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NOVEMBER 2017

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ASHRAE CNY CHAPTER PROGRAM SCHEDULE

November 07, 2017 - YEA Bowling Event:
Time: 5:30 pm
Location: Flamingo Bowl, 7239 Oswego Road, Liverpool, NY 13090
Registration: https://ashraecny.wildapricot.org

November 08, 2017 - ASHRAE CNY Chapter Monthly Meeting:
Time: 5:30 am - 8:00 pm
Location: Dinosaur BBQ, 246 W. Willow Street, Syracuse, NY 13202
Presenter: RL Stone
Program: Energy & Flow meas. For Hydronic Sys. PDH Credit: 1
Reservations: RSVP via our website https://ashraecny.wildapricot.org

November 13, 2017 - ASHRAE CNY Engineering Expo:
Time: 8:00 am - 5:00 pm
Location: Oncenter, 800 S. State Street, Syracuse, NY 13202
Registration: RSVP via www.cscos.com/engineeringexpo/

December 13, 2017 - ASHRAE CNY Chapter Monthly Meeting:
Time: 5:30 am - 8:00 pm
Location: Dinosaur BBQ, 246 W. Willow Street, Syracuse, NY 13202
Presenter: Eagle Bay Refrigeration
Reservations: RSVP via our website https://ashraecny.wildapricot.org

Chapter Officers

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Chapter Refrigeration Chair - Charles Bertuch
Tel: (315) 991-3833
Email: cbertuch@bergmannpc.com
The President's Message

I would like to start by thanking Geoff Sincavage our Program Chair for setting up a great program on Sensorless pumping which had a great turn out. This month’s meeting will be at the Dinosaur and it will be on metering presented by R.L. Stone. So go on the CNY Chapter’s website and make your reservation now. We held our first back to basics program on October 19th and was attended by 40 people. I would like to say thank you to Mark Yonnick and FW Webb for hosting this and making it so successful and hopefully hosting another one in the near future. This month we will be having Student Activities night and will be presenting Thomas Guilfoil with a scholarship. Please plan on attending and supporting our student branches with in the Chapter. Our Chapter will be doing a sustainability project in the community and if want to volunteer your time or make a charitable donation please contact Charlie Bertuch or myself. I hope everyone enjoyed last month’s program and hope to see you at this month’s program.

Sincerely,

Steven Sill,
CNY ASHRAE Chapter President

Program Chair Report

We had a great turnout for our first official meeting at the Dino on Sensorless Pumping as well as our PHD training session about “Back to Basics of Steam” presented by FW Webb. I hope this trend will continue into the rest of our year. Our next meeting and presentation will be in a few weeks on Energy and Flow Measurements for Hydronic Systems by RL Stone. For more details please see our website.

-Geoff Sincavage, Program Chair
On October 19, the CNY ASHRAE Chapter offered “Steam and Condensate Basics Training”, hosted by FW Webb in Syracuse.

Daryl Schoellkopf, Mgr. of FW Webb Energy Systems Division, presented a comprehensive review of steam generation, distribution and end-user / device utilization. Additionally, condensate recovery methods were discussed as well as proper selection and application of steam trapping devices.

The presentation offered 1.5 PDH credits and attendees included area Universities and Engineering firms as well as HVACR staff from Healthcare and Manufacturing facilities.

Daryl will also be presenting on the topic of “Positive Condensate Drainage from Heat Transfer Equipment under Modulating Process Conditions” at the 14th Annual CNY Engineering Expo on November 13th at the Downtown Oncenter. This presentation will also offer PDH credit(s).

-Mark Yonnick
I thought for this month’s newsletter I would look for an article in the mainstream news media that addresses HVAC. Does anybody outside of the industry know or care about what effects our industry has on issues such as global warming, energy conservation, etc? So, I Googled “HVAC in the mainstream media”, and one of the first hits I got was an article that is actually close to my heart.


The reason this article is close to my heart is that it highlights the work of Willis Carrier and the beginning of air conditioning “as we know it.” The article points out that Carrier helped solve a printing problem for a lithography company when he realized that circulating air over a coil filled with compressed ammonia could maintain relative humidity at a constant 55%. Carrier solved this “industrial” issue while working for Buffalo Forge in 1902 – the same company I started my career with in 1993! What is interesting to me is that the article also points out that Carrier’s solution at the time had nothing to do with human comfort. It was only later that he used the same concept to revolutionize the HVAC industry. Necessity is the mother of all invention. Who knows what will spark next great invention for HVAC?

