

# The A.S.H.R.A.E. Newsletter

## Southwest Florida Chapter # 139



Voted Region XII Best Newsletter for ASHRAE Year 1998 - 1999, 2006 – 2007 & 2008 -2009

[www.swflashrae.org](http://www.swflashrae.org)

## Meeting Notice

Topic:

### FLORIDA LIEN LAW

Guest Speaker:

**Mark Shultz, Attorney at Law, Henderson/Franklin**

Meeting Location:

### Magnolia Room

Town Center at Pelican Preserve  
(just off Colonial Blvd.)

Time:

**5:00 – 6:00** Board of Governors Meeting

**5:45 – 6:45** Social Hour

**6:45 – 8:30** Dinner, Meeting and Program

Date:

**Wednesday**

**September 9, 2009**

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Cost:

**\$30.00 Reservations are required.**

**RSVP to Stacey Perkins:**

**(239) 275-9420**

Or

[Sperkins@trane.com](mailto:Sperkins@trane.com)

Or on line at:

[www.swflashrae.org](http://www.swflashrae.org)

### Role of HVAC&R Systems in Infectious Disease Transmission Addressed by ASHRAE

ATLANTA –As health and school officials deal with a second wave of the H1N1 virus, commonly referred to as swine flu, new information is available on health consequences of exposure to such airborne infectious diseases and the implications on the design, installation and operation of HVAC&R systems.

“While the long-standing public health view is that influenza transmission occurs through direct contact or large droplets, newer data suggests it also occurs through the airborne route, meaning HVAC&R systems may contribute far more to transmission of the disease and, potentially, to reduction of that same transmission risk,”

said Gordon Holness, president of the American Society of Heating, Refrigerating and Air-Conditioning Engineering (ASHRAE) that developed the guidance.

ASHRAE’s Airborne Infectious Diseases Position Document addresses the impact of ventilation on disease transmission, the disease for which ventilation is important for either transmission or control and the control strategies that are available for implementation in buildings. The paper can be read at

[www.ashrae.org/positiondocuments](http://www.ashrae.org/positiondocuments).

Since the first reported case in the spring of 2009, the H1N1 virus has spread to nearly 170

Please see **Disease** on page 3



## Presidents Message

By Randy Munsey

### President's Message:

Welcome all to the 2009-2010 ASHRAE Chapter year. I look forward to working with each of you as your chapter president this year. My goal is to serve you in areas of importance to you such as local programs, arranging CEU seminars and relaying your views and needs to the ASHRAE regional level.

We have a great slate of officers to work for you this year. Most of these officers attended the Region 12 CRC at St. Petersburg Beach on August 6, 7 & 8. Thanks to last year's team, our chapter received many awards. Those receiving awards included **Sam Moreland**, President, for overall chapter performance, John Abramson, for Research Promotion success, **Autumn Spaulding**, for Outstanding Membership Promotion, **Jason Grabowski**, received a Gold Ribbon for History award, **Jason Hardman**, for Region 12 Programs recognition, **Kurt Vega**, for Best Newsletter and **Sean Torgerson**, for Student Activities Achievements. Please congratulate these past and



*Randy Munsey Southwest Florida Chapter 139 President*

current officers for their hard work in representing this Chapter. Our Chapter also received recognition for exceeding \$100.00 per member in contributions for ASHRAE research promotion.

We have arranged various interesting meetings and events for this year including our annual **October golf outing**, our December meeting at **Germain Arena** for an Everblades game and a visit from **ASHRAE President, Gordon Holness** in April of 2010. We are also working on joint meetings and panel discussions. In order to serve you more effectively, we need your input. Please let us know what you want us to do for you. I have seen the impact that ASHRAE has had on our professions and encourage you to add your input.

Sincerely,

Randy Munsey  
2009-2010 SW FL ASHRAE Chapter President

## Membership

By Autumn Spaulding



The American Society of Heating, Refrigerating and Air-Conditioning Engineers advances the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world. Membership is open to any person associated with the field including indoor air quality, building design and operation, and environmental control for food processing and industry.

Membership in ASHRAE allows access to information about state-of-the-art HVAC&R technology and provides many opportunities to participate in the development of that technology. Participation is available locally, through chapters, and through membership on Society committees, such as standards projects committees, which are responsible for the

development of standards, and technical committees which advise the Society on research needs, emerging technologies, and technical matters.

