February Meeting
February 19, 2019

TOUR / PRESENTATION:
Binghamton University School of Pharmacy & Pharmaceutical Sciences

TOUR GUIDE / PRESENTER:
Michael Eckhardt, PE - McFarland Johnson
Jason Gilbert, PE - Binghamton University

To register, visit the Chapter website:
http://twintiers.ashraechapters.org

Please send all newsletter comments to:
Andrew Nice, Editor
c/o Meier Supply Co.
275 Broome Corporate Parkway
Conklin, NY 13748
Email the Editor

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Dear Twin Tiers Chapter Members,

With spring quickly approaching (hopefully!), I would like to send out a couple reminders to the chapter. First off, our Spring Symposium will be on April 16th at the Holiday Inn Arena Hotel in downtown Binghamton. Thank you to Devin Shapley who has been organizing this event and booking the speakers. Also, the year-end golf outing and clam bake are not too far away. Please let Travis Fisher or I know if you are interested in donating door prizes or being involved in organizing.

Speaking of needing some help, the chapter will be participating in the local Canstruction Event for the 2nd consecutive year. The 2019 edition will be held on March 17-24 at the Oakdale Mall. 100% of monetary and food donations from the event will go towards the Food Bank of the Southern Tier and CHOW’s hunger-relief work in Broome County. ASHRAE Region 1 was kind enough to donate $500 towards the purchase of can goods and materials, however we are still looking for volunteers to help design and construct the structure.

Another big ‘Thank you’ is owed to Petros Papathomopoulos. He has taken over as website editor this year after Mike Colwell’s many dedicated years of service. Petros has taken the initiative to update the website and if you have had the chance to navigate to it, you know what a great job he has done. As Mike knows, running the website is a thankless job and the chapter appreciates both of their work in keeping it going.

Lastly, chapter member Eric LePore has received a first place ASHRAE Technology Award. The award recognizes outstanding achievements by ASHRAE members who have successfully applied innovative building designs. Their designs incorporate ASHRAE standards for effective energy management and indoor air quality and serve to communicate innovative systems design. Winning projects are selected from entries earning regional awards. The award is for the design of the Koffman Southern Tier Incubator in Binghamton, N.Y. Eric will be presented with a plaque at an upcoming chapter meeting.

Thanks,
Mike McGinnis
Twin Tiers Chapter President
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter

Presidential Award of Excellence (PAOE)

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<th>Membership Promotion</th>
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<td>785</td>
<td>875</td>
<td>700</td>
<td>50</td>
</tr>
</tbody>
</table>

POINTS CURRENT AS OF 2/12/2019

Chapter Committee Chairs

**Technology Transfer**
Kyle Nedlik  
(607) 321-6100  
[Email Me!]

**Government Activities**
Adam Keller  
(315) 487-8791  
[Email Me!]

**Refrigeration**
Rob VanSkiver  
(585) 591-8168  
[Email Me!]

**Golf & Clambake Outing**
Michael McGinnis  
(607)727-3168  
[Email Me!]

**Membership Promotion**
Chris Wolak  
(484) 350-1954  
[Email Me!]

**Nominating**
Andrew Nice  
607-760-5960  
[Email Me!]

**Meeting Reception**
Matthew Lloyd  
607) 239-3956  
[Email Me!]

**H.O. Ward Scholarship**
Richard Sanguinito  
(607) 231-6605  
[Email Me!]

**Research Promotion**
Glenn Roberts  
(315)234-1527  
[Email Me!]

**Student Activities**
Jason Gilbert  
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[Email Me!]

**Membership Directory**
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[Email Me!]

**Albern Education Fund**
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[Email Me!]

**Honors & Awards**
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[Email Me!]

**Historian**
Richard Sanguinito  
(607) 231-6605  
[Email Me!]

**Symposium– Fall/Spring**
Kyle Nedlik  
(607) 321-6100  
[Email Me!]

**Auditing**
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[Email Me!]

**Webmaster**
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**Newsletter Editor**
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**YEA: Young Engineers**
Victoria Kramer  
(607) 321-6127  
[Email Me!]

