extraction, and evaporative drying.

**MAIN PROGRAM – SMOKE CONTROL SYSTEMS (PART2) DESIGN FOR ATRIA AND LARGE VOLUME SPACES**

Background: In fire situations, smoke is recognized as a major killer. Smoke threatens life and contributes to property damage as it migrates to location remote from the fire itself. The 1980 Las Vegas MGM Grand Hotel fire is a classic example of the smoke control problem. Although the fire was limited to the first floor, smoke spread throughout the building. Occupants on upper floors were exposed to smoke for hours before rescue. The majority of the 85 deaths occurred on floors far above the fire.

In 1983, as an attempt to consolidate practical information of smoke control design, ASHRAE published “Design of Smoke Control Systems for Buildings”. In 1992, ASHRAE and the Society of Fire Protection Engineers (SFPE) jointly published “Design of Smoke Management Systems”. The current joint ASHRAE/SFPE publication “Principles of Smoke Management” is the primary reference manual for designers of smoke management systems.

The program will provide an in depth review of the design principles provided in “Principles of Smoke Management” by addressing the purpose of smoke control systems; current codes, design guides and definitions for atria and mall smoke exhaust system design requirements, calculations and current modeling software; and implementation and performance testing.

**GUEST SPEAKER: MICHAEL E. MYERS, P.E., LEED® AP**

Michael E. Myers, PE is a Registered Professional Engineer in Florida, Ohio, New Jersey and Colorado. Mike has 29 years of experience as a consulting engineer in HVAC, plumbing and fire protection disciplines for Commercial, Healthcare, High-Rise, K-12 Educational, College/Universities, Governmental, Detention and Industrial facilities. Mr. Myers has been a Mechanical Engineering Department Manager for a major A/E Firm and an Associate Vice-President of another MEP consulting engineering firm in Ohio. Mr. Myers is a LEED® Accredited Professional by the United States Green Building Council. He is also the 2007-2008 President for the Southwest Florida ASHRAE Chapter. His current projects containing Smoke Control Systems include a 10 story Courtroom Building for the Lee County Justice Center, Lee County Jail, Emergency Services Building for Collier County and a high-rise condominium building.