ASHRAE CNY NEWSLETTER
JANUARY 2019

TABLE OF CONTENTS

Chapter Officers 2
Program Schedule 2
President’s Message 3
Program Chair Report 4
Member Promotion Report 4
GGAC Report 5
Refrigeration Chair Report 6
Clambake Update 6
Clambake Flyer 7
BOG Meeting Minutes 8
Student Member App. 9-10
Member Application 11-12
Student Transfer App. 13-14
ASHRAE Conference Flyer 15
Job Opening Notices 16-18

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January 9, 2019 - ASHRAE CNY Chapter Monthly Meeting:
Program: Energy Savings Strategies Variable Air Volume Rooftop Units
Time: 5:30pm - 8:00pm PDH: 1
Location: Dinosaur BBQ—246 W Willow St, Syracuse, NY 13202
Cost: FREE EVENT
Registration: via our website https://ashraecny.wildapricot.org

January 13, 2019 - ASHRAE Region I Dinner:
Time: 6:00pm
Location: 25 Andrew Young International Blvd NW, Atlanta, GA 30303
Registration: via our website https://ashraecny.wildapricot.org

January 11-16, 2019 - ASHRAE Winter Conference & AHR Expo:
Location: 25 Andrew Young International Blvd NW, Atlanta, GA 30303
Registration: https://www.ashrae.org/Atlanta

February 13, 2019 - ASHRAE CNY Chapter Monthly Meeting:
Program: IAQ and Cognitive Functioning in High Performing Buildings
Time: 5:30pm - 8:00pm PDH: 1
Location: Dinosaur BBQ—246 W Willow St, Syracuse, NY 13202
Cost & Registration: via our website https://ashraecny.wildapricot.org
Hope you all had a very pleasant holiday season!

On November 12th, the CNY Engineering Expo Committee had another successful year hosting the 15th Annual CNY Engineering Expo at Oncenter, Syracuse. More than 500 professionals from all over the State participated in the day-long 7-PDH conference. Among of the sponsoring technical societies, ASHRAE hosted the Mechanical/HVAC/Energy session for the 4th consecutive year. We invited T. David Underwood, ASHRAE society past president, who provided valuable insights on smart grid and commissioning. I, Charles Bertuch, and the other two speakers also presented on ASHRAE standards, energy storage, building envelope, and mechanical engineering failures. I thank you for those who came and I welcome to more diverse topics on Mechanical/HVAC/Energy next year.

Right after the CNY Expo, our Chapter host a small-scale trade show and happy hours at Dinosaur BBQ. Thanks to our sponsors (EBS, RL Stone, RF Peck, and Liberty Electric) who made the trade show and happy hours available!

In December, we had Shaz Syed from Bosch presented a topic on boiler design basics. It was a YEA night, we had about 8 students from SU and SUNY ESF came, those SU students who participated in the ASHRAE sponsored senior project also briefly presented their progress. Thanks to our open-bar sponsor from H&V, it was a good meeting to wrap up 2018. I also presented ASHRAE’s updated cores values, including Excellence, Commitment, Integrity, Collaboration, Volunteerism, and Diversity.

Both our sponsored SU Senior Project and Sustainability Project with Oswego County Opportunities are progressing well, thanks for the BoG members who are leading the efforts. Please refer to their update articles below.

On December 10th, I also had the pleasure to visit Rochester Chapter as Regional Vic Chair for YEA and presented a topic on sustainability and resiliency. I learned several things from our well-run neighboring chapter.

As we are planning our annual Clambake first time at the Spinning Wheel, we welcome all of you to reserve the date on Thursday June 13th. I hope to see you at this new venue! Refer to the following article and attached flyer for details.

Our next meeting – the first meeting in 2019 – is a free meeting sponsored by Carrier. I hope to see you at the Dinosaur BBQ on January 9th!

Sincerely,

CL

Chonghui Liu
ASHRAE CNY Chapter President 2018-2019
**PROGRAM CHAIR UPDATE**

We have been making headway on the Syracuse University Senior Design Project. Before the holidays, the students were finalizing their equipment selections and once they return from break they will move into duct lay outs. In the coming months they will have a full HVAC design finalized and ready for a presentation.