**Publicity**
Andrew Nice  
607-760-5960  
[Email Me!]
# Twin Tiers Chapter—Monthly Meeting Information

## 2018-2019 Meeting Dates:

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Tech Session Topic, Tour or Meeting Info</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-Sep</td>
<td>Brendan Harder, Beer Tree Brewing Co.</td>
<td>TOUR: Beer Tree Brewing Co. tour of their facilities.</td>
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<tr>
<td>16-Oct</td>
<td>Multiple/TBD</td>
<td>Fall Engineering Symposium—Daytime</td>
<td>-</td>
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</table>
| 13-Nov     | Kevin Diehl, Yaskawa America  | VFD Drive Basics & Drive Harmonic Effects  
*Research Promotion Night & YEA Night (YEA Event to Follow)* | -          |
| 18-Dec     | Paul Torcellini, PhD, PE, ASHRAE DL | Creating a World of Zero Energy Buildings  
*Past President’s Night & History Night*                                                    | -          |
| 15-Jan     | Dennis Hoover, Alvogen         | TOUR: Recent Production Suite Fit-Outs, Pharma Technologies  
*Membership Promotion Night*                                                                 | -          |
| 19-Feb     | Jason Gilbert, Binghamton University Mike Eckhardt - McFarland Johnson | TOUR: Binghamton University School of Pharmacy & Pharmaceutical Sciences Tour  
*Student Night*                                                                                   | -          |
| 19-Mar     | Speaker: TBD, Cornell University | TOUR: Cornell University Hydroelectric Plant Tour  
*Student Night & YEA Night*                                                                           | -          |
| 16-Apr     | Multiple/TBD                   | Spring Engineering Symposium—Daytime                                                           | -          |
| 21-May     | Speaker: TBD                   | Brewery Tour  
*Donor Recognition Night*                                                                             | -          |
| 18-Jun     | None                           | Golf Tournament                                                                               | -          |

*NOTE: Speakers and topics are subject to change based on availability.*
Thank you Sponsors!

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Cell: (607) 481-0701
e-mail: morrell@STCF.com

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ddelucia@taitem.com

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v 607.277.1118 x120
c 315.729.5545
www.taitem.com

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Team Leader

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315.234.1500 Office 315.433.9120 Fax
rjbyrd@trane.com
www.trane.com

Shey Doane
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Trane Commercial Systems
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Office (315) 234-1509 Mobile (315) 382-2350
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sdoane@trane.com
www.trane.com

Ingersoll Rand

Ray Spears
Controls Account Manager

15 Technology Place
East Syracuse, New York 13057
315.234.1537 Office 315.317.4424 Cell
rmspears@trane.com
www.trane.com
Chapter Research Promotion

Dear ASHRAE Twin Tiers Member or Research Promotion (RP) Supporter,

As the RP Chair and a fellow member of the Twin Tiers Chapter, I wanted to personally ask you for your help in supporting ASHRAE Research. ASHRAE’s research program, established in 1912, supports 140 research projects with a combined value of more than $15 million. Research focus includes energy and resource efficiency, indoor environmental quality, design, operation and management tools, alternative technologies, and materials and equipment. Through scholarships, grants and awards, the Society supports engineering education for undergraduate students and research projects for graduate engineering students and new post-doctoral scholars.

For Research Information please see the following site:

https://www.ashrae.org/standards-research--technology/ashrae-rp

You can either donate directly with a credit card, see link below:

https://xp20.ashrae.org/secure/researchpromotion/rp.html

or send a check to:

ASHRAE Research Promotion
att. Patricia Adelmann
1791 Tullie Circle NE
Atlanta, GA 30329

Make check payable to “RP Donation-ASHRAE Twin Tiers”

Again, a personal Thank You for the following who have donated last year:

Matthew Hawley
Kyle Nedlik
Devin Shapley
Raymond Millard
Michael McGinnis

Petros Papathomopoulos
Adam Keller
Arthur Monaco
Michael Colwell

Glenn Roberts
BHV Sheet Metal Fabricators
Mark Mattina
Norman Scott

I hope that ASHRAE and I can count on your support this year.
Email me, or come see me at a Chapter Meeting if you have any questions.

Glenn Roberts
Twin Tiers Research Promotion Chair

Email Me
Twin Tiers ASHRAE H.O. Ward Scholarship

By
Rick Sanguinito H.O. Ward Scholarship Chairman 2018-2019

H. O. WARD SCHOLARSHIP
Date: November 12, 2018

In 2018 we had three scholarship recipients:

- Tara Dulak $1,000 Scholarship
- Brandon Link $500 Scholarship
- George Pappass $500 Scholarship

We are offering scholarship opportunities for student members, children of members, grandchildren of members, nephews and nieces of members.
Please consider passing this application to your children or grandchildren. The program is guided for HVAC interest.
This would include but not limited to
- HVAC trade school students
- Engineering students in building programs
- Engineering students with an interest to become a Professional Engineer (Mechanical)
- Engineering students in manufacturing (HVAC equipment)
- Engineering / trade school student that can demonstrate how their study relates to HVAC aspect like building trades, equipment manufacturing, research and development, HVAC maintenance, etc..

