



Lehigh Valley Insights

JOURNAL OF THE LEHIGH VALLEY CHAPTER OF THE ASHRAE, INC.

VOLUME 48 ISSUE 1

September 2012

2012-2013 LEADERS

OFFICERS

President: Nicholas Kaintz
(610) 694-8020

President Elect: OPEN

Vice-President: OPEN

Secretary: Erony Whyte Martin
(484) 224-3042

Treasurer: Gabe Badesso
(484) 223-1730

BOARD OF GOVERNORS

Ray Forsthoefel (484) 223-1730
Bryan Sandt (610) 253-9677
Ethan Fick (610) 865-3000

COMMITTEE CHAIRPEOPLE

Membership Promotion: Matt
Matsinko (610) 530-2600 ext. 126

Student Activities: Paul Kuhn
(610) 715-5364

CTTC: Thomas Serwatka

Research Promotion:

Frank Paretti, Jr. (610)-841-9359

Historian:

William Trach (610) 395-3617

Newsletter Editor: Ray Forsthoefel
(484) 223-1730

c/o TRANE

5925 Tilghman St. Suite 70
Allentown, PA 18104

E-mail : rjforsthoefel@trane.com

Webmaster: Stuart Heisey
(610) 373-6667

Homepage Editor: Frank Paretti, Jr.

MEETING NOTICE

WWW.LVASHRAE.ORG

Wednesday, September 26, 2012 Energy Star and LEED – Maximizing EAc1 Points

at

Mango's Coastal Cuisine
3750 Hamilton Blvd. Allentown, PA 18103
(Route 222 North)

4:30 – 5:30 p.m.

Board of Governors Meeting

(Chapter members are welcome to attend)

5:30 – 6:30 p.m.

Tech Session: "Energy Simulation for Existing Buildings – Workarounds for Calibration of Unique Systems"

6:30 – 7:00 p.m.

Social ½ hour

7:00 – 7:45 p.m.

Dinner

7:45 – 8:45 p.m.

Dinner Program: "Energy Star and LEED – Maximizing EAc1 Points with An Eye On the Target (Finder)"

Reservations: Frank Paretti

Email: paretti.frank@gmail.com

Members & Guests \$30 for Buffet

Please make your reservations by Noon on, **Monday, September 24, 2012 for meeting.**

NOTE: Paypal will not be available this month as our new website is not ready yet.

President's Message

I would like to welcome everyone to another exciting year programs. The board has been working hard all summer to generate useful and engaging topics. A few announcements first let's congratulate Donovan Denlinger on an excellent job as President for 2010-2012. Donovan's commitment and hard work has shown through with our exceptional program attendance. Also he has cultivated a strong board with new faces which ensures the future success of our chapter. Next congratulations are also in order for Frank Paretti our Research Promotion chair who has once again broken our chapter goal for RP. Way to go Frank!!! I would like to draw everyone's attention to our website or lack thereof. We have been fortunate enough to finally fill the role of webmaster and he is working hard to get a "new and improved" site up and running which will enable us to put more information on the site to better serve our members. While the site will be ready before the September meeting Paypal will not be operational so you will have to pay at the door. Look for a formal announcement when the website is complete.

Nicholas Kaintz
President
Lehigh Valley Chapter

Energy Star and LEED September 26, 2012 Meeting

Technical Session: "Energy Simulations for Existing Buildings – Workarounds for Calibration of Unique Systems"

After Dinner: "Energy Star and LEED - Maximizing EAc1 Points with An Eye On the Target (Finder)". This will include building simulation vs. actual energy case studies.

Speaker Bio: Stuart J. Heisey, PE, is the Manager of Mechanical Engineering at Entech Engineering, Inc. in Reading, PA. Over the course of his career, Mr. Heisey has designed HVAC systems for a wide variety of building types ranging from cold storage warehouses to Hospital ORs to primary and secondary schools and more. With a few exceptions, each of these systems utilized computer modeling software to determine design loads and compare system options.

With the latest surge of green building design (most notably led by the USGBC LEED Guidelines) Mr. Heisey has designed and modeled dozens of building HVAC systems with fully developed 8760 hour simulations of annual energy use and cost. Nine of these buildings were designed, modeled and submitted to comply with the requirements of LEED, comparing them to the ASHRAE 90.1 Baseline Building. For many of the building simulations, some aspect of the HVAC design cannot be directly modeled by the simulation software of choice. As such, Mr. Heisey has developed countless workarounds to mimic the actual operation of the building systems as designed.

In addition to modeling buildings based on design intent, Mr. Heisey has utilized building simulation software for the purpose of developing calibrated models of existing buildings. Most recently, Mr. Heisey has overseen the modeling, simulation and calibration of over four million square feet of existing buildings under the jurisdiction of the Architect of the Capitol in Washington, DC. Models have included the following system types: Induction Units, Dual Duct VAV, VAV with Reheat, Fan Coil Units, Active Desiccant Dehumidification, Variable Refrigerant Flow, Dedicated Outside Air, Geothermal Heat Pumps, and many others.

CRC Baltimore Report

CRC- 2012 Baltimore Report

It was a very good CRC, Baltimore did a great job. The following is the list of awards the L.V. Chapter received.

Research Promotion – Frank Paretti – Pit Bull Award, awarded for outstanding achievement.

Chapter RP Awards – L.V. – Goal, High Five, and Challenge

Membership Promotion – Matt Matsinko – Green Ribbon Award, for success with increasing online membership transactions.

Remember, the CRC 2013 will be in the Lehigh Valley on August 16th & 17th. It will be at the Hotel Bethlehem. Please try to attend and volunteers are needed to help.

Thank you.
Matt Matsinko
Membership Promotion Chairman

Board of Governors Meeting Minutes May, 2012

No May meeting due to Tour of SteelStax

Research Promotion

Good day!

As we start the 2012 – 2012 fiscal year, I wanted to take time to thank everyone for their support of ASHRAE Research Promotion. With your help, we have surpassed all expectations again for Lehigh Valley Chapter giving. Together, we contributed over \$6900 dollars last year. I hope we can continue the success in this year's campaign.

Every dollar of our donations fund research projects in our region, Region III. Some projects funded by our giving include researching the accuracy of VAV boxes at low flow conditions and researching new tools for evaluation and fault detection in air handlers. Both projects are examples of the research and "grant in Aid" projects in our Region and funded in part by our contributions. A complete list of Region III and all ASHRAE funded research projects is available should you want it.

I would encourage you to attend chapter meetings this year. If you haven't attended in a while, I would encourage you to join us again. Come and network with local HVAC professionals and members of other professional organizations in the area. I also encourage you to donate to the research campaign this year and help fund the projects that directly affect our industry.

Sincerely,
Frank Paretti
Research Promotion Chairman

**LEHIGH VALLEY CHAPTER OF ASHRAE
2012-2013 MEETING SCHEDULE**

MONTH	TECHNICAL/DINNER PROGRAM	EVENT	PROGRAM CHAIR
Sept. 26 th	Energy Simulations: Energy Star and LEED		Stuart Heisey
Oct. 24 th	Marcellus Shale	Membership Promotion	
Nov. 14 th	BIM Topic		
Dec.	No Meeting		
Jan 23 rd	ASHRAE Std. 62.1		
Feb. 27 th	Refrigeration Topic	Research Promotion	
Mar. 27 th	Filtration Topic		
Apr. 24 th	Seismic Topic		
May 22 nd	Tour		
June 7 th	Annual Golf Outing	Support of Research Promotion	