Geoff Sincavage  
Vice President

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**MEMBERSHIP PROMOTION REPORT**

Please welcome the following members to the CNY Ashrae Chapter:

Mr. David Hollman  
Mr Donald Solon Howell III

Please join us at Dinosaur BBQ@ 6PM on January 9th this is a FREE event. Please register @ [https://ashraecny.wildapricot.org](https://ashraecny.wildapricot.org). Meetings are held the 2nd Wednesday of every month until May. We all look forward to seeing you there!

Current Members if you have 12 society approved years please make sure your ASHRAE membership is at MEMBER grade. In order to become MEMBER grade your profile must be updated with your experience. Please feel free to contact Derek Birdsall Chapter MP at 315-726-2255 with any questions.

Derek Birdsall  
Membership Promotion

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ASHRAE Sends Letter to U.S. Congressional Leadership Concerning Energy Efficiency Tax Incentives

On November 14, ASHRAE joined with others in sending a letter to the U.S. Congressional Leadership urging it to update lapsed energy efficiency incentives for homeowners, consumers and businesses and enacting multi-year, forward-looking extensions as quickly as possible. The complete letter can be found at https://bit.ly/2Qwk8YS

Legionnaire's Disease in Washington Heights, NY

The New York City Health Department recently reported a second cluster of Legionnaire's Disease in the Lower Washington Heights area of the City. The Health Department has investigated these cases and is sampling and testing water from all the cooling towers systems in the affected area.

Up to 18,000 Americans become ill annually because of Legionella growing in building water systems such as cooling towers. ASHRAE's response is Standard 188, the first standard to specify minimum legionellosis risk management requirements.[1] Useful resources from ASHRAE and allied associations on reducing the risk of legionellosis can be found at https://www.ashrae.org/technical-resources/standards-and-guidelines/guidance-on-reducing-the-risk-of-legionella


Governor Cuomo Announces Dramatic Increase in Energy Efficiency and Energy Storage Targets to Combat Climate Change

2025 Energy Efficiency Targets Will Reduce Energy Consumption by Equivalent of 1.8 Million Homes Annually and Create as Many as 50,000 New Jobs
Energy Storage Initiative Will Provide Enough Electricity for 1.2 Million Homes and Produce $2 Billion in Benefits to New Yorkers

Aggressive Pursuit of Energy Efficiency and Energy Storage Vital to Meet New York's Clean Energy Goals
Governor Andrew M. Cuomo today announced on December 13th that the New York State Public Service Commission approved two initiatives to dramatically increase New York's energy efficiency and energy storage targets to combat climate change. The new energy efficiency target for investor-owned utilities will more than double utility energy efficiency progress by 2025, reducing the state's energy consumption by the equivalent of fueling and powering 1.8 million homes. The energy storage initiative sets New York on a trajectory to achieve 1,500 megawatts of storage by 2025, enough electricity to power 1.2 million homes, and up to 3,000 megawatts by 2030. First announced as part of the Governor's 2018 State of the State clean energy agenda, these energy efficiency and energy storage targets are vital to meeting New York's clean energy goals.


Brendan Hall
Grassroots Government Advocacy Council Chair
**Sustainability Project**

Since early last year, CNY ASHRAE has been working with Oswego County Opportunities (OCO) to develop a sustainability project at their Transitional Living Home in Fulton, NY. The 16 bed home provides short term (6 months – 2 years) supervised living for individuals with mental disabilities not quite ready to venture out on their own.

After many months of planning and negotiation, construction is slated to begin around January 14. All work should be complete in about a month.

The purpose of the sustainability project is to reduce energy costs and improve occupant comfort at the 120 year old former mansion. Key elements include:

- Replacement of antiquated steam boiler radiator system with a forced air condensing natural gas furnace. Air conditioning, previously provided by window units, will now be handled by a high efficiency heat pump.
- Replacement of incandescent lights throughout the home with LED fixtures.
- Replacement of storage tank hot water heaters with an instantaneous heater.
- Insulation of mansard roof areas, current a chronic source of ice dams.

Installation of smart thermostats

The project is being funded by a $20,000 grant from the CNY Chapter, $2,300 from the Region I Chapter Opportunity Fund, and NYSERDA incentives. Several local firms have generously donated products and services. All parties involved with be fully recognized at the completion of the project.