APPLICATIONS MUST BE SUBMITTED BY FEBRUARY 15, 2019
Congratulations!

The ASHRAE Technology Awards recognize outstanding achievements by ASHRAE members who have successfully applied innovative building designs. Their designs incorporate ASHRAE standards for effective energy management and indoor air quality and serve to communicate innovative systems design. Winning projects are selected from entries earning regional awards.

David J. Meyer, P.E., Jaimeeganleong Wilson, Ph.D., P.E., BEMP, BEAP, Eric J. LePore, P.E. and Alfred Rodgers, CPMP, new other institutional buildings category, Koffman Southern Tier Incubator, Binghamton, N.Y. The building is owned by Koffman Southern Tier Incubator.
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

February Chapter Meeting Announcement

February 19, 2019

ASHRAE Twin Tier February Chapter Meeting

**DATE:** Tuesday, February 19th, 2019

**TIME:** 5:00 PM

**MEETING LOCATION:**
Binghamton University School of Pharmacy and Pharmaceutical Sciences
96 Corliss Ave.
Johnson City, NY 13790
Room PB-114

**PRESENTATION:**
“Pharmacy School Building Systems Overview” - Jason Gilbert
"Pharmacy Basement; Might Be Small, But No Two Rooms Are Alike" - Michael Eckhardt

**SPEAKER:**
Jason Gilbert, PE - Binghamton University
Michael Eckhardt - McFarland Johnson

**DESCRIPTION:**
The School of Pharmacy and Pharmaceutical Sciences, the newest school at Binghamton, offers doctoral degrees in pharmacy and pharmacology. The school has been granted Precandidate status and enrolled its first students in fall 2017, and is on a new health sciences campus in Johnson City, near UHS-Wilson Medical Center. Jason Gilbert from the university’s physical facilities team will describe some of the mechanical systems that can be found throughout the newly constructed building.

The Binghamton University’s Pharmacy School’s basement renovation project involved incorporating four independent BU Departments (University Police – UPD, Environmental Health and Safety – EF&S, Information Technology - IT, and Physical Facilities) into a shell space constructed before programming for the project even began. Specific challenges were faced by Mike and his team during the design phase related to the introduction of ventilation air to the spaces, relief of exhaust air (particularly from the UPD), dehumidification of locker rooms and the UPD armory, redundant heating and cooling systems for UPD and IT, and in-rack cooling for the IT equipment. If that wasn’t enough, there was an additional wrinkle that complicated the project before it even started plan layouts. To find out what it was, you’ll have to attend the presentation.

This month’s meeting will also be one of our chapter’s 2018-2019 student nights, as well as YEA night

**AGENDA:**
5:00-5:15: Arrivals & Networking
5:15-6:00: Building Tour
6:00-6:30: Chapter Meeting & Dinner
6:30-7:30: Presentation
7:30-8:30: YEA Event - ASHRAE Jeopardy

**MENU:**
Starters
February Chapter Meeting Announcement (Cont.)

February 19, 2019

ASHRAE Twin Tier February Chapter Meeting

AGENDA:
5:00-5:15: Arrivals & Networking
5:15-6:00: Building Tour
6:00-6:30: Chapter Meeting & Dinner
6:30-7:30: Presentation
7:30-8:30: YEA Event - ASHRAE Jeopardy

MENU:
- Caesar Salad with Homemade Croutons
- Fried Chicken Breast Parmesan
- Meatloaf with Spanish Onions
- Balsamic Herb Roasted Vegetable Medley
- Garlic Mashed Potatoes
- Freshly Baked Rolls w/ Butter
- Double Chocolate Layer Cake
- Dutch Apple Pie

Refreshments
- Coffee, Tea, Unsweetened Iced Tea, Lemonade, Water
- OPEN BAR, Sponsored by Victaulic

REGISTRATION:
Register online at http://twintiers.ashraechapters.org/ (Under the “Programs” Tab)
$25.00 Early Registration (By 1/11/2019)
$30.00 (After 1/11/2019)

CONTACT:
Kyle Nedlik
(Please call, text, or email me at below with any questions or if you get lost)
E: Email Me!
C: (607) 321-6100
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter - January BOG Meeting Minutes

Board of Governors Meeting
Date: January 15, 2019
Location: Norwich Pharma

http://twintiers.ashraechapters.org

Agenda
Meeting was called to order at: 4:15

- Call to Order and Attendance:
  - Attended: Jason, Adam, Chris, Kyle
  - Call-in: Matt, Mike, Devin, Petros

