

Delaware Air Currents

The Journal for the Delaware Chapter of the American Society of Heating Refrigeration and Air Conditioning Engineers

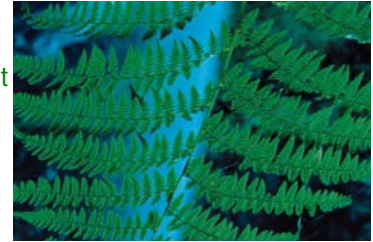
January 2010 Volume 1, Issue 5

HIGHLIGHTS

- December Meeting
- November Meeting
- Sustainable Energy Utility
- CRC Update
- Golf Outing
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ASHRAE Technology for a Better Environment



January Meeting

Date: **January 13, 2010**

Time: **5:30 pm to 7:30 pm**

Location: **Christiana Hilton**

Topic: **Next Generation of Engineers**

Presentation by: **David Meredith Pennsylvania State University**

Meeting Cost: **\$35.00/Person**

DINNER WILL BE PROVIDED

The number engineers graduating from the nation's colleges and universities are steadily decreasing.

As engineers at the end of their careers retire there will be a deficit of candidates to replace them. This will leave the nation at risk.

Come learn how you can help reverse this trend.



Come Learn How You Can Influence Today's Students to be the A&E professionals of Tommorrow

December Meeting

On December 9th Delaware ASHRAE held its fourth meeting of the 2009/2010 season with a presentation on the Delaware Sustainable Utility.

Ralph Nigro of Applied Energy Group conducted the meeting and provided all in attendance with critical insight on how they can fund energy efficiency and alternative energy projects.

Ralph's presentation taught us that the Delaware Sustainable Utility has a

variety of funding available to upgrade existing facilities and alternative energy sources.

Ralph explained that the Delaware Sustainable Energy Utility is a non-profit organization, that is self funded, that provides loans and grants for upgrades that reduces the facilities energy consumption.

Thank you Larry for an informative and entertaining presentation!

All members in attendance received their free copy of the 2009/2010 Delaware ASHRAE Product and Services Directory.

The 2009/2010 Product and Services Directory is provided free to all members who attend a Delaware ASHRAE monthly meeting or an event sponsored by Delaware ASHRAE.



Delaware ASHRAE hosted a seminar on Delaware Sustainable Utility.

Fill The Pipeline



You can influence today's youth to become tomorrow's engineering and architectural professionals

The year 2010 marks the first year that the baby boom generation will be eligible for retirement. Baby boomers make up the bulk of the American work force in many critical sectors of the economy including architecture and engineering. Since 1990 the number of students entering technical majors (Science, Medicine, Engineering, Architecture, Computers...etc) have steadily declined. In addition, only 44% of the students that graduate with a technical degree pursue careers in technical fields. Simply put we do not have enough young professionals entering the technical fields to replace the bulk of the current technical work force as they retire.

If current trends continue, we will be forced to import engineering and architectural services as well as research & development, education, healthcare and computer programming in order to cost effectively meet our nation's needs. This will ultimately increase our dependence on foreign sources for these critical services and thus increase the nation's trade deficit.

As architects, engineers and scientists we are in a unique position to mentor and motivate the current and next generation to choose careers in architecture, engineering, technology and the sciences. We should use our unique insight into our chosen profession to become advocates for our professions. Only we can educate the youth of today on how challenging and rewarding a career in architecture, engineering, sciences and technology is. We also know what motivated us to choose our careers and can use this to encourage others to walk in our footsteps.

As business owners we know that the life of our businesses depends on having an endless supply of well trained and motivated professionals to meet our client's needs. Thus, it is critical to our businesses that we keep the pipeline filled with eager young architects and engineers.

Please join us at the January ASHRAE meeting to see how you can influence our young people to become the engineering, architectural and technical professionals of tomorrow.

Links to Resources for Technical Education



Resources for Filling the Pipeline with Future Engineers

As a service to our members we will provide links to ASHRAE articles on the topic discussed in our meetings.