Charles Bertuch
Chapter Refrigeration Chair

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**CLAMBAKE UPDATE**

Please save the date! June 13, 2019 is the date of our Annual Central New York Chapter of ASHRAE Clam Bake at the Spinning Wheel in Syracuse. The Spinning Wheel is excited to host our first clam bake at the new location. We are in the process of contacting local vendors and business for door prizes. If you or if you know of a business that would like to donate for our clam bake please let me know, we appreciate all the help we can get. I hope to see you all there!

Cordially,

Steve Sill & Tim Anderson
Co-Clambake Chairs
It’s Clam Bake Time!!!
The Spinning Wheel
7384 Thompson Road, North Syracuse

Central New York Chapter

Thursday June 13, 2019, 4—8 PM

Food, Fun & Drink all included
—Ticket Price $60.00/pp

Major Raffles items
50/50 Raffle
DJ Entertainment

Contact for Information: Steve Sill—stevesill1966@hotmail.com / 315-380-1427
Tim Anderson—tima@rl-stone.com / 315-380-5863

For Tickets: bhenderson@syracusethermal.com

ASHRAE Supports K-12 STEM Initiatives in schools & Community Sustainability Projects
Central NY ASHRAE

Board of Governors Meeting

Minutes from November 12th, 2018

Location: Dinosaur BBQ

Attendees: Chonghui Liu, Matt Clark, Chris Devins, Geoff Sincavage, Tim Anderson, Zach DeHaas, Robert Romeo, Derek Birdsall, Andrew Brownell, Brendan Hall

Meeting Started: 6:50 PM

- Motion: Approve Previous meeting minutes
  - Moved by: Brendan Hall
  - Seconded by: Matt Clark
  - Vote count: For: 10  Against: 0  Abstained: 0

Officer Reports

President:
(C. Liu) – Make sure everyone updates PAOE points

President Elect:
(G. Sincavage) – No report

Vice President & Programs:
(E. Galasso) – No report

Secretary:
(M. Clark) – No report

Treasurer:
(C. Devins) –

  - Motion: Approve treasurer’s report
  - Moved by: Matt Clark
  - Second: Derek Birdsall
  - Vote count: For: 10  Against: 0  Abstained: 0

Committee Reports

Membership Promotion:
(D. Birdsall) – No report

Research Promotion:
(T. Anderson) – Secured Spinning Wheel for Clambake.

Student Activities:
(A. Brownell) – In contact with ESF. Looking to start student branch

Student design will present at December meeting

STEM Champion:
(S. Sill) – No report

YEA:
(Z. deHaas) – Will stay in contact with ESF students to spread word on invite.

Hospitality:
(R. Romeo) – No report

Historian:
(B. Walter) – No Report

Electronic Communications:
(R. Kimball) – No report

Gov’t Affairs:
(B. Hall) – Meeting on Thursday with head of new construction with NYSERDA and head of pub ed for ASHRAE. Plan is to have licensing agreement between ASHRAE and NYSERDA to share information.

Refrigeration:
(C. Bertuch) – No Report

HVAC Trade Show:
(J. Macblane) – No Report

CNY Steamboat Challenge:
(C. Liu) – No Report

CNY Engineering Expo:
(C. Liu) – No Report

Clambake Committee:
(S. Sill) – No Report

Unfinished Business:

Sustainability Committee:
(C. Bertuch) – No Report

New Business:

Next Month Meeting:

Meeting Adjourned: 7:05 PM

- Motion: Meeting adjourned
  - Moved by: Chris Devins
  - Seconded by: Derek Birdsall
  - Vote count: For: 10  Against: 0  Abstained: 0

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Application for Student Membership

Join online at ashrae.org/students

At the student branch level, you’ll enjoy meeting other students with similar interests – if your school hasn’t yet started a student branch, take charge and contact a faculty member and ask for help on getting started!

Why ASHRAE?