The article goes on to list some of the many benefits modern HVAC brings to today’s world. But it also cautions that it adds to overall energy consumption at the same time. Our obligation is to minimize our carbon footprint to the best of our ability while at the same time improving our living and working (producing) environments. And who knows, maybe the next great invention is just around the corner.

- John MacBlane, CTTC
  jmacblane@ipdengineering.com

STUDENT ACTIVITIES UPDATE

This past month Student Activities has been working with Trane to secure two 5 Ton Roof Top units and a mini split that are to be given to the Canton campus HVAC department as an equipment donation for the student to work on. We are also working on getting Seaway Tech Center students and teacher to become student members.

- Richard D’Ambrosia, Student Activities Chair
NY ASHRAE Day On the Hill

New York State has the most local chapters in society, with 8 chapters located in the Empire State. A day on the hill in Albany to advocate for ASHRAE related issues for all New York chapters is in the works for this spring. More info is forthcoming. If you would like to participate in the effort contact the GGAC chair at bhall@karpinskieng.com.

Society News

On September 26, ASHRAE joined with 25 other organizations and businesses in signing a letter to the U.S. Senate and U.S. House of Representatives urging them to support energy efficiency programs by providing clarity in funding bills and robust oversight in agency spending. Giving specificity in appropriations bills will help ensure that funds are spent in the way Congress intends, be it for technical assistance, research, development, demonstration or commercialization programs. Copies of these letters can be found here.

ASHRAE also joined a group of 70 technical associates in sending a letter to the Trump administration expressing concern with administration’s executive orders and statements seeking to "discourage many of the best and brightest international students, scholars, and scientists from choosing the United States as the ideal nation for studying and working, attending academic and scientific conferences, and seeking to build new businesses." The entire letter can be read here:

National Grid launches geothermal demonstration project in Glenwood Village

From riverheadlocal.com

Ten homeowners in Glenwood Village will have their heating and cooling bills reduced thanks to the free installation of geothermal clean heating and cooling systems as part of a demonstration project by National Grid and the New York State Energy Research and Development Authority.

National Grid installed a shared community loop field system underground in a common recreation area in Glenwood Village and then connected 10 surrounding homes to the system, installing in each home the equipment needed to utilize the system.

The homes have been heated with propane gas and cooled by electric air conditioning units.


-Brendan Hall, Government Affairs

MEMBERSHIP PROMOTION REPORT

Please Welcome Our Newest Members:

Mr. Paul K Francis
Mr. Ernice A Mitchell
Mr. Braiden Sunday
Mr. Damon Oakes
Mr. Mark G Miller
Jake Strawhecker

If you need to renew your membership, or have a friend that would like to join our Chapter please visit https://www.ashrae.org/membership--conferences/join-now.

Please feel free to contact Derek Birdsall Chapter MP at 315-726-2255 with any questions.
Application for Student Membership

Join online at www.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 and the quarterly High Performing Building Magazine
- 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.
1. Contact Information. □ Mr. □ Miss □ Ms. □ Mrs. *Birthday (required) _______ / _______ / _______  

Name __________________________________________ ____________________

(First) (Last)

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

Address ______________________________________________________________

____________________________________________________________________

City __________________ State/Province____ City __________________ State/Province____

Zip/Postal________ Country________________________ Zip/Postal________ Country________

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
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 ($206)
Available to anyone with 12 years or more ASHRAE approved experience in the HVAC&R industry.

Associate Member ($206)
Available to anyone with less than 12 years of ASHRAE approved experience in the HVAC&R industry.

Affiliate Member
($52 first year; $78 second; $103 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).

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.

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, including the ASHRAE Journal and ASHRAE Research archives
- 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 www.ASHRAEjobs.com

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, on ASHRAE technical committees, and ASHRAEExchange.org
- Participate in your local chapter or regional meetings and events

Code of ethics: By submitting this application you are agreeing to abide by the ASHRAE Code of Ethics, found at ashrae.org/codeofethics.
ASHRAE MEMBERSHIP APPLICATION. Please complete each applicable section. Prices valid from 7/01/2017 - 6/30/2018.

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 ashr ae.org.
□ Member — $206 (must complete section 2a)
□ Associate Member — $206
□ Affiliate Member — $52 first year/$78 second/$103 third (new members, under 30)
□ Reinstated 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
________________________________________________________________________
________________________________________________________________________
Employer Location Dates of Employment Position/Title
________________________________________________________________________
________________________________________________________________________
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? __________
A- President B- Purchasing C- Partner D- Associate E- Owner F- Vice President G- VP Engineer H- Chief Engineer I- Engineer/Jr. Engineer L- Project/Application Engineer O- Facility Mgr./Mgr. R- Sales Engineer
Which best describes your firm? ________
Which best describes your function? ________
1- Design/Application 2- Manufacturing 3- Maintenance Operations 4- Management

4. Areas of HVAC&R Interest. Inter the code for your area of interest from the list below:
Code: __________
Heating A- Hydronic B- Forced Air C- Steam D- Process E- Service Water F- Solar G- Radiant
Refrigeration H- Air Conditioning 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- HVAC

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.
Our last meeting was exciting and those members present continue to enjoy the benefits of our great organization by expanding their knowledge through the main programs, experiencing the social relationships and networking opportunities and keeping up with all the news in our community.

