



## Johnstown ASHRAE February 2016 Meeting

### Inside This Issue

Meeting Topic/Info	1
Speaker Bio	2
President's Message	3
ASHRAE Conference	4
ASHRAE Certifications	5
Calendar of Events	6
Chapter Contacts	7

- o Date: Thursday, February 18, 2016
- o Location: [UPJ Living Learning Center](#)  
([450 Schoolhouse Rd, Johnstown, PA 15904](#))
- o Speaker: **William P. Bahnfleth, Ph.D., P.E.**
- Topic: **The ASHRAE Building Energy Labeling Program**
  - o GBCI Approved | 1 CE Hour | 0920002620
  - o AIA Approved|1LU/HSW|BAHNFLETH01
- o RSVP to Terry McClemens @ [TMcClemens@hflenz.com](mailto:TMcClemens@hflenz.com)  
by February 12, 2016
- o Cost: \$25 per Person
- o Time: 5-6 pm: Social Hour  
6-8:00 pm: Dinner/Presentation

**\*New for 2016\***

Prepay and RSVP from our website

# Speaker Bio



William Bahnfleth is Professor and Director of the Indoor Environment Center in the Department of Architectural Engineering at the Pennsylvania State University (Penn State) in University Park, PA, where he has been employed since 1994. Previously, he was a Senior Consultant for ZBA, Inc. in Cincinnati, OH and a Principal Investigator at the U.S. Army Construction Engineering Research Laboratory in Champaign, IL. He holds BS, MS, and PhD degrees in Mechanical Engineering from the University of Illinois, where he also earned an undergraduate degree in music (pipe organ performance), and is a registered professional engineer.

At Penn State, Dr. Bahnfleth teaches undergraduate courses in HVAC fundamentals and controls and graduate courses in chilled water systems, hot water and steam systems, and indoor air quality. His research interests cover a wide variety of indoor environmental control topics, including chilled water pumping systems, stratified thermal energy storage, protection of building occupants from indoor bioaerosol releases, ultraviolet germicidal irradiation systems, and others. He is the author or co-author of more than 150 technical papers and 13 books and book chapters. He consults on the design of chilled water thermal energy storage systems and has been involved in more than 20 projects world-wide.

Dr. Bahnfleth is a fellow of both ASHRAE and the American Society of Mechanical Engineers (ASME) and is also a member of the International Society for Indoor Air Quality and Climate (ISIAQ), the International Building Performance Simulation Association (IBPSA), Sigma Xi, the American Society for Engineering Education (ASEE), and the Society of Building Science Educators (SBSE). He has served ASHRAE in a variety of capacities, including Student Branch Advisor, Chapter Governor, Technical Committee and Standing Committee Chair, and as Director-at-Large, Vice President, Treasurer, and 2013-14 Society President. He is the recipient of a 1st place ASHRAE Technology Award, Transactions Paper Award, and Distinguished Service and Exceptional Service Awards.

## **TOPIC: The ASHRAE Building Energy Labeling Program**

GBCI Approved | 1 CE Hour | 0920002620

AIA Approved|1LU/HSW|BAHNFLETH01

Whether voluntary or mandatory, the rating of the energy use and indoor environmental quality of buildings is a growing trend worldwide. In 2009, ASHRAE introduced its own "Building Energy Quotient" (bEQ) labeling program for new and existing buildings and is now in the process of implementing it. It is a comprehensive and rigorous program comprising not only an energy use performance scale, but also tools and procedures for performing ratings and certifications for the qualified energy modelers and building assessors who will use them. This presentation provides an overview of the bEQ program, compares it to other building certification programs, identifies the benefits of certification, and summarize the current status of the bEQ program and plans for the future.

# President's Message

## A MESSAGE FROM THE PRESIDENT'S DESK

*Dear Members,*

*Welcome to February! I hope your new year has been treating you well! At this point I hope that everyone is shoveled out from Jonas and ready to come join us for a great presentation by another Distinguished Lecturer!*

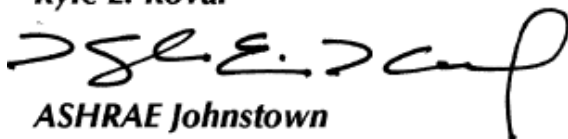
*We are happy to host Mr. William Bahnfleth for this month's joint meeting with PSPE. I encourage all of our members to attend, and generate a great showing for this distinguished guest. Please see his bio and topic information above for more information. In addition, our Technology Transfer Committee deserves your acknowledgement for their hard work putting together great meetings this and every month. The best way to show your appreciation is to come spend a little time with us!*

*Don't forget to check out the upcoming events in this newsletter and mark your calendar for future meetings.*

*Lastly, don't forget to check out our revamped website for all the latest news involving our chapter. Past Newsletters, Presentations, latest meeting information and much more is all posted there.*

*Thanks to all & see you at the meeting!*

*Kyle E. Koval*



*ASHRAE Johnstown  
Chapter President*

# ASHRAE 2016 Conference



St. Louis, MO  
June 25 – 29, 2016

## Certification



*ASHRAE has certified more than 2,000 professionals who have demonstrated their knowledge and expertise in the HVAC&R industry. Discover how you can gain a competitive edge by earning an ASHRAE certification.*