- Discounts on publications, conferences, and continuing education opportunities
- Society and chapter-level scholarships for both undergraduate and graduate engineering students
- Discounts for student members on select publications
- Digital access to the monthly ASHRAE Journal, the Technology Portal, the quarterly High Performing Building Magazine, and Science and Technology for the Built Environment (STBE)
- Participate in events with your local ASHRAE Chapter
- Find Internships and jobs at jobs.ashrae.org
- Senior Undergraduate Project Grant Program
- Discounted ASHRAE Annual and Winter Conference registration (AHR Expo, Student Program, Technical Sessions)
- Gain essential skills not taught in class
- Make great new friends!

Developing Economies Program for Students

Students who reside in countries categorized as “Low Income” and “Lower Middle Income” developing economies by the World Bank List of Economies statistics are eligible to participate in this program. Students in this program receive all the benefits of regular student membership, including online access to the ASHRAE Journal (digital access only - participants will not receive a monthly printed copy of the ASHRAE Journal).

Visit www.worldbank.org for a listing of qualified countries: Low Income and Low Middle Income only. If you currently reside in one of the countries listed in those categories, simply check the box marked ‘Developing Economies Program’ in the ‘Purchases’ section of this application.
ASHRAE Student Membership Application valid July 1, 2018 through June 30, 2019

1. Contact Information.
   □ Mr. □ Miss □ Ms. □ Mrs. *Birthday (required) __________/_________/__________
   (Month) (Day) (Year)

   Name ____________________________________________________________
   (First) (Last)

   Primary Address (where all correspondence will be mailed)
   Address _________________________________________________________
   _________________________________________________________

   Alternate Address
   Address _________________________________________________________
   _________________________________________________________

   City ___________________ State/Province ______ City ___________________ State/Province ______

   Zip/Postal _________ Country _________________________________

   E-mail ___________________________ E-mail __________________________

   Phone: ___________________________ Phone: __________________________

   □ I would like to receive occasional student updates via email. □ I would like to participate in the __________________ ASHRAE Chapter.

2. Student Branch Information.
   School Name: ____________________________________________________

   Address: _________________________________________________________

   City: ____________________________________ State/Province: ______
   Postal Code: ____________________________

3. Education. Classification: Freshman □ Sophomore □ Junior □ Senior □ Masters/PhD. □

   Full time □ Part time □ Degree: __________________________

   Expected Graduation Date: __________________________ (MM/DD/YYYY)

4. Sponsor Information.
   All student applicants must have the name and member number of an ASHRAE member serving as their student sponsor. If your Student Branch Advisor is an active Associate or Member of ASHRAE, he/she can serve as your sponsor. If you need assistance locating a sponsor, please email students@ashrae.org or call 678-539-1212. Also, you must list the name, phone and email address of your faculty advisor or course instructor.

   Sponsor Name: ____________________________________________

   ASHRAE Member #: ________________________________________

   Advisor/Instructor: __________________________ Email __________________________

5. Purchases.
   □ Student Membership- Regular: $21 □ Student Membership- Developing Economies Program (see reverse for qualifications) $11

   □ Printed Edition of the current ASHRAE Handbook: □ I-P □ SI Student Member Price: $49.00

   □ PDF Version of the ASHRAE Handbook (Includes both I-P and SI Units) Student Member Price: $39.00

   □ ASHRAE Handbook Online - One Year Subscription to all four volumes of the Handbook series: $33.00

   *Additional publications are available at student member discounts at ashrae.org/studentbookstore

6. Payment. □ Visa □ Mastercard □ Amex □ Diner’s Club □ Check/money order**

   Card # ___________________________ Expiration Date __________/__________
   (Month) (Year)

   Total Amount: ______________ Signature ____________________________

   CHECKS WILL BE ACCEPTED IN US AND CANADIAN FUNDS. CREDIT CARD PAYMENTS ACCEPTED IN US FUNDS ONLY
ASHRAE Membership Application
Save Time. Join Online at ashrae.org/join
Prices shown are valid from July 1, 2018 through June 30, 2019

MEMBERSHIP

WHO ARE ASHRAE MEMBERS?
Members are represented by consulting engineers, mechanical contractors, building owners, employees of manufacturing companies, educational institutions, research organizations, government, architects, students or anyone concerned with HVAC&R for the built environment.

WHICH MEMBER TYPE IS RIGHT FOR YOU?
ASHRAE has three grades of membership awarded to applicants based on their experience and participation in the industry. Before you apply and select a member grade, we encourage you to visit the ASHRAE website to see the member grades and their corresponding member benefits. Prices shown are in US currency.