- Item to Discuss:
  - Vote to approve the December Meeting Minutes
  - Review the calendar of events:
    - Feb – Accommodations for BU tour
    - Room reserved for dinner and meeting; liquor license application has been submitted
    - March – All Set for Cornell Tour and Presentation?
      - Confirmed
    - April – Symposium Status, review menu
    - May – Ommegang
      - Kyle, Mike, & Andy working to have everything confirmed by March meeting
  - New website is operational, any comments?
  - Move Budget Cycle from August to August – Rick S.
  - Open Floor

- Treasurer’s Report (Adam Keller):
  - All accounts are in good standing.
  - Reimbursement checks had not been deposited

- CTTC (Kyle Nedlik/Devin Shapley): $500 was awarded for Constraction – need to develop report explaining how funds will be used/distributed

- YEA (Victoria Kramer):
  - First Social Event was Nov, first drink sponsored by Trane
    - Next event will take place at the February meeting
    - Chris W. to sponsor the open bar ($250)

- Membership Promotion (Chris Wolak): No Report
- GGAC (Adam Keller): No Report
- Student Activities (Jason Gilbert): No Report
Twin Tiers Chapter - January BOG Meeting Minutes

Board of Governors Meeting
Date: January 15, 2019
Location: Norwich Pharma

- Research Promotion (Glenn Roberts):
  Reminder the chapter is to be reimbursed for the excess December donation to meet 30% of goal

- History (Rick Sanguinito): No Report

- Special Events
  - Golf and Clambake (Mike McGinnis and Travis Fisher)
  - Construction – Chapter Opportunity Fund? ()

- PAOE (Mike McGinnis): See below (as of 1/12/19)
  - Reminder to chairs that they can update PAOE points.
  - On track to meet PAOE requirements for the year

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<td>RP*</td>
<td>1050</td>
<td>800</td>
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PAOE requires achieving minimum in 5 of the 6 categories marked with *

- New Business: None

Meeting was adjourned at 4:53PM
Motioned: Kyle
Second: Jason
What Were They Thinking???

Do you have a funny, “unique”, or just plain horrible installation picture? Please send them to the Editor at anice@meiersupply.com

*** All names/brands are removed to protect the guilty. ***
As a licensed professional in New York State, it is your professional responsibility to know the legal and ethical requirements governing the practice of your profession and to be alert to changes in those requirements. The New York State Board for Engineering and Land Surveying, in an effort to help you stay abreast of your professional responsibilities, has developed this short, self-study educational activity in ethics.

This educational activity is based on the New York State Education Law Articles 130 and 145, the Rules of the Board of Regents Parts 1, 3, 17, 18, 28, 29, 31, and the Regulations of the Commissioner of Education Parts 59 and 68. It is strongly recommended that, prior to taking the self test, you review these foundational materials (http://www.op.nysed.gov/prof/pels/pelow.htm) on the engineering web site.

Once you have reviewed the foundational materials, proceed to complete the self test below. When you have completed the self test, click the "Get your score" button at the bottom of the page. You should print this screen and save it as evidence of satisfactory completion of this educational activity. A score of 90% or greater will allow you to claim 1 Professional Development Hour (PDH) of educational activity credit in ethics ONCE in each three-year registration period. Retain your printed screen for no less than 6 years from the date of completion.

Take Your PE Ethics Self Test Here!

http://www.op.nysed.gov/prof/pels/peceselftest.htm
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**Level II – Applications**
March 14 – 15, 2019
$854 (ASHRAE Member: $699)

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Company Discount
Enroll 3 or more participants from the same company at the same time and SAVE! Email Gabrielle Gaston (ggaston@ashrae.org) for group registration assistance.
Thank you Sponsors!

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300 MILE CROSSING BLVD, ROCHESTER, NY 14624
Direct (607) 727-3168
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Fax (585) 436-6606
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main: 607.238.5888
fax: 607.338.1288
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**Why?** We are conducting a study to collect and analyze basic building data including actual monthly energy use of 168 secondary schools and medium offices in 14 climate subzones across the U.S. The study will be based on actual energy cost analysis, with supporting building energy modeling, energy audits, and surveys of construction, facility, and operations staff. The study will be used to determine common factors among best and worst buildings and to provide recommendations for future energy codes and standards developments.

