

Capitalaire

The National Capital Chapter of ASHRAE

Monthly Newsletter



Making Connections



President's Corner

I want to take this opportunity to wish all our NCC members a happy and healthy new year! I hope your holiday was relaxing and filled with memories to cherish with family and friends. I would like to extend a warm thank you to our December meeting PES speakers Rick Lawlor, Don Posson and Saul Kinter who discussed wastewater heat recovery and our dinner meeting speaker Jonathan Garrick who spoke about rain water retention and reuse, specifically for cooling tower makeup.

We have a great second half of the year planned! The Winter Party planning committee is in the process of planning the 9th Annual Winter Party on Saturday, January 16th at a new venue, the National Press Club in Washington, DC. We still have several sponsorship opportunities available. For more information, please contact Erin Miller, ecmiller@southlandind.com.

Approaching quickly, January 23-27, is the ASHRAE 2016 Winter Conference and joint AHRI Expo in Orlando, FL. I encourage you to make your final reservations if you plan to attend the conference. The conference will include technical programs and seminars, as well as many ASHRAE Society committee meetings. The Region III dinner will be on Monday, January 25th. Please see the flyer included in the newsletter for registration information.

Don't forget to bookmark the February chapter meeting on Wednesday, February 3rd. Jeremy Linden will speak on Sustainability, Humidity Control, and Cultural Institutions – Developments in Research into Preservation Environments and Roger Chang will present a Humidification Case Study.

Please save the date, Saturday, February 27, 2016 for the annual Discover Engineering Family Day, at the National Building Museum in Washington, DC. This great community outreach event inspires students to study engineering and includes lots of hands-on activities. We will again host an ASHRAE-NCC table this year and we will be looking for many volunteers, (engineers and non-engineers welcome). Please keep an eye out for emails from our Student Activities Committee on volunteer activities. Our chapter has been participating in this wonderful event since 2003! <http://www.engineeringfamilyday.org>
Thank you for your support of our chapter activities!

Best Regards,



Laura Petrillo-Groh
President – National Capital Chapter 2015 - 2016

2015 - 2016 National Capital Chapter of ASHRAE

Officers

President	Laura Petrillo-Groh	703-600-0335	President@nccashrae.org
President-Elect	Omar Hawit	202-296-4344	President-elect@nccashrae.org
Vice President	Jeffrey Colby	703-652-2337	Vice-President@nccashrae.org
Treasurer	Morgan Stevens	703-655-5084	Treasurer@nccashrae.org
Secretary	Alec Petrillo-Groh	202-974-0869	Secretary@nccashrae.org

Board of Governors

Sr. Governor	Andrew Rhodes	571-233-6346	Senior_Governor@nccashrae.org
Governor #1	Stephen Niez	703-399-3959	Governor1@nccashrae.org
Governor #2	Amy Boyce	202-552-1367	Governor2@nccashrae.org
Governor #3	Ryan Westlund	703-777-5255	Governor3@nccashrae.org
Governor #4	Nick Barrett	443-561-1662	Governor4@nccashrae.org

