ASHRAE Philadelphia Chapter

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QUAKER CITY CLIMATE

Tuesday, January 26, 2021
12:00 Noon to 1:30 PM
Virtual Meeting

"Buildings Are Our Best Medicine"

Presented By:
Dr. Stephanie H. Taylor MD, M Architecture, CIC, FRSPH(UK)

This is a joint meeting with the New Jersey Chapter.

See page 3 for more information.

There is no charge for this session,
However, you must register in advance to receive
the login information.

Click here to register.

A Virtual Women in ASHRAE Event on
Diversity & Inclusion in the MEP Industry
Thursday, January 21, 2021
2:00 pm - 4:00 pm

Presented by DesignForce

See page 4 for more information.

Click here to register.

2020-2021

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Tyler Holland

Young Engineers in ASHRAE
Tyler Holland

PRESIDENT'S MESSAGE

Fellow Chapter Members –

Since mid-September when we launched, we have had over 1,000 visits to the Digital Directory. This is great news and we hope the majority of the experiences with the Digital Directory have been positive. Since we haven't been able to meet in person, it has been more difficult to get user feedback as well as promote the directory to advertisers. At this point in the life of the directory, we are asking for your support in the following ways:

- Please provide any feedback, positive or negative, to c021@ashrae.net.
- If you are a vendor, manufacturer's representative or distributor – please ensure your ad is paid for and that the content of your ad is up to date. Reach out if you need any assistance.
- If you are using the directory and looking for a product or company that you can't find, it likely means that company hasn't made payment to keep their ad active – please reach out to them and let them know so that they can correct the situation so you and others can find their information.

As a reminder, the link to the Directory is https://directory.ashraephilly.org/

Regarding chapter programs, last month Thomas Durkin, P.E. provided interesting insights into humidity control. We had a good turn out and it was another successful joint meeting with the New Jersey Chapter.

For January, we will be offering two events. The first event will on January 21st and will be a Diversity in ASHRAE event focused on Diversity and Inclusion in the MEP Industry. This will be a joint event with the National Capital (Washington, DC) Chapter. The second event will be on January 26th and will be another Distinguished Lecturer talk with Stephanie Taylor, MD, MArch who is the President and Founder of Building 4 Health, Inc.; CEO of Taylor Healthcare Consulting, Inc.; and a member of the ASHRE Epidemic Task Force. This will also be a joint event with the New Jersey Chapter. A can't miss event.

As we look ahead, we are planning a talk with professors Forrest Meggers and Dorit Aviv showcasing their CHAOS (COOLING AND HEATING FOR ARCHITECTURALLY OPTIMIZED SYSTEMS) research. This is the event that was originally scheduled for last March but had to be rescheduled.

Hoping to see you online at one of the upcoming events and in person in the not too distant future. Stay safe!

Tim Reinking
Philadelphia Chapter President
c021@ashrae.net

Tuesday, January 26, 2021
12:00 Noon to 1:30 PM
Virtual Meeting

"Buildings Are Our Best Medicine"

Presented By:
Dr. Stephanie H. Taylor MD, M Architecture, CIC, FRSPH(UK)

There is no charge for this session,
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Click here to register.

Abstract

We are currently living with tremendous uncertainty brought about by mutated strains of a Coronavirus. Many unanswered questions about COVID-19 disease transmission, mortality rates and our own immune response have resulted in fear, confusion and a sense of helplessness in many of us. Thankfully, we have a solid foundation of scientific data from studies in microbiology, medicine and the indoor environment that can guide our management of buildings so that they are true shelters.

Dr. Taylor will present studies on building interventions that optimize the health of human occupants and decrease the threat of microbial pathogens such as COVID-19. Communication between medical and building professionals, such as in this webinar, along with your input will help us fight back and regain our footing. Attend this webinar to learn about the power of the indoor environment to keep us safe and healthy during COVID-19 and beyond.

Meet the Presenter

Dr. Stephanie Taylor, a graduate from Harvard Medical School, became alarmed about the possible role of the hospital building in new infections that her oncology patients were getting.