The meeting was held at the Dinosaur BBQ and we had a great turnout and a surprise participation of 16 students who came from BOCE’s adult education HVAC program. We also had a great program on new technology in Sensorless Pumping. 1 PDH credit was also given to those in attendance. NE HVAC was the presenter of the program and sponsor of our social hour. Thanks to NE HVAC.

On Saturday October 14th the Steamboat Challenge held its annual event at the MOST and again it was a great success. The event started with a presentation from Dr. Benjamin Akih-kumgeh, Department of Mechanical and Aerospace Engineering from Syracuse University. His presentation was on “Making the world more sustainable through clean and efficient heat engines”. For the competition, this year, we included 3 divisions. Div 1 was for grades 4 – 6, Div 2 for grades 7 & 8 and Div 3 for grades 9 – 12. Over 30 teams, from most of the local schools, participated in the event and once again, ASHRAE is supporting the STEM programs in our community. The event would not be possible if it was not for the support of our sponsors (OGB, MOST and TACNY) and all the volunteers. Many thanks to our supporters and volunteers.

(Continued on page 12)
Finally, the Sustainability committee reviewed four proposed projects for 2017. All the projects were great and worthy of being selected but only one project can be done and the project selected was submitted by Steve Sill for Oswego County Opportunities. The project is in Fulton, NY and will start very soon. It will be to improve the HVAC systems and other sustainability projects for a 1900 Victorian Home being used for the Transitional Living Program. Please see what you can do to be part of this great cause.

Please check the other parts of the newsletter for the great program being planned for our future meetings. If you have any important news related to our chapter or any of its members, please forward the information to me via email to Assis M. Flores at email address: aflowers@twcny.rr.com. If you need to talk to me, please call me on my cell phone: (315)480-3376.

I look forward to seeing you at our regular monthly meetings.

Assis M. Flores – Chapter Historian
At our October meeting, the CNY ASHRAE Board of Governors voted to move forward to support a major project at the Oswego County Opportunities (OCO) Transitional Living Center in Fulton. This project was in response to a Society challenge for Chapters across the country to sponsor community sustainability projects in conjunction with non-profit organizations. While several worthwhile projects were considered, the OCO project offered the greatest opportunity to engage ASHRAE members and make a positive impact on the community. The BOG approved the expenditure of up to $20,000 towards the project.

OCO is a private, nonprofit human service agency that has been supporting communities throughout Oswego County since 1966. Over a year's time, OCO touches the lives of nearly 28,000 people in Oswego County. OCO, Inc. remains steadfast in the efforts to provide educational services to the young, support for youth, assistance for the homeless, meals for the elderly, health care for the whole family, guidance for those diagnosed with a mental illness, housing for the disabled, safety for the abused as well as transportation.

The goal of our project is to improve occupant comfort and save energy costs related to the HVAC, plumbing, lighting and building envelope at the Transitional Living Program Home in Fulton. The 4,600-square foot two-story Victorian home was constructed in 1898, and houses up to 10 clients with have mental health issues such as bi-polar and depression. The program teaches these individuals how to live independently in a community setting.

At an initial walkthrough of the property, several areas for improvement were identified. These include replacement of the existing steam boiler/radiator system with a gas-fired furnace; state-of-the-art thermostat controls; improvement in the existing air distribution system; replacement of outdated domestic hot water systems; lighting upgrades; energy efficient refrigerators and freezers; weather sealing; and wall insulation.

While our modest budget represents a substantial investment by the CNY Chapter, it cannot by itself meet many of these needs. To that end, we are actively recruiting engineers, contractors, suppliers, and trade schools to help support this project. We have received positive feedback from many that may be able to offer donated or reduced-cost products and services. As plans develop, we will have a better idea of the exact needs, and will be actively soliciting help from the HVAC industry. Regular updates will be provided at our monthly meetings, on the Chapter website, and through this newsletter.

Please reach out to Chapter President Steve Sill at c010@ashrae.net for more information, or to see how you can help.