The following are informative articles the needs to convince students to choose a career in science and engineering:

<http://www.chemicalprocessengineering.com/articles/2009/015.html>

<http://thejournal.com/articles/2009/08/20/turning-skeptical-students-into-science-achievers.aspx>

http://sciencecareers.sciencemag.org/career_magazine/previous_issues/articles/2004_05_07/noDOI.15132993382569278444

<http://www.iwitts.com/html/017anderson.pdf>

<http://www.ucc.ie/academic/undersci/editorials/July07-Science-and-Young-People.doc>

http://www.virginia.edu/uva_today/newsRelease.php?id=1514

<http://www.nae.edu/Publications/TheBridge/16145/16221.aspx>

Attendees at October Meeting

We like to thank the following members for attending the December Meeting:

Larry Hughes ([Alpha Engineering](#))
 Judy Hughes ([Alpha Engineering](#))
 John Davis ([BE&K](#))
 Jim Kozur ([BE&K](#))
 Toby Pierce ([DEDC](#))
 Brandon Yerger ([DEDC](#))
 Pam Dennis ([Mahaffy](#))
 Scott Parlow ([Mahaffy](#))
 Davidge Warfield ([RSI](#))
 Frank Bramante ([Univ. of DE](#))
 Penny Pearson ([Univ. of DE](#))
 Don Shedrick ([DuPont](#))

Dave Hoffman ([Gipe](#))
 Dan Booze ([Gipe](#))
 Adam Keegan ([Gipe](#))
 Dave Mitchell ([Mitchell Energy Management](#))
 Herb Duffield
 John Edwards ([Willard/Limbaugh](#))
 John Sobieski ([Sobieski](#))
 Chris Wilson ([Sobieski](#))
 Frank McFadden ([CM3](#))
 Bob Currie ([Tri-M](#))
 Rob Koenig ([Tri-M](#))
 Ray Lyons ([Nova Consultants](#))
 Bob Schunke ([Bitzer](#))
 Mark Stutman ([Camfil Farr](#))
 Greg Munters ([Coward](#))
 Adam Bechert ([Sieberlich](#))
 Bill Buchanan ([Sieberlich](#))

Pamela Kinley ([Sieberlich](#))
 Bill Kelly ([Sieberlich](#))
 Doug Edwards ([Sieberlich](#))



The December Chapter Meeting was attended to Overflow Capacity

2010 Chapters Regional Conference Updates



2010 Chapters Regional Conference will be hosted by Delaware in August – We are actively seeking volunteers

The Delaware ASHRAE Chapter is proud to be hosting the upcoming 2010 Chapters Regional Conference for Region III (the Mid-Atlantic Region).

The conference will be August 12-14th, 2010 at the Christiana Hilton hotel and conference center.

We are working to secure speakers for our technical sessions.

Anyone interested in volunteering to speak at the CRC technical sessions or knows of someone interested in speaking at our tech sessions should contact John Davis at:

John.Davis3@kbr.com

We need Volunteers

Our chapter's preparation for CRC 2010 is being led by Judy and Larry Hughes of Alpha

Engineering, who are serving as the co-chairs for the event. However, preparation for a conference such as this is time-consuming and detailed. We are all pitching in to help them but would greatly appreciate any additional support. *If you are interested in pitching in, please reach out to Judy and Larry at 302-834-3344.* We appreciate your support in advance!

2010 Delaware ASHRAE Golf Outing



Start Practicing for the 2010 Delaware ASHRAE Golf Outing

The Date of the 2010 Delaware ASHRAE Golf Outing has been set for April 26, 2009.

The Golf Outing will once again be held at the DuPont Country Club.

New to the 2010 Golf Outing is the addition of a box lunch for all golfers.

Prizes will be awarded to the first place team, second place team, longest drive and straightest drive.

We look forward to seeing everyone at this year's golf outing.

For more information on the 2010 golf outing or to volunteer for golf outing related activities, please contact Bob Schunke.

Bob Schunke can be contacted at bschunke@rdbitzer.com



2010 Delaware ASHRAE Golf Outing to be held on April 26th

Got Something to Say?



Delaware ASHRAE wants to hear from you

Have you recently completed a LEED or Energy Star certified project?

Has an employee or your firm reached a significant milestone?

Was your firm awarded a significant project?

Is your firm looking to hire and would like to target HVAC professionals in the area?