Committee/Sub-Committee Chairs

CTTC	Jeffrey Colby	703-652-2337	CTTC@nccashrae.org
Research Promotion	Bryan Oliva	571-527-1486	ResearchPromotion@nccashrae.org
Student Activities	David Yankovich	610-739-2981	
	Mikelann Scerbo	347-733-7553	StudentActivites@nccashrae.org
	Michael Spencer	703-635-6385	
Finance	Jeffrey Colby	703-652-2337	Finance@nccashrae.org
Membership	Ryan Westlund	703-777-5255	Membership@nccashrae.org
	Michael Morder	703-834-5570	Membership@nccashrae.org
Reception	Erin Miller	703-834-5570	Reception@nccashrae.org
	Lauren Zelinski	703-600-0389	Reception@nccashrae.org
Programs	Nick Barrett	443-561-1662	Programs@nccashrae.org
	Michael Hoffacker	703-682-6116	
Newsletter	Jonathan Rumbaugh	703-682-9094	Governor3@nccashrae.org
Website	Lauren Zelinski	703-600-0389	website@nccashrae.org
Directory	Alec Petrillo-Groh	703-682-4900	Directory@nccashrae.org
	Michael Hoffacker	703-682-6116	
Golf Outing	Andy Tech	703-834-2412	GolfOuting@nccashrae.org
Technology Awards	Patti Gunderson	202-974-4598	TEGA@nccashrae.org
Winter Party Chair	Erin Miller	703-834-5570	WinterParty@nccashrae.org
	Amy Boyce	202-552-1367	
Young Engineers in ASHRAE (YEA)	Jonathan Rumbaugh	703-682-9094	YEA@nccashrae.org
	Dan McGee	202-974-0882	YEA@nccashrae.org
Sustainability	Amy Boyce	202-552-1367	Sustainability@nccashrae.org
Historian	Dan McGee	202-974-0882	Historian@nccashrae.org
Honors & Awards	Andrew Rhodes	571-233-6346	HonorsandAwards@nccashrae.org
C.K. Memorial Scholarship	TBD	-	CK_MScholarship@nccashrae.org
Refrigeration	Alec Petrillo-Groh	703-682-4900	Directory@nccashrae.org
Government Activities	Kinga Porst	202-570-1198	GovernmentActivities@nccashrae.org
	Roger Chang	202-296-4344	
Women in Engineering	Israa Ajam	202-573-3041	
Women in Engineering	Laura Morder	703-243-1200	

Capitalaire is the publication of the National Capital Chapter of ASHRAE. Capitalaire welcomes input and intellectual contributions from its readers. Please send all communications to Jonathan Rumbaugh.

Tel: 703.682.9094 Email: Capitalaire@nccashrae.org

Student Activities

Opportunities to Get Involved in Student Activities

What better way to start the year than to share your love of engineering with students! We will be demonstrating the basics of acoustics and insulating sound with a Girl Scout Cadette Troop using shoe boxes, egg crates, cotton balls, and a handy decibel meter:

What: Activity with Girl Scout Cadettes: basic acoustics demonstration

Where: Peoples Congregational Church, 4704 13th St NW, Washington, DC 20011
(Metro: Green Line Georgia Ave/Petworth OR Buses: S2, S4, 52, 53, 54)

When: Saturday, January 9, 2016 from 1:30 p.m. to 2:30 p.m.

Keep in mind Discover Engineering Family Day (DEFD) is upcoming in February!

What: Hundreds of kids will attend our booth all day. This year our main activity will be demonstrating momentum with balloon rockets!

Where: National Building Museum, 401 F St NW, Washington, DC 20001

When: Saturday, February 27, 2016 from 10:00 a.m. to 4:30 p.m.

Membership Promotion

ASHRAE Membership Promotion and the Board of Governors would like to welcome our newest NCC Members, including:

Mr. Charles Adams
Mr. Nathan Smith
Mr. Mauricio Rodriguez
Mr. Marcos Vargas
Ms. Caitlin Hanzel



Sponsorship Opportunities Available:

\$1800/ 10 tickets

\$2650/ 15 tickets

\$3400/ 20 tickets

For more information, contact

Frin Miller

ecmiller@southlandind.com

Presents...

The 2016 Annual Winter Party

January 16, 2016

National Press Club, 529 14th Street NW





ASHRAE's Chapter Technology Transfer Committee will present a **FREE** Webcast, "Making Net Zero Net Positive: Solving the Efficiency & Cost Paradox," on **Thursday, April 21, 2016**.

For those unable to participate in the live Webcast, the program will be available On Demand online until **May 6, 2016**. Registration will be required to view the On Demand program.

Please promote the Webcast and host it as a Chapter activity.

Chapters that host the Webcast will earn 100 Presidential Award of Excellence (PAOE) points.