Charles Bertuch, Chapter Refrigeration Chair
2017 CNY Steamboat Challenge was held at the Museum of Science and Technology (MOST) on Saturday, October 14. About 200 participants joined this annual STEM student event, and 34 teams — local students from 4th to 12th grade — raced in this year’s Steamboat Challenge race.

2017 CNY Steamboat Challenge was organized ASHRAE CNY Chapter with partnership from OBG, MOST, and TACNY. Volunteers from these organizations and companies made the 2017 CNY Steamboat Challenge program possible, which includes STEAM exhibition at the Great New York State Fair, Train-the-Trainers workshop, and the final race at the MOST on Saturday, October 14th.
Congratulations to our 2017 CNY Steamboat Challenge winners:

Division I (4th – 6th Grade)

1st place: Team Krimp Boat. Bridget Mahan (5th) & Matthew LaCombe (5th) Morgan Road Elementary School. Race Time 0:44.

Division II (7th – 8th Grade)

1st place: Team The Cheetah. Tahirah Abdul Qadir (8th) & Michael Scheer (8th) from Syracuse Academy of Science Charter School. Race Time 0:36.

Division III (9th – 12th Grade)

1st place and overall Admiral Award: Team Supreme. Joshua Koshy (9th) & Jade Paul (8th) & Niah Dennis (10th) from Faith Heritage School. Race Time 0:15.
2nd place: Team Hopefully This Works. Justin Stokes (12th) & Joe Schmoe (12th) from Cicero North Syracuse High School. Race Time: 0:16.
3rd place: Team Tessa Boat. Umesh Dahal (9th) & Lalita Dahal (11th) from Syracuse Academy of Science. Race Time: 0:19.
Congrats to all the 2017 CNY Steamboat Challenge winners again, especially the Admiral Award winner Team Supreme! Check out all the other creative team names from our Challengers: The Squish Squids, Dub Nation, SS Entropy, Floaty Boaty, Steamboat Dreamboat!, Hot and Stamy, Team Maroon, The Shockers, The STEMinists, NB Class, Titanic was a lie, OOPS there is an iceberg, H2 OH NO, Silverado, The Floating Atoms, Boaty McBoatFace, The Flash, The Black Pearl, The Three Musketeers, Girl Power, Pink Kitty Lovers, Skipping Band 4 This, The Speedy Soda Can, Usain Boat, and BCS Boats.

Some event photos can be found on ASHRAE CNY Facebook page.

About CNY Steamboat Challenge:

Purpose: ASHRAE CNY Chapter collaborates with local schools and community organizations to motivate and encourage youth to pursue Science, Technology, Engineering and Mathematics (STEM) education and careers by demonstrating innovative applications of STEM principles.

The Steamboat Challenge program to date has reached 30+ schools across the CNY area including high-needs schools and has provided 1,000+ students & educators with opportunities to participate in STEM-focused hands-on learning activities.

Chonghui Liu (CL)

CNY Steamboat Challenge committee
Join ASHRAE CNY Chapter at the 14th Annual CNY Engineering Expo

Please join ASHRAE CNY Chapter at the 14th Annual CNY Engineering Expo. This year, ASHRAE CNY Chapter sponsored Mechanical/HVAC/Energy session features the following 6 presentations:


About 2017 CNY Engineering Expo:

The Central New York Engineering Expo (CNY Expo) is a daylong symposium featuring a variety of technical presentations. Each of the sessions offers continuing education credits for NYS-licensed professional engineers, and features discussions on current technical standards, new technologies, and unique projects by talented professionals. The event is open to the public, is a great venue for networking, and has attracted thousands of attendees across the Northeast.

Heading into its 14th year, the 2017 CNY Expo will again be held at the Nicholas J. Pirro Convention Center (The Oncenter) in Downtown Syracuse. This year’s Expo will feature about 45 technical presentations. This year’s keynote session will feature Technology Ethics on current engineering practice.

This year’s Expo is being sponsored by the CNY Chapter of NYSSPE. The CNY Expo Steering Committee is made up of representatives from area non-profit technical organizations including ASHRAE, SFPE, ASCE, IEEE, NSPE & IES.

The 14th Annual CNY Engineering Expo schedule, additional sponsorship and exhibitor opportunities, registration information, and a complete schedule of events can be found at: http://www.cscos.com/engineeringexpo/.

Register now as individual for the November 13, 2017 CNY Expo.

Register now as sponsor/exhibitor for the November 13, 2017 CNY Expo. (Register early to reserve the preferred exhibition location!)

I hope to see you at the HVAC/Energy/Mechanical sessions at CNY Expo!