Are you launching a marketing program for a new product?

Do you have expertise or an experience that you wish to share with the HVAC community?

Delaware Air Currents is an excellent opportunity to reach professionals and decision makers in the Delaware Market Place.

Material can include letters to the editor, classified ads, Member news, upcoming events, Comments on chapter programs or issues, etc. Feel free to send content to John Davis at

John.Davis3@kbr.com or call at 302-668-6378

Content Publication

Any Member who wishes to submit content in Delaware Air Currents can submit it to:

Newsletter Editor:
John Davis
mail: John.Davis3@KBR.com
(O) 302-452-9343
(C) 302-668-6378

Any Member who wishes to submit web content can submit to

Website Editor:
Doug Edwards
E-mail: doug.edwards@seiberlich.com
(O) 302-395-0200
(C) 302-668-4441

We're on the Web!
For more, see
<http://delaware.ashraechapters.org/>

Delaware ASHRAE Board:

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CM3 Inc.

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Mahaffy Associates

email:
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Board of Governors:

George Wells
Agape Engineering

George Sestak
AstraZeneca
Pharmaceuticals

Bob Shunke
R.D. Bitzer

Delaware ASHRAE Chairs:

Research Promotion:
Doug Edwards
Sieberlich Trane

Chapter Technology Transfer:
Toby Pierce
Delaware Engineering & Design

Delaware ASHRAE Chairs Cont'd:

Membership Promotion:
Greg Munters
Coward Environmental

Student Activities:
Mike Hecker
Brian Zigmud
Studio Jade

Chapter Historian:
George Wells
Agape Engineering

Golf Outing:
Bob Schunke
Frank McFadden

ASHRAE Directory:
Adam Bechert
Sieberlich Trane

CRC Co-Chairs:
Judy & Larry Hughes
Alpha Engineering

2009/2010 ASHRAE Delaware Chapter Board

2009/2010 Calendar of Events



ASHRAE Technology for
a Better Environment

Keep your calendars open for the following upcoming Delaware ASHRAE events:

Event:	Date:	Time	Location:
Board Meeting	Sept 2	12:00pm	Sieberlich Trane
Monthly Meeting	Sept 9	5:30pm	Astra Zeneca
Topic: LEED Certification of Laboratory Building			
Board Meeting	Oct 7	12:00pm	Sieberlich Trane
Monthly Meeting	Oct 14	5:30pm	Christiana Hilton
Topic: Geothermal Heat Pump Systems			
Job Fair	Postponed	Postponed	University of Delaware
Board Meeting	Nov 4	12:00pm	Sieberlich Trane
Monthly Meeting	Nov 11	5:30pm	Christiana Hilton
Topic: Clarifying Clean Rooms Possible Joint Meeting with International Society of Pharmaceutical Engineers			
Board Meeting	Dec 2	12:00pm	Sieberlich Trane
Monthly Meeting	Dec 9	5:30pm	Christiana Hilton
Topic: Sustainable Utility Joint Meeting with American Society of Professional Estimators			
Board Meeting	Jan 6	12:00pm	Sieberlich Trane
Monthly Meeting	Jan 13	5:30pm	Christiana Hilton
Topic: Tomorrow's Engineers			
Board Meeting	Feb 3	12:00pm	Sieberlich Trane
Monthly Meeting	Feb 10	5:30pm	Christiana Hilton
Topic: "Green Awakenings" Determining Your Carbon Footprint			
Board Meeting	Mar 3	12:00pm	Sieberlich Trane
Monthly Meeting	Mar 10	5:30pm	Christiana Hilton
Topic: Building Forensics			
Board Meeting	Apr 7	12:00pm	Sieberlich Trane
Monthly Meeting	Apr 14	5:30pm	Christiana Hilton
Topic: Green Maintenance Joint Meeting with International Facilities Management Association			
Golf Outing	Apr 26	TBD	Dupont Country Club
Board Meeting	May 5	12:00pm	Sieberlich Trane
Monthly Meeting	May 12	5:30pm	Christiana Hilton
Topic: Variable Refrigerant Systems			

We're on the Web!
For more, see
<http://delaware.ashraechapters.org/>