Below are several tips to assist you with hosting the webcast:

- **Secure a viewing location** with a PC, video projector, and a screen.
- **Promote the webcast program.** Distribute the enclosed guides at your next Chapter meeting and use the **Media Kit** at www.ashrae.org/webcast to notify Chapter Members and colleagues about the Webcast via your Chapter newsletter, webpage, and email.
- **Register your site.** Online registration begins **March 21, 2016** at www.ashrae.org/webcast. Only one registration per site is needed. The site coordinator's registration will cover all participants at the site.
- **Test your equipment.** When you complete registration, you will be given a link to test your system.
- **Use a sign-up sheet or email RSVP** to maintain an accurate headcount of participants at your site.
- **Remind attendees to complete the online Participant Reaction Form.** Attendees who complete the Participant Reaction Form by May 6, 2016 may be awarded three (3) Professional Development Hours (PDHs). The webcast program has also been approved for three (3) AIA HSW Learning Units (LU/HSW) and three (3) GBCI Continuing Education Hours (CEs). —

To add a registration reminder to your Outlook and find additional information regarding the program and presenters, visit www.ashrae.org/webcast.

If you have any questions or need assistance, please call (678) 539-1200 or email ashrae-webcast@ashrae.org.

Thank you for your continued support of the ASHRAE Webcast program!



ASHRAE Learning Institute

Seminars & Courses at ASHRAE's Winter Conference in Orlando, FL

2 WAYS TO REGISTER

Internet: www.ashrae.org/orlandocourses

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

Full-Day Professional Development Seminars

\$485/\$395 ASHRAE Member -- Earn 6 PDHs/AIA LUs or .6 CEUs

Commercial Building Energy Audits

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Energy Modeling Best Practices and Applications

Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

Commissioning Process in New & Existing Buildings

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Operations & Maintenance of High-Performance Buildings

Tuesday, January 26, 2016 – 9:00 a.m. to 4:00 p.m.

Designing HVAC Systems to Control Noise & Vibrations

Saturday, January 23, 2016 – 8:00 a.m. to 3:00 p.m.

Half-Day Short Courses

\$159/\$119 ASHRAE Member -- Earn 3 PDHs/AIA LUs or .3 CEUs

Laboratory Design: The Basics and Beyond

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Advoiding IAQ Problems

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Troubleshooting Humidity Control Problems

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Commissioning Process & ASHRAE Standard 202

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Understanding & Designing Dedicated Outdoor Air Systems

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Complying with Standard 90.1-2013: HVAC/Mechanical

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Variable Refrigerant Flow System Design & Applications **NEW!**

Sunday, January 24, 2016 – 3:30 p.m. to 6:30 p.m.

Evaluation and Control of Legionella in Building Water Systems **NEW!**

Monday, January 25, 2016 – 2:45 p.m. to 5:45 p.m.

Air-to-Air Energy Recovery Applications: Best Practices

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Exceeding Standard 90.1-2013 to Meet LEED Requirements

Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

Applications of Standard 62.1-2013

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

IT Equipment Design Evolution & Data Center Operation Optimization

Monday, January 26, 2016 – 9:00 a.m. to 12:00 p.m.

Building Demand Response & the Coming Smart Grid

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

Designing High-Performance Healthcare HVAC

Monday, January 26, 2016 – 1:00 p.m. to 4:00 p.m.

Energy Management Best Practices

Monday, January 25, 2016 – 8:30 a.m. to 11:30 a.m.

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Halifax • Hong Kong • Houston • 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 to register.



2015-2016 Meeting Schedule

Dates	Theme	PES Program	Dinner Program	Location
Wednesday Sept. 9 th	Awards	Ice Thermal Storage	Solar Thermal	Hilton Arlington
Wednesday Oct. 7	Membership/WiE	Basics of Engineering	Ethics	Hilton Arlington
Thursday Nov. 12		MCA Trade Show		Bethesda North Marriott
Wednesday Dec. 16	Research Promotion/ ASPE	Waste Water Heat Recovery	Rainwater harvesting – treatment for CT makeup	Hilton Arlington
January 16	Holiday Party	Holiday Party		National Press Club
Wednesday Feb. 3	Past Presidents and YEA	Humidification – Focus on Museums / Psychrometrics	Humidification Case Study	Hilton Arlington
Wednesday Mar. 16	Research Promotion	DOAS	Advanced Energy Design Guide	Hilton Arlington
Wednesday April 13	Students/ Membership/ Sustainability	Cogen	Refrigerants	Hilton Arlington
May TBD	Tour	Building Tour		TBD