Member ($209)
Available to anyone with 12 years or more ASHRAE approved experience in the HVAC&R industry.

Associate Member ($209)
Available to anyone with less than 12 years of ASHRAE approved experience in the HVAC&R industry.

Affiliate Member
($53 first year, $79 second, $105 third)
Affiliate grade is for individuals who are new to ASHRAE (no previous membership in ASHRAE) and are age 30 or younger. It provides a great beginning for young professionals who wish to become involved in ASHRAE. (Does not include the annual member benefit of the ASHRAE Handbook).

MEMBER BENEFITS AND RESOURCES

PUBLICATIONS & RESOURCES

- ASHRAE Handbook (Available to Members and Associates) in print or PDF, as well as a 12 month complimentary subscription to the Handbook Online, which provides online access to the most recent 4 volumes of the Handbook series.
- Monthly ASHRAE Journal in print and online
- Quarterly High Performing Buildings magazine in print and online
- e-Industry and eSociety electronic newsletters
- Access to members-only resources through ASHRAE.org, the Technology Portal, and Science and Technology for the Built Environment (STBE)
- Discounts on over 300 of the industry's leading technical publications

PROFESSIONAL EDUCATION AND CAREER DEVELOPMENT

- Discounted registration for education courses through the ASHRAE Learning Institute, as well as ASHRAE certification programs
- Earn PDHs/CEUs/AIA LUs to maintain your professional designation/license with courses, seminars, and webcasts
- Gain industry knowledge, communication, and management skills by participating in ASHRAE technical programs or committees
- Post jobs or seek employment utilizing jobs.ashrae.org

NETWORKING

- Connect locally, regionally and internationally with over 57,000 members in over 180 chapters worldwide
- Learn, share, and grow at the Annual and Winter Conferences, and ASHRAE technical committees
- Participate in your local chapter or regional meetings and events

Privacy Policy: By supplying your email address you are agreeing to receive electronic communications from ASHRAE, with the knowledge that you may opt-out of certain electronic communication once you become a member. Please visit ashrae.org/privacypolicy for additional information.

Code of ethics: By submitting this application you are agreeing to abide by the ASHRAE Code of Ethics, found at ashrae.org/codeofethics.

Completed applications or questions can be sent to ASHRAE via email: membership@ashrae.org | fax: 678-539-2129 | phone: 1-800-527-4723 or 404-636-8400 mail: 1791 Tullie Circle, NE, Atlanta, GA 30329
ASHRAE MEMBERSHIP APPLICATION. Please complete each applicable section. Prices valid from 7/01/2018 - 6/30/2019.

1. Contact Information. □ Mr. □ Miss □ Ms. □ Mrs. □ Dr. *Birthday (required) ___/___/___
   (Month) (Day) (Year)
   Name ____________________________
   (First) (Middle) (Last) (Designation)
   Primary Address This is a □ Home □ Business
   Company Name ____________________________
   Address ____________________________
   City ____________________________ State/Province ________
   Zip/Postal ____________________________ Country ________
   E-mail ____________________________
   Telephone ____________________________ Cell ____________________________
   Name/Chapter of referring member (if applicable): ____________________________

2. Member Grade.
   For additional information on member grades and benefits see reverse or visit ashrae.org.
   □ Member — $209 (must complete section 2a)
   □ Associate Member — $209
   □ Affilite Member — $33 first year/$79 second/$105 third
   (new members, under 30)
   □ Reinstall my previous membership. Previous
   member number: ____________________________

2a. Biographical Information. ONLY Member Grade applicants must complete this section.
   Use additional sheets or attach resume if necessary. Associate and Affiliate grade applicants do not complete this section.
   School Location Dates of Attendance Degree/Course of Study
   ____________________________ ____________________________ ____________________________ ____________________________
   Educational Record
   Employer Location Dates of Employment Position/Title
   ____________________________ ____________________________ ____________________________ ____________________________
   Qualifying Work Experience
   Professional Engineering Registration Information License Number Date Issued Field of Registration Location of Registration
   ____________________________ ____________________________ ____________________________ ____________________________