### Certifications

- BEAP** - Building Energy Assessment Professional Certification
- BEMP** - Building Energy Modeling Professional Certification
- CPMP** - Commissioning Process Management Professional Certification
- HFDP** - Healthcare Facility Design Professional Certification
- HBDP** - High-Performance Building Design Professional Certification
- OPMP** - Operations and Performance Management Professional Certification

### The Value of Certification

ASHRAE certification programs were founded to meet industry need as identified through market research and today provide value to many important stakeholders. Developed by subject matter experts, including those recruited from allied professional organizations, ASHRAE certification programs benchmark with the ANSI/ISO accreditation standards for personnel certification programs to help ensure quality. For the past 100+ years ASHRAE has worked hard to earn and maintain a worldwide reputation for being the leader in HVAC&R design. ASHRAE certification programs serve to reinforce that reputation.

### Value for Certification Earners

The decision to pursue a certification – on top of all of their other commitments - is not one lightly made by busy professionals, but the benefits of getting certified are many:

- Greater confidence in competence in critical job knowledge, skills and abilities
- Portable credential recognized and valued by employers
- Competitive edge and respect among peers, in the workplace and among potential clients
- Heightened job satisfaction

### Value for Building Owners

Building owners want to know who they should hire to design critical building systems that will impact occupant comfort, safety, efficiency and - ultimately – profitability. Hiring a firm that assigns an ASHRAE-certified professional to a project confers the following benefits:

- Increased confidence in critical job knowledge, skills and abilities
- Compliance with applicable local, state and federal requirements
- Confidence in corporate commitment to the professional development of its employees and to providing the best possible resources for projects
- Disciplinary process to follow in case of complaints

### Value for Employers

Hiring - and retaining - the right employees is an expensive proposition with many unknowns.

Taking ASHRAE certification into consideration during the process – and embracing it in the corporate culture - confers the following benefits to HR, the hiring manager and the employer:

- Recruit the most-qualified professionals
- Elevated reputation and credibility among current and potential customers
- Enhanced compliance with applicable local, state and federal requirements
- Greater job satisfaction and resulting lower turnover
- Provides clear, value-added professional development path

# Calendar of Events

## ASHRAE Chapter Programs Planner - 2015-2016

No.	Meeting Date	Theme / Events	Topic	Speaker	Location	Joint Meeting With
	September 18, 2015	Sporting Clay Event	Social Event		7 Springs Resort	-
1	October 13, 2015	YEA & MP Night Student Activities Night	Refrigeration Choices	Cory Eberhart	Boulevard Grill	-
2	November 18, 2015	ASPE Joint Meeting	Fuel Oil Pumping	Provided by ASPE	Rizzo's	ASPE
2a	November 30, 2015	Half Day Seminar	ABAA Presentation - Air Barrier Design	Laveme Dalglish	HF Lenz Co	-
3	December 8, 2015	Research Promotion Night	Flight 93 Tour	Flight 93 Tour	Flight 93	-
4	January 13, 2016	MP Night	Iso Room Design	Tim Earhart	Boulevard Grill	-
5	February 2016 TBD	Student Activities Night	bEq	William Bahnfleth	UPJ	PSPE
6	March 8, 2016	ASPE Joint Meeting	Monochloramine	Joe Hannigan	Boulevard Grill	ASPE
7	April 12, 2016	AIA Joint Meeting	TBD	TBD By AIA	Marzoni's	AIA
8	April 2016 TBD	WebCast	TBD	TBD Webcast	HF Lenz Co	-
9	May 10, 2016	TBD	Standard 189.1	Dru Crawley	Boulevard Grill	-
10	July 2016 TBD	Golf Outing	Social Event	Champion Lakes Golf Resort		-

# Chapter Contacts

## **President:**

Kyle Koval  
Kyle\_koval@yahoo.com

## **President - Elect:**

Kevin Walker  
kwalker@hflenz.com

## **Vice President:**

Cristian Harbaugh  
charbaugh@hflenz.com

## **Secretary:**

Justin Kalanish  
jkalanish@hflenz.com

## **Treasurer:**

Luke Shumaker  
lshumaker@hflenz.com

## **Government Activities**

Cory Eberhart  
Cory.eberhart@trane.com

## **Membership**

**Promotion:**  
Kevin Walker  
Kwalker@hflenz.com

## **Research Promotion:**

Amanda Cronauer  
acronauer@hflenz.com

## **Student Activities:**

Paul Petrilli  
ppetrilli@hflenz.com

## **Historian:**

John Weiland  
jweiland@hflenz.com

## **Chapter Technology Transfer**

Cristian Harbaugh  
charbaugh@hflenz.com

## **Newsletter Editor:**

David Anderson  
Danderson@hflenz.com

## **Web Master:**

David Anderson  
Danderson@hflenz.com

## **BOG:**

Tom Sobieski