



The PENNANT

Newsletter of the
ASHRAE® Central Pennsylvania Chapter

<http://www.cenpenn.ashraechapters.org/>



President's Message...

Dear ASHRAE Members:

As we wrap up the calendar year, many of us look to next year and make personal and professional goals or "new year's resolutions." Goal setting is an important part of our personal development. Goal setting is also important for organizational development. Your ASHRAE Chapter and leadership have specific goals for this year, and are working hard to achieve them. Another important aspect of personal development is networking and teamwork. Networking with your colleagues gives you options, opportunities, and perspectives that can be valuable to you and your career development. How do all these things (goal setting, personal and organizational development) come together? At monthly ASHRAE meetings! Your attendance at monthly meetings gives you the chance to grow with and through your colleagues. Your attendance also helps us to meet the specific goals we have as a chapter. Will you make attendance at ASHRAE meetings one of your new year's resolutions? You will only reap the benefits of ASHRAE of by investing yourself in the organization. Like all good investments strategies, the more you invest the higher your return. Make 2007 your year to invest yourself in ASHRAE.

Our first meeting in 2007 will be an engaging meeting. John Asbury, PhD from PSU will be teaching us about exciting new photovoltaic technologies. Although photovoltaic cells have been around for a while, new developments are bringing us closer to commercially viable solar power generation at a local level. Will your next home or office building have a photovoltaic roof? It just might. What will this mean for you? Come to the meeting and find out.

We wish to thank John Foss for his presentation on boiler technology on December 13th. We especially want to thank him for battling the airlines just to come to speak. His persistence and expertise were a benefit to all who attended. Thank you John!

Of course, I want to wish each of you blessings during the holidays. May you all have safety in your travels, peace in your homes, and joy in all your celebrations these next few weeks!

I hope to see you soon,

Jason T. Richwine, P.E.
President
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TECHNOLOGY PROMOTION NIGHT

Meeting Agenda

Joint Meeting with
Green Building Association of Central PA
and
Association of Energy Engineers

Wednesday, January 10, 2007

5:30 – 6:15 Social

6:15 – 6:45 Dinner – Catered Buffet

6:45 – 8:00 Cutting Edge of Photovoltaic Development by John Asbury, PHD, Penn State University

Main Program

During his presentation, John will be showing us examples of the photovoltaic technologies that are currently available for residential and commercial settings. This will include an overview of the strengths and weaknesses of a variety of existing solar cells with a corresponding view of their estimated price and value. He will cover the new types of solar cells with a brief look at the chemistry that goes on when they stop working and what he has been doing to learn how to advance them to realistic applications. He will also discuss the estimated time frame for the various technologies, their strengths and weaknesses, and offer new architectural designs that they may open up in years to come.

Biography

John Asbury has been studying the chemistry of emerging photovoltaic devices for the past decade to enable new technologies to compete in the energy market of tomorrow. He has studied technologies that break away from the traditional silicon based solar cells because these are prohibitively expensive. The variety of devices that he has examined includes solar cells made from titanium dioxide (the primary component of toothpaste and white paint base) and cells made from plastics that are similar to the toner in your laser printer. These new technologies offer affordable solar power for residential and commercial buildings, but they rely on materials that do not yet stand the test of time. John's research efforts have focused on studying the chemical changes that stop these new photovoltaic devices from delivering solar power. Once the chemistry is understood, his research will enable new materials to be developed that will last longer. As you will see, the new solar technologies will open many new possibilities for environmentally responsible buildings that combine energy efficiency and pleasing aesthetics.

Appalachian Brewing Company
50 N. Cameron Street, Harrisburg, PA 17101
Phone # 717-221-1080

Reservations: <mailto:Robert.Miller@mail.ashrae.org>

Deadline: Friday January 5th at 1:00 p.m. PLEASE!

Program Cost: \$ 30.00 Retired/Students: \$ 5.00

Note to all Chapter Officers and Committee Chairs: Chapter Officers, Board Members and Committee Chairs have standing reservations. If you do not RSVP by the deadline, you will be billed for the fun time you missed.