3. Demographics. Please answer the questions by entering the codes in the space provided.
   Which best describes your title? ____________
   B- President S- Purchasing Agent
   C- Partner T- Draftsperson
   D- Associate U- Estimator
   E- Owner W- Technician
   F- Vice President X- Instructor
   G- VP Eng./Chief Engineer Y- Student
   K- Design Engineer/Designer Z- Librarian
   L- Proj./Application Eng. ZZ- Other
   O- Facility Eng./Mngr.
   P- R&D Eng.
   R- Sales Engineer

   Which best describes your firm? ____________
   11- Consulting Eng. 51- Manufacturer
   15- Design/Build 62- Sales Engineering
   21- Contractor 63- Installation
   26- Property Mgmt & Dev. 71- Wholesaler/Dist.
   31- Industrial Facility 83- Library
   34- Utility 84- Tech/Prof Assoc.
   41- Commercial Facility 85- Trade Assoc.
   42- Gov’t, Health, 86- Student
   Education 91- Other/Misc.

4. Areas of HVAC&R Interest. Enter the code for your area of interest from the list below:
   Code: ____________________________
   Heating A- Hydronic S- Refrigeration
   B- Forced Air T- Unitary Refrigeration
   C- Steam U- Commercial Refg.
   D- Process V- Process Refg.
   E- Service Water W- Low Temp (<60F)
   F- Solar X- Refg. Components
   G- Radiant R- Energy Recovery
   Refrigeration
   HVAC & Air Ducting & AC 5- Sound & Vibration
   Cleaning H- Heat Transfer Fluid Flow 6- Insulation
   J- Industrial 7- Energy Recovery
   K- Clean/Computer Room 8- Food Application
   L- AC Equip. <20tons 9- Health, Safety
   M- AC Equip. 20-200 tons 10- Commissioning
   N- AC Equip. >200 tons
   P- Air Handling Systems
   Q- Evaporative Coolers
   R- IEO

5. Handbook Preference. New Members and Associate Members receive a 12 month complimentary subscription to the Handbook Online, which includes access to the most recent 4 volumes of the Handbook. If you would like a print copy of the ASHRAE Handbook in addition to this subscription, please choose either IP or SI version below. Handbooks are printed and mailed to members annually in June.
   □ IP (inch/pound units), print with PDF
   □ SI (metric units), print with PDF
   □ PDF only (IP & SI)

6. Privacy Notice. If you DO NOT wish to receive 3rd party physical mailings, please check here. □

7. Include chapter membership dues: □ Dues Amount: ____________
   Paying chapter dues is encouraged but not mandatory, and can be paid separately to the Chapter at anytime. Contact chapter officers for amount. Add this amount to your Society dues in the "Total Amount" of the payment section below.

8. Payment. □ Visa □ Mastercard □ Amex □ Diner’s Club □ Check/money order**
   Card # ____________________________ Expiration Date ___/___/___
   (Month) (Year)
   Total Amount: ____________ Signature
   CHECKS WILL BE ACCEPTED IN US AND CANADIAN FUNDS. CREDIT CARD PAYMENTS ACCEPTED IN US FUNDS ONLY
What is the SmartStart program?

Simply put, it’s the best way for ASHRAE Student members to receive the many benefits of Associate grade membership after finishing college. SmartStart is a 3-year program that allows Student members to transfer to Associate grade membership at a rate that is recent-graduate friendly.

Price

SmartStart pricing structure is based on a gradual increase in membership dues to assist those just starting out, like yourself.

First Year: $21
Second Year: $79
Third Year: $105

Why Transfer to Associate membership?

- Take advantage of the networking and professional development opportunities offered through Young Engineers in ASHRAE (YEA)
- Tremendous networking opportunities at the Chapter, Regional, and Society level
- The ASHRAE Handbook — the indispensable, industry-wide resource for all HVAC&R professionals
- ASHRAE Journal — this monthly resource is the most trusted technical magazine in the HVAC&R community
- High Performing Buildings — the quarterly magazine for innovation in building technology design and operation
- HVAC Industry News — a weekly news resource keeping ASHRAE members abreast of the latest industry news
- Access to more than 300 of the industry’s leading technical publications
- Access to online education, webcasts and professional development opportunities

William Mak
Chicago, Illinois
B.S. in Architectural Engineering, Milwaukee School of Engineering

Why an engineering career in HVAC&R?
I wanted to pursue an industry that related energy usage, buildings and people.