**New Members and Associates will receive the 2010 ASHRAE Handbook—Refrigeration in June 2010.**

**Do not forget Our first meeting is Membership promotion and YEA night, so bring a potential new member and/or a young Engineer**

**Disease** from page 1

countries, resulting in 1,154 deaths and some 160,000 illnesses. With a better understanding of ventilation's effect on the transmission of disease, future incidents of the H1N1 virus may now be easier to prevent, according to Holness. He said several technical solutions are available to assist in avoiding transmission. These include: dilution ventilation, airflow strategies, room pressurization, personalized ventilation, source control, filtration and ultraviolet germicidal irradiation.

Airborne transmission through building ventilation systems can be significantly reduced by provision of adequate air filtration and pressurization, Holness said. ASHRAE's other guidance of relevance includes Standard 170, Ventilation of Health Care Facilities, and Standard 611, Air Quality Within Commercial Aircraft.

**ASHRAE Announces Newest Distinguished Lecturers for 2009**

ATLANTA – ASHRAE has named 13 new Distinguished Lecturers who provide Society chapters with noted authorities who speak on relevant topics that impact the HVAC&R industry. This marks the 13th year of the Distinguished Lecturer Program. The new lecturers and their areas of expertise are:

**David Arnold, Ph.D.**, Troup Bywaters and Anders, Reading, England – Chilled Beams for Low Energy Cooling in Sustainable Buildings, Estimating the Future Reliable Service Life of Existing Plant, The Evolution of Modern Office Buildings and Air Conditioning and Air Conditioning and the Impact on the Growth and Development of the USA in the 20th Century.

**William P. Bahnfleth, Ph.D., P.E.**, Pennsylvania State University, University Park, Pennsylvania – Fundamentals of Ultraviolet Germicidal Irradiation for Air and Surface Disinfection, Variable Primary Flow Chilled Water Systems and Cool Thermal Energy Storage in the Era of Sustainability.

**Hoy Bohanon, P.E.**, WorkingBuildings, LLC., Winston-Salem, North Carolina – Update on ASHRAE Standard 62.1, How to Apply the ASHRAE Standard 62.1 Multiple Spaces Equation, How to Implement Demand Control Ventilation and Comply with ASHRAE Standards and Using the Retro-commissioning Process for Energy Savings and Recovery Equipment.

**William A. Harrison**, Trane Arkansas, Little Rock, Arkansas – Maintain to Sustain-Delivering ASHRAE's Sustainability Promise.

**Sam C. H. Hui, Ph.D.**, The University of Hong Kong, Hong Kong – Building Energy Codes and Building Energy Performance Evaluation, Building Energy Labels and Energy Benchmarking, Green Building Design and Assessment and Green Roof Systems and Technology

**Sanjeev Jain, Ph.D.**, Indian Institute of Technology Delhi, New Delhi, India – Renewable and Low Energy Driven Cooling Technologies for a Greener Tomorrow, Desiccant Technologies for Dehumidification and Cooling, Natural Refrigerants: Meeting the Challenges to Sustainability and Advanced Evaporative Cooling Systems for Sustainable Development

**Ronald E. Jarnagin**, Pacific Northwest National Lab, Richland, Washington – Standard 90.1-Past, Present and Future, Advanced Energy Design Guides-Going Beyond Minimum Standards, Moving from Blue to Green-ASHRAE's Path to Sustainability, Today's ASHRAE-It's Not What You Think Anymore, ASHRAE's Headquarters Renovation-What Happens When Leaders Try to Do It Right, ASHRAE's Living Laboratory-Learning and Involvement by All Members and ASHRAE's Building Energy Labeling Program-A First Look

**M. Dennis Knight, P.E.**, DHIMEX, Mexico City, Mexico – Developing and Integrated Personal Management System to Help Get Things Done, Integrated Building Design, Building Performance Analysis for Building Performance Rating Systems and Building Information Modeling for the Mechanical Disciples.

**R. Christopher Mathis**, MC2 Mathis Consulting Company, Asheville, North Carolina – Energy Efficiency in Residential Buildings, Energy Efficient Window and Fenestration Technologies, Energy Efficiency in Commercial Buildings, Compliance with ASHRAE 90.1 and Building Science Lessons from the Honey Bees

**Jianlei Nui, Ph.D.**, The Hong Kong Polytechnic University, Hong Kong – Room Air Distribution: Stratified Air Distribution Systems and Reduced Cooling Load Calculation Methods, Personalized Ventilation: Energy Saving Potential and Application Modes, High-Rise Residential Building Ventilation Design: Public Health and Local Community Air Quality and Low-Energy Building Cooling and Heating Technologies: From Sky to Underground to Address Sustainability.

