

# Lehigh Valley Insights

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

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May 2011

## 2010-2011 LEADERS

## MEETING NOTICE

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[WWW.LVASHRAE.ORG](http://WWW.LVASHRAE.ORG)

**Wednesday, May 25, 2011**

**Lehigh University Tour  
STEPS Building**

**Dinner: Starters Riverport  
17 W. 2<sup>nd</sup> Street  
Bethlehem, PA**

**Tour: 5:00 p.m.  
Dinner: 6:45 p.m.**

Reservations: Frank Paretti  
Email: [paretti.frank@gmail.com](mailto:paretti.frank@gmail.com)

Members & Guests \$30.00 for Buffet

Please make your reservations by Noon on Monday, May 23, 2011.

Members can utilize Pay Pal online payment option on our website ([www.lvahrae.org](http://www.lvahrae.org))  
for your RSVP.

## President's Message

Ladies and Gentlemen,

May Tour – will be on Wednesday, May 25<sup>th</sup> for the new **Lehigh University STEPS Building**. (STEPS = Science, Technology, Environment, Policy & Society). Tour to start at 5:00 p.m. Dinner at 6:45 p.m. at Starters Pub in Bethlehem.

Donovan Denlinger  
President  
Lehigh Valley Chapter - ASHRAE

## May 25<sup>th</sup> Tour

Lehigh University STEPS = Science, Technology, Environment, Policy and Society

General Tour Data:

The Lehigh University STEPS facility was over five years and three AE teams in the making. Many sites, design studies and estimate models led to the state of the art \$60,000,000 facility that provides 120,000 square feet of modern Lab, Classroom, Office and Communication Space. Lehigh University desired this facility to be a place to “see and be seen”.

The desire for basic LEED certification was a stated goal as part of the LU Campus Greening Initiative. The design and construction team evaluated many alternatives which led to a submission for LEED Gold, which is currently under review by USGBC. Basic building elements visually demonstrate the sustainable aspects of the facility.

Mechanical features include 700 tons of chilled water, 187,000 CFM of standard cataloged and custom airside systems with energy recovery and nearly 600 ATC Lab supply and exhaust air valves and over 100 VAV zones. Dual temperature hot water systems for primary and reheat were installed including conversion from CUP steam. A five floor Atrium with a smoke evacuation system was installed. An internal courtyard water feature is also a highlight.

Plumbing system for RO/DI water plus vacuum compressed air, gas and acid neutralization systems are also included and will be shown on the tour.

Lutron daylight harvesting systems were also used in all Labs and integrated with overall lighting management.

The Tour will be directed by Larry McCabe, PE, LEED AP, Senior Project Manager, Alvin H Butz, Inc. and a Lehigh Valley Chapter Member of ASHRAE.

## Tour Notes

- 1) Suggest Parking at Starters River Port by 4:30 and walk up to the STEPS Building. We will meet in the courtyard on W. Packer Avenue (across the street from Packer Chapel).
- 2) Tour starts at 5:00 p.m.
- 3) After Tour walk back down to Starters.
- 4) Directions: From Starters on 2<sup>nd</sup> Street, up New Street past 4<sup>th</sup> Street, cross Morton Street, through the Campus Square, Pass the Library to the STEPS Courtyard, just North of West Packer Avenue.

## Buffet after Tour

**Salad Choices** – Garden Salad with choice of dressings, Caesar Salad with grated parmesan and croutons.

**Entrée Choices** – Herb Roasted Boneless Breast or Grilled Flank Steak Topped with Grilled Onions

**Accompaniments** – Roasted Red Skin Potatoes, Roasted Seasonal Vegetable Medley

Soda, Iced Tea and Cookies included.

**Cash bar** – All guests will pay for their own alcohol separately if desired.

## Research Promotion

Good day!

The Summer hiatus will come and we all get a break from Lehigh Valley ASHRAE. Before then, we have one more exciting event in June. The Lehigh Valley Annual Golf outing comes June 3<sup>rd</sup>. The outing proceeds benefit ASHRAE Research Promotion. I hope to see you all there as the Valley shows its support for the benefits of ASHRAE Research. To that end, the chapter runs slightly behind the pace of last year by \$335.00. I know this is a margin we can make up easily. If you have given this year, thank you. If you have not given, please show your support of Research by attending the golf outing and/or sponsoring a hole. Information should be available in the newsletter.

Thank you,  
Frank Paretti  
Research Promotion Chair

# ASHRAE GOLF OUTING

**Friday, June 3, 2011**  
TO BENEFIT ASHRAE RESEARCH

**PLACE:** GREEN POND COUNTRY CLUB, BETHLEHEM, PA.  
**TIME:** SHOTGUN START AT 11:00 A.M. DINNER TO FOLLOW  
**FORMAT:** 4-MAN SCRAMBLE  
**COST (per person):** \$90.00 GOLF & DINNER  
\$45.00 DINNER ONLY

GOLF INCLUDES GREENS FEE, CART, REFRESHMENTS (BEER & SODA), A HOT DOG AND A DRINK AFTER 9 HOLES AND PRIZES.

**Hole Sponsorship will be accepted. Look for our April Newsletter hole sponsor details.**

COME ENJOY A FUN DAY WITH US!  
**RESERVATIONS MUST BE MADE BY MAY 13, 2011**

**CONTACT:** Mike Schultz at 484-223-1730 or email [mrschultz@trane.com](mailto:mrschultz@trane.com) to sign up.

- NOTES:**
- Contact above if you can donate a golf prize.
  - Payment must be received by **May 13**, at:  
Trane  
5925 Tilghman St. W.  
Suite 70  
Allentown, PA 18104
  - **Make checks payable to:** ASHRAE – Lehigh Valley Chapter
  - Space is limited and on a first-come basis
  - **Payment must be received prior to tournament**



**LEHIGH VALLEY CHAPTER OF ASHRAE  
2010-2011 MEETING SCHEDULE**

<b>MONTH</b>	<b>TECHNICAL/DINNER PROGRAM</b>	<b>EVENT</b>	<b>PROGRAM CHAIR</b>
Sept 29 <sup>th</sup>	Convergence of Telecommunications and Data Centers		Donovan Denlinger
Oct. 27 <sup>th</sup>	Cost Effective IAQ through Air Monitoring	Membership Promotion #1	Paul Kuhn
Nov. 17 <sup>th</sup>	Energy – Daylight Harvesting, Solar	Joint IFMA Meeting (AM Mtg)	Paul Kuhn
Dec.	No Meeting		
Jan 19 <sup>th</sup>	Engineering Modeling for LEED EAC #1		Ethan Fick
Feb. 23 <sup>rd</sup>	ASHRAE/USGBC 189.1 The Green Standard	Student Activity #1	Ahmad Mahmud
Mar. 30 <sup>th</sup>	ASHRAE Building Energy Labeling William Bahnfleth, PSU	Membership Promotion #2	Ethan Fick
Apr. 21 <sup>st</sup>	Ground Source Heat Pump Webinar	Research Promotion #1	
May 25 <sup>th</sup>	Tour – Lehigh University – STEPS	Tour: 5:00 p.m. Dinner: 7:00 p.m.	Ray Forsthoefel
June 3 <sup>rd</sup>	Annual Golf Outing		