What has ASHRAE meant for your career?
Through ASHRAE, I have developed valuable connections with people in the field locally and the technical database that comes with membership is priceless. In addition, by getting involved with Young Engineers in ASHRAE (YEA), I have been able to network with other people in the industry in my age group and at a similar place in their career.

Advice to students
Take advantage of resources, discover what you are passionate about and get outside of your comfort zone once in a while. The more you get involved with ASHRAE, the more you will get back in return.

Visit ashrae.org/yea for more information.

By submitting this application you are agreeing to abide by the ASHRAE Code of Ethics, found at ashrae.org/codeofethics.
1. Contact Information

Name
(First) (Middle) (Last) (Designation)

Primary Address
This is a □ Home □ Business

Company Name

Address

City State/Province
Zip/Postal Country

E-mail

Telephone Cell

Alternate Address
This is a □ Home □ Business

Company Name

Address

City State/Province
Zip/Postal Country

Alternate E-Mail

Preferred Chapter □ Home □ Business □ Other

3. Areas of HVAC&R Interest
Enter the code for your 1st, 2nd and 3rd area of interest from the list below:

1. ______ 2. ______ 3. ______

General Areas
1- Controls/Instrumentation
2- Heat Transfer Fluid Flow
3- Pipes, valves, fittings
4- Refg. & Lubrications
5- Sound & Vibration
6- Insulation
7- Energy Recovery
8- Food Application
9- Health, Safety

Ventilating & HVAC
H- Air Cleaning
I- Industrial
K- Clean/Computer Room
L- AC Equip. <20 tons
M- AC Equip. 20-200 tons
N- AC Equip. > 200 tons
P- Air Handling Systems
Q- Evaporative Coolers
R- IEQ

Heating
A- Hydronic
B- Forced Air
C- Steam
D- Process
E- Service Water
F- Solar
G- Radiant

Refrigeration
S- Unitary Refrigeration
T- Commercial Refg.
U- Industrial Refg.
V- Process Refg.
W- Low Temp (<60F)
X- Refg. Components

2. Career

Which best describes your firm?

11- Consulting Eng.
12- Architectural & Eng
15- Design/Build
21- Contractor
26- Property Mgmt & Dev.
31- Industrial Facility Mgmt.
41- Commercial Facility Mgmt.
42- Gov't, Healthcare, Education

Which best describes your title?

A- Corporate Level
AA- Engineering Mgmt
B- President
BB- Engineering Staff
C- Partner
D- Associate
E- Owner
F- Vice President
G- VP/Chief Engineer
K- Design Engineer

Which best describes your function?

1- Design/Engineering
2- Manufacturing
3- Maintenance Operations
4- Management
5- Sales

As a new Associate member you will receive a 12 month complimentary subscription to the Handbook Online, which includes access to the most recent 4 volumes of the Handbook. If you would like a print copy of the ASHRAE Handbook in addition to this subscription, please choose either IP or SI version below. Handbooks are printed and mailed to members annually in June.

□ IP (Inch/pound) print with PDF
□ SI (metric), print with PDF
□ PDF only (IP & SI)

6. Privacy Notice
If you DO NOT wish to receive 3rd party PHYSICAL mailings, please check here: □

5. Signature

__________________________
sign

__________________________
date

7. Payment
□ $205 (3 years: $21-$79-$105) □ $21 (First year only)

□ Visa □ Mastercard □ Amex □ Diner's Club □ Check/money order**

Card # ____________________________ CVV __________ Expiration Date ______/_______

Total Amount: ______________________ Signature ____________________________

CHECKS ACCEPTED IN US AND CANADIAN FUNDS. CREDIT CARDS ACCEPTED IN US FUNDS ONLY.
2019 ASHRAE Winter Conference
Atlanta, GA | January 12–16, 2019
ASHRAE.ORG/ATLANTA

AHR Expo 2019
Atlanta, GA | January 14–16, 2019
ASHRAE.ORG/AHREXPO2019

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Popli Design Group
http://www.popligroup.com/careers

Director, MEP Services, Popli Design Group
Syracuse/Rochester

PDG has an immediate position for a team-oriented Principal Mechanical Engineer to lead and manage our 20+ and growing multi-office department. Responsibilities include, but not limited to: day to day management of the group, design & manage projects as needed; QA/QC of projects; mentoring staff; client liaison, and new business development.

