Johnstown ASHRAE February 2016 Meeting

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

*New for 2016*
Prepay and RSVP from our website

Find us on the web at www.johnstown.ashraechapters.org
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**

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.
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
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

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