**Todd L. Rindlisbaker, P.E., QcXP, HBDP, LEED® AP, CDP**, Total Building Commissioning, Inc., Salt Lake City, Utah – Design Engineers Working with a Commissioning Agent, Who Sabotaged My High-Performance Building, The LEED and ASHRAE Affair and The Integrated Project Delivery Process.

**Wei Sun, P.E.**, Engsysco, Inc., Ann Arbor, Michigan, Cleanrooms and HVAC Systems Design Fundamentals, Laboratories and HVAC Systems Design Fundamentals, HVAC Systems Design for Airborne Infection Control Spaces in Healthcare Facilities, Design Practices for Pressurization Systems-Technologies in Suite Pressure Control and Performance Modeling, Fan Energy Conservation in Cleanrooms-Airflow Modeling and Demand Flow Control and Primary, Secondary and Tertiary Air Handling Systems Design Strategies for Controlled Environments

Please see **Lecturers** on Page 5



Past Presidents of  
Southwest Florida  
Chapter #139

1982 - 1983	Edward O'Neal, P.E.
1983 - 1984	Edward O'Neal, P.E.
1984 - 1985	Dennis Holland
1985 - 1986	Ross Montgomery
1986 - 1987	Jeff Dorini
1987 - 1988	Kermit Rood
1988 - 1989	Bill Malphus
1989 - 1990	Tom Delnay
1990 - 1991	Nelson Tarbox
1991 - 1992	Gary H. Griffin
1992 - 1993	Gary H. Griffin
1993 - 1994	Jeff Zenoniani
1994 - 1995	Lisa A. Duritsch
1995 - 1996	Jason Grabowski
1996 - 1997	James Faulkner
1997 - 1998	Robert Risley
1998 - 1999	Winifred Denius
1999 - 2000	Paul Martin
2000 - 2001	Don Pine
2001 - 2002	Randy Saul
2002 - 2003	Jason Allen
2003 - 2004	Mark Brant, PE
2004 - 2005	Guy Van Meulebrouck
2005 - 2006	John Pennington
2006 - 2007	Kurt Vega
2007 - 2008	Mike Myers
2008 - 2009	Sam Moreland

Please help us update the ASHRAE email list

email to Kurt Vega at [kurt.vega@emerson.com](mailto:kurt.vega@emerson.com).  
Or call 239-693-7200 X 218 mail to:

Kurt Vega  
Emerson Industrial Automation / Control  
Techniques.  
5580 Enterprise Parkway  
Fort Myers, FL 33905

Please include the following:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email: \_\_\_\_\_

Membership # \_\_\_\_\_

## From your Chapter and Regional Webmaster:

We are seeking sponsorship for our Chapter's website. If you are interested, please send your business card or logo along with \$20 for one year of advertisement on the Chapter website. Also, I am in need of pictures of the SW Florida scenery that I can use for a new Title banner background. If you have any pictures that you think would show our wonderful climate and scenery, please forward to me in jpeg or gif format. [mmyers@jalrw.com](mailto:mmyers@jalrw.com)



## This Month's Topic: **FLORIDA LIEN LAW**

### **Back Ground:**

Come learn what is required to file a lien for a design professional in Florida. Also learn what a lien can and can not do in assisting a design professional in collecting for work performed but not paid. Florida lien law is controlled by Florida Statutes and is a complex area of critical concern to design professionals in these difficult economic times.

A realistic understanding of what a lien can and can not do is critical for Florida design professionals so that they can make informed decisions when confronting outstanding accounts receivable. This seminar on Florida lien law will provide an overview of what a Florida lien is, how it is filed, and what role it plays in collecting outstanding accounts receivable

### **Guest Speaker:**

#### **Mark Shultz, Attorney at Law, Henderson/Franklin**

Undergraduate Degree: James Madison University, B.A., summa cum laude, 1989  
Law Degree: University of Florida College of Law, J.D., 2002  
Admitted to The Florida Bar: 2002

Mark Schultz focuses his practice in the area of Tort and Insurance Litigation, defense of design professionals in civil suits, construction and design professional contract drafting, and defense of design professional in administrative complaints before the Board of Professional Engineers and the Board of Architecture and Interior Design.