**Do you know of any such building and want to help the project?** Please contact the Principal Investigator, Dr. Joe Zhou, at jzhou@seventhwave.org, or phone: 608.210.7155, or fill out a simple, two-minute online survey. We will then contact the building owner or designer for additional information.
Senior Mechanical Engineer – Buildings

Our Buildings practice keeps people at its heart, recognizing that our shared journey forward is shaped by the meaningful and responsive places we design. From iconic designs to monumental groundbreakings, join us to bring transformational building solutions to life. Every day we apply our expertise, creativity, and passion to propel communities into the future—join us!

Your Key Responsibilities

- Preparation of specific project proposals and resulting contracts, project implementation plans, resource planning, quality control and design review, project team review and coordination, client and financial management.
- May assist as Mechanical Engineering Lead overseeing the engineering & design of plumbing / fire protection / HVAC and other mechanical systems for new and renovated buildings.
- Mechanical engineering - Actual designs including the completion of code reviews, preparation of the basis of design, system calculations, mark-up of drawings, specification preparation, field investigations, construction estimating and site inspections and other such design as required to execute the mechanical construction for new or renovated buildings.
- May perform Project Manager duties as needed.

Some travel to site locations or other Stantec offices may be required.

Your Capabilities and Credentials

- Registered PE in the state of New York desired, registration in other states a plus
- Must have strong Mechanical Engineering skills in the area of Plumbing, Fire Protection, HVAC and related mechanical systems
- Prior management experience is a plus
- Prior consulting engineering experience is required
- Experience using AutoCAD, Revit, Trane Trace or eQuest is a plus
- Excellent verbal and written communication skills
- Excellent interpersonal skills with team members and clients

Education and Experience

Bachelor's degree in Mechanical Engineering
A minimum of 8 – 12 years’ experience is required

This description is not a comprehensive listing of activities, duties or responsibilities that may be required of the employee and other duties, responsibilities and activities may be assigned or may be changed at any time with or without notice.

Stantec is a place where the best and brightest come to build on each others' talents, do exciting work, and make an impact on the world around us. Join us and redefine your personal best.

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(Endicott)
https://stantec.jobs/endicott-ny/senior-mechanical-engineer-buildings/D1F3DB82CD724315831E3B823AD94301/job/
Twin Tiers Chapter—Business Cards Advertisement for Newsletter

ADVERTISE your business card:

- Current business card adds will expire at the end of this year, December 31, 2018.
  - New subscription will run the calendar year 2019.
  - Cost to advertise for the 2019 year is $50.
- Sign up now for the 2018 year On Pay Pal [http://twintiers.ashraechapters.org](http://twintiers.ashraechapters.org)
  Or Send Check and copy of business card to Twin Tier News Letter Editor:
  Meier Supply Co.
  Attn: Andrew Nice
  275 Broome Corporate Parkway
  Conklin, NY 13748
  - Email a copy of your business card to [Twin Tier Newsletter Editor Email](mailto:).
  From Web site please visit: [http://twintiers.ashraechapters.org](http://twintiers.ashraechapters.org)
  Go to the News Letter tab, and place your order to advertise your business card.

Business Card Advertising 2019

The Twin Tiers Chapter of ASHRAE can accept business card advertising with the following provisions:
-- The company must be associated with HVAC&R technology.
-- The company must be a local service provider, a local manufacturer, or a manufacturer's representative serving the area.

If you aren't sure, just ask.

We are now accepting business card advertisements for the newsletters that will be published in 2019. This is a great opportunity to get your name and business in front of the over 250 subscribers to our chapter newsletter. The price for the newsletter only is $50 for the entire 2018 year.

Business card ads can be placed using a scanned electronic copy of your business card, or you can mail your card to me (please no staples or paper clips).

Questions? Call or email
Thank you for your support!
Andrew Nice
[Twin Tier Newsletter Editor Email](mailto:).
ASHRAE Mission Statement

ASHRAE will advance the arts and sciences of heating, ventilation, air conditioning, refrigerating and related human factors to serve the evolving needs of the public and ASHRAE members.

Ethics Requirement for PE

PE’s in NYS will be required to have one hour of Ethics within their 36 hours of continuing education for registration periods beginning August 1, 2011 and after.

ASHRAE Vision Statement

ASHRAE will be the global leader in the arts and sciences of heating, ventilation, and air conditioning.

ASHRAE will be foremost authoritative, timely, and responsive source of technical and education information, standards and guidelines.

ASHRAE will be the primary provider of opportunity for professional growth, recognizing and adapting to changing demographics, and embracing diversity.

Advancing HVAC&R to serve humanity and promote a sustainable world”

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