Realizing that she knew nothing about the design and management of buildings and mechanical systems, she eventually returned to school to obtain her master's degree in Architecture and Engineering.



Dr. Taylor, the CEO of Taylor Healthcare Consulting and President of Building**4**Health, Inc. now works as an international consultant and research leader to better understand how the design and operation all building types impact occupant health.

She is a Distinguished Lecturer for ASHRAE and a member of the ASHRAE Environmental Health Committee and the Epidemic Task Force. She writes a monthly column for Engineered Systems magazine and has published in Nature, Science and other peer reviewed medical journals. She received the, "Women to Watch in the HVAC Industry" award in 2019.

Dr. Taylor lives in Vermont with her husband and seven dogs. When she is not working, she loves to skydive with her son, play with her dogs and take things apart.

A Virtual Women in ASHRAE Event on Diversity & Inclusion in the MEP Industry

Thursday, January 21, 2021

2:00 pm - 4:00 pm

Presented by DesignForce

Learn from industry career experts about the state of diversity and inclusion in the A/E/C industry, the many psychologies that drives our biases, and what measures we can take to help build a more inclusive work environment!

DesignForce is a people and impact-driven management consulting firm servicing the AEC industry.

To learn more about DesignForce's services, click here.

The webinar link will be sent to registrants prior to the event.

Click here to register.

ASHRAE VIRTUAL WINTER CONFERENCE

February 9-11, 2021

The 2021 ASHRAE Winter Virtual Conference will take place in a convenient, online format on February 9-11, and will include a mixture of live, pre-recorded and on-demand sessions. Additional details about the conference and committee meetings will be available in the coming weeks.

The 2021 AHR Expo originally scheduled to be held January 25-27, 2021 at McCormick Place in Chicago has been cancelled.

Click here for the latest information.

PHILADELPHIA CHAPTER PROGRAMS CALENDAR 2020-2021



ASHRAE Philadelphia Chapter Digital Directory

Our 2020-2021 Chapter Digital Directory is now available.

This digital version is replacing the paper versions from years past. This provides flexibility during these challenging times, having access anywhere. It's easy to use, highly interactive, and always up to date. We hope you enjoy this refreshed publication.

The link to the directory is on our home page on the website, or you may click here to advertise or purchase access to the directory!

Invest in ASHRAE and Help Shape our Future - Give to ASHRAE RP Today!

ASHRAE's Research Promotion Campaign generates funds to support ASHRAE research, YEA, Education (ALI), Endowed Research through ASHRAE Foundation, YEA Programs, Scholarships, and the General Fund. Research, the backbone of ASHRAE, remains the primary fund of the program with over $2 million raised for this program annually.

All contributions received by ASHRAE significantly assist in ensuring that the Society continues to have the resources needed to sustain and expand its work. ASHRAE is very thankful for the support of all our donors and will strive to utilize all resources to better serve our members, the HVAC&R industry and society!

Click here if you would like to support ASHRAE's mission, programs, and member services with a gift through the RP Campaign.

If you have any questions, please contact the Philadelphia Chapter's Research Promotion Chair, Gary Debes, at c021rp@ashrae.net.

Thank you for your support!

CTTC Article

What are bearing currents, why do they cause premature motor bearing failure, and how can you protect against them? To answer these questions……..read more here:

https://greenheck-cms-prod.azureedge.net/atg-cms-prod/docs/default-source/pdf-downloads/application-articles/fa117-03.pdf?sfvrsn=18209842_13

Philadelphia Future City Competition

The Philadelphia Future City Competition will be virtual on January 30, 2021.