His experience includes complex litigation involving medical malpractice cases, torts, insurance defense disputes, business dispute cases, and lien law and collection matters involving design professional and claims of lien.

Mark is admitted to practice in the United States District Court, Middle District of Florida, as well as all Florida State Courts.

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### **Lecturers from page 3**

**Dennis A. Stanke**, Trane Commercial Systems, Ingersoll-Rand, La Crosse, Wisconsin – Standard 62.1 Update, Standard 62.1: The Ventilation Rate Procedure, Standard 62.1: Dynamite Reset and LEED Indoor Environmental Quality (EQ) Credits.

The new lecturers will serve a two-year term. There are 72 Distinguished Lecturers representing 20 countries for 2009-2010. These lecturers are available to present on 319 topics.

For a complete listing of Distinguished Lecturers and detailed procedures on how to arrange a lecturer presentation, visit <http://www.ashrae.org/distinauishedlectur>

### **Articles Wanted**

If you have an article of interest for the newsletter please submit it via email in word format to Kurt Vega at [kurt.vega@emerson.com](mailto:kurt.vega@emerson.com) Please submit it at least three weeks prior to the next published meeting date. Your article will be reviewed for content and relevancy. Articles must be relevant to the Air Conditioning and Heating industry and may not be a commercial advertisement for a product, service, or company.

### **Thank You, Thank You, Thank you.**

That's all I can say to those who voted this newsletter best in Region XII again. However I cannot take all of the credit for this award. There are many people who contribute to this newsletter each and every month, usually with a lot prodding and friendly reminders of the deadline.

Respectfully the Editor



### Southwest Florida Chapter Meeting dates:

September 9 – Mark Schultz – Lien Laws (YEA and Membership) Ross Montgomery Region XII DRC will be attending.

October 14 – Ken Buschle - LEED v3 (Research Night) Research RVC Dan Rogers will be attending.

October – GolftoberFest

November 11 – Collier Car Museum Tour (CH Motorcar) Dinner at Spanky's Speakeasy

December 11 – Hockey Night - Florida Everblades Tour and Game (Membership Night)

January 13 – Drury Crawley (Distinguished Lecturer) – Are High Performance Buildings Really Performing? (Joint with AIA and USGBC)

February 10 – Gordon Holness - President's Meeting

February – Pool Tournament

March 10 – Jeff Endrulat – Variable Refrigerant Flow Systems

April 14 – Nick Agopian – Gas Phase Filtration

April– Fishing Tournament

May 12 – Panel Discussion

#### The Officers

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President-Elect – Lawrin Ellis 239-275.4240 [lawrin.ellis@tlc-eng.com](mailto:lawrin.ellis@tlc-eng.com)

Vice President – Autumn Spalding 239-332-4646 [aspalding@bandicontractors.com](mailto:aspalding@bandicontractors.com)

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Treasurer – Stacey Perkins 239-275.9420 [sperkins@trane.com](mailto:sperkins@trane.com)

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Membership Promotion – Autumn Spalding 239-332-4646 [aspalding@bandicontractors.com](mailto:aspalding@bandicontractors.com)

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CTTC - Jason Hardman 239-332-4646 [jhardman@bandicontractors.com](mailto:jhardman@bandicontractors.com)

Programs – Jason Hardman 239-332-4646 [jhardman@bandicontractors.com](mailto:jhardman@bandicontractors.com)

Student Activities - Robin Sikorski 239-332-4646 [Rsikorski@bandicontractors.com](mailto:Rsikorski@bandicontractors.com)

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Webmaster – Mike Myers 239-275.4240 [mmyers@jalrw.com](mailto:mmyers@jalrw.com)

#### Board of Governors:

Sam Moreland – 239-275-9420 [Sam.Moreland@Trane.com](mailto:Sam.Moreland@Trane.com)

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Don Pine – 239-939-4502 [dpine@umihvac.com](mailto:dpine@umihvac.com)

Gary Griffin – 239-332-4646 [Garyg@bandicontractors.com](mailto:Garyg@bandicontractors.com)

Kurt Vega – 239-464-3762 [kurt.vega@emerson.com](mailto:kurt.vega@emerson.com)

#### Golf Tournament Chair

Golf Tournament Chair – Woody Wilson 239-209-6626 [wwilson@tombarrow.com](mailto:wwilson@tombarrow.com)

#### Website

[www.swflashrae.org](http://www.swflashrae.org)

*Statements made in this publication are not expression of the Society*