Requirements:
- BS/MS in Mechanical Engineering with PE registration (NY Required)
- Minimum 10 years’ hands on experience in designing and managing M/E/P Projects for public projects
- Effective Project Management and Leadership Skills
- Solid written and oral presentation skills
- Knowledge of codes and specifications.
- Experience with USGBC LEED projects preferred. Knowledge of Commissioning required. LEED AP certification preferred.
- Ability to manage production staff in Revit and Energy Modeling software
- Prior client experience with: DASNY, SUCF, OGS and other NYS Agencies, a plus

PDG Offers:
- Competitive compensation and Bonus plan
- Benefits package which includes medical, dental, vision, life insurance, and a 401(k) plan
- Relocation assistance package
- Ownership potential

*All resumes and inquiries will be received in confidence*
JOB OPENING

MECHANICAL/HVAC ENGINEER
Syracuse, NY

C&S Companies, operating for nearly 50 years, is a national planning, design and construction firm with over 400 employees and growing. C&S Companies delivers critical infrastructure design, planning and construction services in aviation, civil/site infrastructure, construction and program management, construction/design-build, energy, environmental, facilities, architecture, planning, sustainability and transportation.

Our headquarters is in Syracuse, NY with offices in New York State, California, Arizona, Ohio, Michigan, Florida and Pennsylvania.

At C&S Companies, we believe work environment, culture, and the opportunity to learn and grow are key elements when considering a new job. We are just the right size to provide the resources and support you need without the burdensome bureaucracy of a large corporate environment. To that end, we foster a family-friendly and supportive workplace; collaborative and employee-focused with an emphasis on quality, integrity, trust, fun and accountability.

Check out our last opportunity...you will be glad that you did! To learn more about C&S Companies please visit us at www.cscos.com

Position Overview

C&S Engineers, Inc. is seeking a Mechanical/AVAC Engineer in our Syracuse office to provide mechanical design engineering in heating, ventilation and air conditioning (HVAC) building systems. We are looking for and individual with HVAC experience, who is a self-starter and is highly motivated to work in a team environment on multi-discipline projects. Experience and/or interest in assisting with plumbing and fire protection design is highly desirable. This opportunity includes a great combination of inside and field-based activities. Most site visits involve local travel with occasional out of town travel for short periods.

Required Knowledge/Skills/Abilities

- Minimum three years of related experience with preference for applicants with industrial/manufacturing, commercial and aviation experience.
- Bachelor’s degree in Mechanical Engineering from an accredited engineering program.
- EIT certification (or intent to pursue in near future).
- Experience with Autodesk Revit and AutoCAD.
- Must have current HVAC design experience (experience and/or interest in plumbing and fire protection design is highly desirable).
- Self-starter and highly motivated to progress in career path with a growing firm.
- Effective time-management, written and oral communication, analytical, and interpersonal skills.
- Ability to provide value-oriented design suggestions, review drawing and documents to assure compliance with company design & production standards.
- Experience in contract document preparation, ability to read construction plans and specification and general knowledge of construction administration.

To learn more about C&S Companies please visit us at: www.cscos.com

C&S in an Equal Opportunity Employer/Protected Veterans/Individuals with Disabilities.
Job Posting: Senior Mechanical Engineer – Buildings – Endicott, New York

The buildings that make up the landscape of our daily lives seem like permanent fixtures, fastened to a time and place. But what if that didn’t have to be true? What if our built environment — where we live, learn, play, and conduct business — carried us forward instead?

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 other's talents, do exciting work, and make an impact on the world around us. Join us and redefine your personal best.

Job: Mechanical Engineer

Primary Location: United States-New York-Endicott
Employee Status: Regular
Job Level: Individual Contributor
Travel: No
Schedule: Full-time
Job Posting: Aug 15, 2018, 7:49:06 AM
Req ID: MIG-34052

To apply, please visit the job posting on Stantec’s website.