From Harrisburg

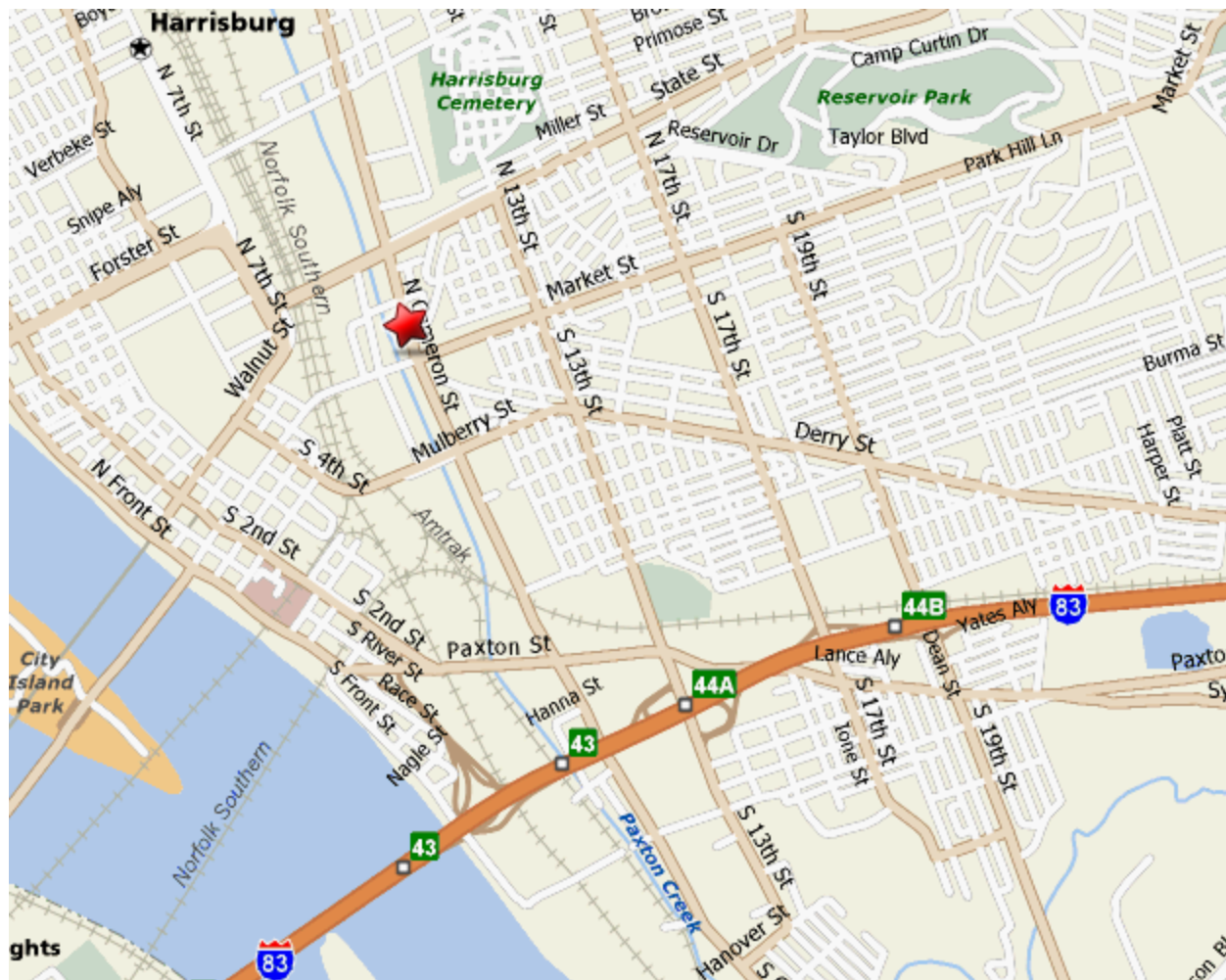
83 to exit 44 – 13th Street
13th Street North, Left on Paxton St.
Right on Cameron Street

From Lancaster:

283 West to 83
83 to exit 44 – 13th St.
13th Street North, Left on Paxton St.
Right on Cameron Street

From York:

83 to exit 44 – 13th Street
13th Street North, Left on Paxton St.
Right on Cameron Street



JOB POSTING



Eastern Air Balance Corporation an industry leader in testing, adjusting and balancing of HVAC Systems and Building Systems Commissioning is seeking qualified applicants to fill the position of Building Systems Commissioning Technician.

Qualified applicants should have a minimum of ten years of industry related experience including but not limited to HVAC and mechanical systems, direct digital controls, electrical and plumbing systems. An engineering degree is a plus. Applicants should have a thorough working knowledge of direct digital control systems and building automation systems and be able to utilize these systems to perform detailed testing procedures. Applicants should also be familiar with testing equipment and instrumentation.

Building Systems Commissioning Technician primary responsibilities include:

- Perform project site inspections to verify installation of equipment and systems in accordance with contract documents and industry standards and provide detailed written review reports.
- Witness and verify proper start up and check out of equipment and systems.
- Coordinate with HVAC, mechanical, ATC, electrical and plumbing contractors.
- Implement and perform detailed commissioning functional performance tests.
- Report on any system deficiencies and coordinate with responsible contractors to resolve deficiencies.
- Candidates must have excellent written and oral communication skills.
- Candidates should be proficient in MS Excel and Word.
- Candidates should be self motivated, have a positive attitude and strong work ethic.
- Candidates must clear PA Criminal History and Child Abuse checks for work in public schools.

Eastern Air Balance Corporation is an equal opportunity employer. Benefit package includes competitive salary, 401K plan, health, dental and optical insurance, paid vacation and holidays and company vehicle.

If interested please send resume along with salary requirements to:

Eastern Air Balance Corporation
76 Hershey Road
Elizabethtown, PA 17022
Attn: George Mills

Bulletin Board

ASHRAE Technical Committee Memberships

Congratulations to Gig Settle for joining the ASHRAE Technical Committee TC 9.8. This technical committee is concerned with the application of heating, ventilation, air conditioning, refrigeration, humidity control, and energy conservation systems to large buildings, such as assembly, natatoriums, warehouses, transportation centers, museums and libraries.

Thanks

Our chapter historians would like to give special thanks to Mr. George A. Keller of Keller Equipment Sales, Inc. for donating some space in their warehouse for the safe storage of Chapter and Region 3 historical documents. They have done this for the last three years and we appreciate this contribution to our Chapter.

***Put it in the Pennant -- Send your announcements to
brian.s.smith@jci.com***