

Lehigh Valley Insights

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

VOLUME 47 ISSUE 6

March 2012

2011-2012 LEADERS

OFFICERS

President: Donovan Denlinger
(610) 567-5042

President Elect: OPEN

Vice-President
Ahmad Mahmud, PE
(610) 351-8225

Secretary: Nicholas Kaintz
(610) 694-8020

Treasurer: Gabe Badesso
(484) 223-1730

BOARD OF GOVERNORS

Don Chase (215) 491-1700
Ray Forsthoefel (484) 223-1730
Bryan Sandt (610) 253-9677
Ethan Fick (610) 694-8020

COMMITTEE CHAIRPEOPLE

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

Student Activities: Paul Kuhn
(610) 715-5364

CTTC: Erony Martin
484-224-3042

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: OPEN
Homepage Editor: Frank Paretti, Jr.

MEETING NOTICE

WWW.LVASHRAE.ORG

Wednesday, March 14, 2012

Computational Fluid Dynamics And Natural Ventilation Systems

Presenter: Dr. Kishor Khankari, PhD
ASHRAE Distinguished Lecturer

Research Promotion Night

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

Attendees will receive a certificate for 2 PDH.

4:30 – 5:30 p.m.	Board of Governors Meeting (Chapter members are welcome to attend)
5:30 – 6:15 p.m.	Tech Session – CFD (see page 2)
6:15 – 6:45 p.m.	Social ½ Hour
6:45 – 7:30 p.m.	Dinner
7:30 – 8:30 p.m.	Dinner Program: Natural Ventilation Systems

Reservations: Frank Paretti
Email: paretti.frank@gmail.com
Members & Guests \$30.00 for Buffet

Please make your reservations by Noon on Monday, March 12, 2012. Members can utilize Pay Pal online payment option on our website (www.lvahrae.org) for your RSVP.

President's Message

Ladies and Gentlemen,

Thank you to Michelle Pino and Scott Sine, P.E. for the great presentations at our February meeting. ASHRAE has launched a new redesigned website at www.ashrae.org. Check it out when you get a chance.

This March meeting our local chapter welcomes Dr. Kishor Khankari, ASHRAE distinguished lecturer. I look forward to seeing you there at this presentation!

Thanks!

Donovan Denlinger
President
Lehigh Valley Chapter - ASHRAE

Wednesday, March 14, 2012

Before Dinner Tech Session:

Data Center airflow modeling by Computational Fluid Dynamics (CFD) will be discussed by Dr. Khankari.

After Dinner Presentation:

Design and Analysis of Natural Ventilation Systems:

Natural Ventilation and mixed mode ventilation systems are becoming popular due to their ability to provide better indoor air quality with higher energy efficiency. Various factors such as local weather conditions, building orientation, building massing, effective opening areas and their locations, relative height differences, internal heat loads, furniture and seating arrangement within the occupied spaces can affect the performance of natural ventilation systems. This presentation will discuss basics of natural ventilation and demonstrate how to evaluate and optimize the performance of such systems.

Biography:

Dr. Kishor Khankari, Ph.D., is an Associate Partner at Syska Hennessy Group. As a specialist in Computational Fluid Dynamics (CFD), he works closely with his clients to provide optimized HVAC solutions using CFD techniques. Kishor has several years of experience in providing consulting services that have resulted in the development of solutions to a wide variety of engineering problems involving fluid flow, heat transfer, mass transfer and other similar engineering processes. Dr. Khankari has developed a patented technology of a wind band design of exhaust fan assembly systems. He has developed several easy-to-use analytical software tools, which are regularly used by design engineers in a variety of companies including those in the critical facility and automotive industries.

A noted expert in his field, he has a Ph.D. in CFD from the University of Minnesota and has been regularly published in several technical journals and trade magazines. Dr. Khankari is an eloquent speaker and has made presentations on topics related to design and optimization of HVAC systems at various technical conferences and professional meetings.

Dr. Kishor Khankari is an active member of ASHRAE both at local and national level. He is a member and Secretary of the Board of Governors of Detroit ASHRAE Chapter. He is serving as a voting member and Chair of Research subcommittee of ASHRAE Technical Committee TC9.11 Clean Spaces.

Research Promotion

Good day,

March sees our first Research Promotion night to honor our past donors in the chapter. To celebrate this, we have invited a Distinguished Lecturer to speak on ASHRAE Natural Ventilation and will be personally thanking all past donors. These past donors helped ASHRAE research donations for the Lehigh Valley surpass goal each year for the past two years.

This year, with your help, we can do it again. Please consider giving to ASHRAE research this month or as you make your membership renewal with Society. If you would like to make a gift by check, you can find me, Frank Paretti, at the meeting.

June 1st is the golf outing. The flyer with the particulars can be found towards the end of the newsletter. I invite all those looking for a change of pace to consider getting a foursome together and joining us at Green Pond Country Club again. All proceeds from the event benefit ASHREA research. If you have any questions about ASHRAE research of the golf outing, or would like to sponsor a hole/advertise, please do not hesitate to contact me.

