



## Johnstown ASHRAE April 2016 Meeting

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- o Date: Tuesday, April 12, 2016
- o Location: Marzoni's Brick Oven & Brewing Company
  - o Duncansville – see website below for address
- o Joint Meeting with AIA
- o Speaker: Jim Gleba, P.E., LEED AP
- o Topic: Energy Reduction Strategies from a Healthcare and Higher Education Perspective
- o RSVP
- o by April 8, 2016 via ASHRAE Website Homepage
- o Cost: \$25 per Person
- o Time: 5-6 pm: Social Hour  
6-8:00 pm: Dinner/Presentation

\*New for 2016\*  
RSVP from our website

# Speaker Bio

Jim Gleba, P.E., LEED AP of Leach Wallace Associates will present a seminar on “Energy Reduction Strategies from a Healthcare and Higher Education Perspective”.

All business organizations and their facility personnel, are under constant pressure to conserve resources and provide physical support of the building environment. New codes, industry standards and energy reduction strategies all play an important role in the design and construction of our built environments. Leach Wallace Associates is pleased to present on these issues from a healthcare and higher education perspective with specific Learning Objectives as follows:

1. Discuss Energy Reduction Strategies and their Importance to Operating Budgets.
2. Review Current and Future Code Requirements - impact on existing and new buildings
3. Identify Impact of less efficient systems
4. Discuss new technology to consider for renovation or new projects.

The outline of the presentation would be similar to the following:

1. Discuss Energy Reduction Strategies and their Importance to Operating Budgets.
  - a) Cost of energy and importance of energy reduction strategies in facility operations
2. Review Current and Future Code Requirements - impact on existing and new buildings
  - a) Review of current, enforceable codes and acceptance of newer code cycles.
  - b) Industry Standards and the IECC 2015 Code
3. Identify Impact of less efficient systems
  - a) Cost/maintenance
  - b) Existing systems - ahu replacement does not require duct replacement from codes. Consider impact, differentiate between infrastructure as opposed to renovation/fit out
  - c) Replacement costs
  - d) Maintenance costs
  - e) Measurement and verification
  - f) Importance of Commissioning
  - g) Monitoring of operations and trend evaluation
  - h) Income generation regarding changing systems - what has to be earned to pay for upgrades?
4. Discuss new technology to consider for renovation or new projects.
  - a) Chilled beams
  - b) DOAS w FCU
  - c) Hybrid FPTU's
  - d) VAV

# President's Message

## A MESSAGE FROM THE PRESIDENT'S DESK

**Dear Members,**

**I want to thank you once again for joining us last month at the Boulevard for our joint meeting with ASPE. Attendance was up and we were glad to have had such a great response from our ASPE friends.**

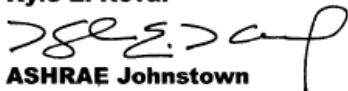
**April is a busy month for us as we have both our satellite broadcast and our monthly meeting. On April 12<sup>th</sup> we are meeting our AIA colleagues at Marzoni's in Altoona for a presentation on Energy Reduction Strategies from a Health Care and Higher Education Perspective by Jim Gleba. Also on April 21<sup>st</sup> please join us at the HF Lenz Company to view this year's satellite broadcast on commissioning.**

**As summer approaches, I hope that you all mark your calendars for our golf outing. We will again be playing Champion Lakes on July 14<sup>th</sup> and since this is one of our major fundraisers for the year, I hope you'll join us!**

**Lastly, this year's Chapter's Regional Conference will be held at the Philadelphia Chapter this August. I want you to seriously consider attending and if you have any questions, please feel free to contact any of the Chapter Officers listed at the end of this newsletter.**

**Thanks again for your continued support and see you soon.**

**Kyle E. Koval**



**ASHRAE Johnstown  
Chapter President**

# ASHRAE 2016 Conference



St. Louis, MO  
June 25 – 29, 2016

## ASHRAE Learning Institute 2016 Spring Online Course Series

### 2 WAYS TO REGISTER

Take 3 or more courses and save 15% off registration!

Internet: [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)

Phone: Call toll-free at 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

Price: **\$264** (\$219 ASHRAE Member); Two-part courses: **\$484** (\$359 ASHRAE Member)

Note: You may register up to 24 hours prior to an online course. Courses are in US Eastern Time.

**Combined Heat & Power: Creating Efficiency through Design & Operations**

Mon, March 28, 2016 – 1:00 pm to 4:00 pm EDT

**Commissioning Process & Standard 202**

Wed, March 30, 2016 – 1:00 pm to 4:00 pm, EDT

**IT Equipment Design Evolution & Data Center Operation Optimization**

Wed, April 6, 2016 – 1:00 pm to 4:00 pm, EDT

**Complying with Standard 90.1-2013: HVAC/Mechanical**

Wed, April 13, 2016 – 1:00 pm to 4:00 pm, EDT

**Laboratory Design: The Basics and Beyond**

Mon, April 18, 2016 – 1:00 pm to 4:00 pm, EDT

**Standard 188-2015 – Successfully Managing the Risk of Legionellosis**

Mon, April 25, 2016 – 1:00 pm to 4:00 pm, EDT

**Air-to-Air Energy Recovery Applications: Best Practices**

Wed, April 27, 2016 – 1:00 pm to 4:00 pm, EDT

**Fundamental Requirements of Standard 62.1-2013**

Mon, May 2, 2016 – 1:00 pm to 4:00 pm, EDT

**Variable Refrigerant Flow System Design & Applications**

Mon, May 16, 2016 – 1:00 pm to 4:00 pm, EST

**The following courses are comprised of two parts. Registrants must attend both parts in order to receive CEU/DPH credits.**

**Exceeding Standard 90.1-2013 to Meet LEED® Requirements**

Part 1: Mon, April 11, 2016 – 1:00 pm to 4:00 pm, EDT

Part 2: Wed, April 20, 2016 – 1:00 pm to 4:00 pm, EDT

**Operations & Maintenance of High-Performance Buildings**

Part 1: Tue, May 17, 2016 – 1:00 pm to 4:00 pm, EDT

Part 2: Wed, May 18, 2016 – 1:00 pm to 4:00 pm, EDT

## ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Cleveland • Halifax • Hong Kong • Kuala Lumpur

Miami • Minneapolis • San Francisco • Vancouver

**HVAC Design: Level I – Essentials** - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

**HVAC Design: Level II – Applications** - Registration is \$854 (\$699 ASHRAE Member)

*HVAC Design: Level II – Applications* provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit [www.ashrae.org/hvactraining](http://www.ashrae.org/hvactraining) to register.

## 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 Dagleish	HF Lenz Co	-
3	December 8, 2015	Research Promotion Night	Flight 93 Tour	Flight 93 Tour	Flight 93	-
4	January 13, 2016	MP Night	Optimal Air – a cool solution	Julian R. de Bullet	Boulevard Grill	-
5	February 18, 2016	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	Energy Reduction Strategies from a Healthcare and Higher Education Perspective	Jim Gleba By AIA	Marzoni's	AIA
8	April 21, 2016	WebCast	Making Net Zero Net Positive	TBD Webcast	HF Lenz Co	-
9	May 10, 2016	Standard 189.1	Standard 189.1	Dru Crawley	Boulevard Grill	-
10	July 2016 TBD	Golf Outing	Social Event	Champion Lakes Golf Resort		-

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