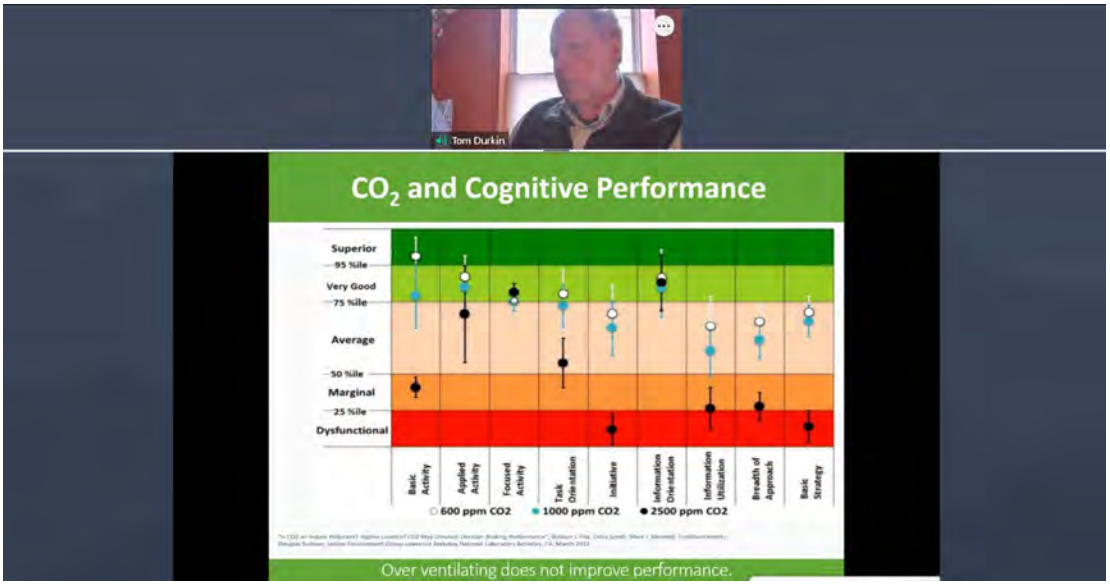
The 2020—2021 Future City Theme is ***Living on the Moon***.

At night, surrounded by stars or clouds, the Moon looks distant and lifeless. However, it holds a place of unique beauty and dominance in the sky and has been inspiring humanity for eons. Dreamers of all kinds—artists, science fiction writers, scientists, engineers—have imagined a thriving city on the Moon, one with healthy people and a resourceful, sustainable ecosystem. New ideas are constantly being dreamed up and tested.

The Competition Challenge:
Design a future lunar city and provide examples of how your city uses two Moon resources to keep your citizens safe and healthy.

Future City will need many volunteers to mentor the schools (engineers preferred), judge and to keep things moving smoothly on Competition Day. New this year will be the need for Zoom Hosts (experience not required) and Zoom Experts. Please consider signing up at https://futurecityphilly.org/

Questions? Contact the Regional Coordinator, Jennifer Wetzel: coordinator@futurecityphilly.org or (215) 573-3935.



December Meeting Screenshot

"Humidity Control with and without Reheat"

Presented By:
Thomas Durkin, P.E.

The Philadelphia Chapter
of the
American Society of Heating,
Refrigerating and Air
Conditioning Engineers, Inc.

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www.ashraephilly.org

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Hope Silverman
P 610-971-2169
hope@mmco1.com

Material can include letters to the editor, member news, upcoming events, comments on chapter programs or issues, etc.

New Philadelphia Chapter Members

Student Member:
Shashata Das
Thomas Stief
Jeffrey Kidd
Daniel Inglis

New Members:
Anthony Parker Jr
Hilary Schmidt
Donald Dermond
Russell Voigt
Christopher Keenan
Anthony DeMarte
Diane McArdle
Christina Alleva
Adrian Saeland
James Young

What are the benefits of paying Philadelphia Chapter dues* ?

Discounts:

$200 Discount for Basic Class
$150 Discount for 90.1 Seminar
Free access to the Digital Directory
And much more!

* Note that Philadelphia Chapter Membership Dues are $35/year.

To receive discounts, please remit you Chapter dues when renewing online or applying for a new membership. Feel free to upgrade online by clicking here or contact c021@ashrae.net for assistance.

Membership Advancement

If you are currently an ASHRAE Associate Member, becoming a full Member is easier than you think! The following count toward the required **12 points** to advance to full membership status. You must update your ASHRAE online biography and send an email to membership@ashrae.org to advance.

Non-accredited degree = 4 points
PE = 4 points
Accredited degree = 6 points
Industry experience = 1 point/year