I will hopefully see you at the meeting.

Frank Paretti
Research Promotion Chair

Board of Governors Meeting Minutes February 22, 2012

Officers Present:

Donovan Denlinger – President
Ahmad Mahmud – Vice President
Gabe Badesso – Treasurer
Nicholas Kaintz - Secretary

Board of Governors Present:

Bryan Sandt

Committee Chairs Present:

Matt Matsinko – Membership Promotion
Paul Kuhn – Student Activities
Frank Paretti – RP
Erony Whyte Martin – CCT
Bill Trach – Historian

Attendee:

Tom Serwatka

Call to Order:

Meeting called to order at 4:36 PM; Donovan Denlinger chaired the meeting.

Old Business:

Officer/Chair Reports:

1. Membership Promotion
 - a. Gave Society delinquency list
2. Research Promotion
 - a. The LV Chapter made the full circle honor

New Business:

1. Golf Outing:
 - a. Frank Paretti stated that the new fees would be \$125 to purchase a hole and \$90 per golfer.
2. Research Promotion:
 - a. Frank Paretti suggested that we add business cards to the website to generate money. It was seconded by Bill Trach.
3. 2012 CRC:
 - a. Donovan Denlinger asked for volunteers to get information on Hotels. Gabe Badesso will get information on Hotel Bethlehem and Bryan Sandt on the Sands Casino.
 - b. Matt Matsinko asked where a welcome reception could be held at the Sands Casino. Steel Stacks and Lehigh Mountaintop Campus were two possibilities.
 - c. Activities for family members was discussed including Dorney Park and shopping in Downtown Bethlehem.
4. Board Member Comments:
 - a. Matt Matsinko asked what the status was on the President Elect position. Donovan Denlinger asked interested parties to fill the position as it is advantageous to have it filled by the CRC.
 - b. Tom Serwatka agreed to fill the webmaster position.

Motion to adjourn: Donovan Denlinger

Second: Ahmad Mahmud

Submitted by Nick Kaintz

Lehigh Valley Chapter Secretary

ASHRAE GOLF OUTING

Friday, June 1, 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.

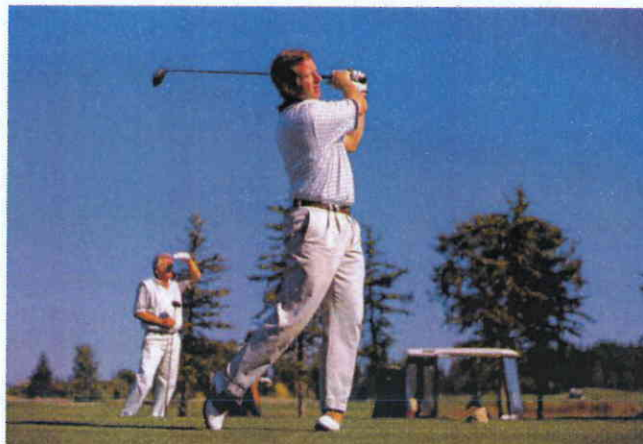
Hole sponsorship will be \$125.00 per hole. Please contact Frank Paretti (610-704-2169 or Tom Serwatka (Cell: 484-650-1024) for details

COME ENJOY A FUN DAY WITH US!

RESERVATIONS MUST BE MADE BY MAY 14, 2011

CONTACT: Frank Paretti at 610-704-2169 or email: paretti.frank@gmail.com to sign up.

- NOTES:**
- Contact above if you can donate a golf prize.
 - Payment must be received by **May 14**, at:
Trane
c/o Gabe Badesso
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
2011-2012 MEETING SCHEDULE**

MONTH	TECHNICAL/DINNER PROGRAM	EVENT	PROGRAM CHAIR
Oct. 26 th	DOE Energy Innovation HUB Dr James Freihaut, PSU	Membership Promotion	Bill Trach
Nov. 30 th		Joint IFMA Meeting (AM Mtg)	
Dec.	No Meeting		
Jan 18 th	TC 9.9 – Data Center Efficiency Justin Mazur		
Feb. 22 rd	Health Care Design	Membership Promotion	Erony Whyte Martin
Mar. 14 th	Natural Ventilation Systems ASHRAE DL – Dr. Kishor Khankari	Research Promotion	Ahmad Mahmud
Apr. 19 th	ASHRAE - Dedicated Outdoor Air Webinar – 12:00 to 3:00 p.m. Copperhead Grille – Airport Rd.	A Path to Balanced Energy & IEQ	
Apr. 25 th	Intro to ASHRAE 188P – Prevention of Legionellosis	Joint LV IFMA Meeting	
May 23 rd	VRF Presentation	Joint AIA, CSI Meeting	
June 1st	Annual Golf Outing	Support of Research Promotion	