Chonghui Liu (CL)
CNY Expo Committee
### Seminars

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<th>Time</th>
<th>Location</th>
<th>Subject</th>
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<tbody>
<tr>
<td>9:30 - 10:30</td>
<td>Exhibit Hall A</td>
<td>Geometric Disturbances of the Power System: The NFRC Geometric Disturbance Resiliency Standards for Utilities</td>
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<td>John Freeman, PE, CE Plastics Group</td>
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<td>9:30 - 10:30</td>
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<td>H. Michael Heiny</td>
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<td>9:45 - 10:45</td>
<td>Exhibit Hall A</td>
<td>Geometric Disturbances of the Power System: The NFRC Geometric Disturbance Resiliency Standards for Utilities</td>
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<tr>
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<td>James Faggersten</td>
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<tr>
<td>10:45 - 11:45</td>
<td>Exhibit Hall A</td>
<td>Geometric Disturbances of the Power System: The NFRC Geometric Disturbance Resiliency Standards for Utilities</td>
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<td>Charles Smith</td>
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### Exhibits

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Exhibitor</th>
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<tbody>
<tr>
<td>8:00 - 11:00</td>
<td>Exhibit Hall A</td>
<td>Thermoplastic Piping</td>
</tr>
<tr>
<td>9:00 - 11:00</td>
<td>Exhibit Hall A</td>
<td>Smart Grid Integration and Operation Optimization</td>
</tr>
<tr>
<td>9:00 - 11:00</td>
<td>Exhibit Hall A</td>
<td>Geothermal 101: GHP for Beginners</td>
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<tr>
<td>10:00 - 11:00</td>
<td>Exhibit Hall A</td>
<td>BOC Compliance Strategies and Solutions</td>
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<tr>
<td>10:00 - 11:00</td>
<td>Exhibit Hall A</td>
<td>High Pressure Water Efficiency Programs</td>
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<tr>
<td>11:00 - 12:00</td>
<td>Exhibit Hall A</td>
<td>The Science Behind Thermal Separation</td>
</tr>
<tr>
<td>11:30 - 12:30</td>
<td>Exhibit Hall A</td>
<td>Structural Building Condition Reviews Beyond Distress</td>
</tr>
<tr>
<td>12:30 - 1:30</td>
<td>Exhibit Hall A</td>
<td>Concrete Tilt Wall Design &amp; Construction</td>
</tr>
<tr>
<td>1:30 - 2:30</td>
<td>Exhibit Hall A</td>
<td>Food-Protected Shallow Foundations Design &amp; Construction</td>
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### Exhibitors

<table>
<thead>
<tr>
<th>Company/Institution</th>
<th>Contact Name</th>
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<tr>
<td>C&amp;S Companies</td>
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<tr>
<td>Vision Engineering</td>
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<tr>
<td>National Grid</td>
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</table>

### Exhibitor Information

- **C&S Companies**
  - **Address**: 800 South State St., Syracuse, 13202
  - **Registration**: 7:00 AM - 8:00 AM
  - **Event**: 8:00 AM - 5:00 PM
  - **Contact**: 315-465-1972

- **Vision Engineering**
  - **Address**: 800 South State St., Syracuse, 13202
  - **Registration**: 7:00 AM - 8:00 AM
  - **Event**: 8:00 AM - 5:00 PM
  - **Contact**: 315-465-1972

- **National Grid**
  - **Address**: 800 South State St., Syracuse, 13202
  - **Registration**: 7:00 AM - 8:00 AM
  - **Event**: 8:00 AM - 5:00 PM
  - **Contact**: 315-465-1972

- **Power Sales Group**
  - **Address**: 800 South State St., Syracuse, 13202
  - **Registration**: 7:00 AM - 8:00 AM
  - **Event**: 8:00 AM - 5:00 PM
  - **Contact**: 315-465-1972

- **Vision Engineering**
  - **Address**: 800 South State St., Syracuse, 13202
  - **Registration**: 7:00 AM - 8:00 AM
  - **Event**: 8:00 AM - 5:00 PM
  - **Contact**: 315-465-1972

- **Concrete Tilt Wall Design & Construction**
  - **Address**: 800 South State St., Syracuse, 13202
  - **Registration**: 7:00 AM - 8:00 AM
  - **Event**: 8:00 AM - 5:00 PM
  - **Contact**: 315-465-1972
TUESDAY, NOVEMBER 7TH
@ 5:30 PM
BOWLING AND NETWORKING AT FLAMINGO BOWL

Join us for bowling and networking at Flamingo Bowl in Liverpool. We plan to play two games, ASHRAE will cover the cost of bowling and shoes for everyone. Feel free to bring a guest. Please RSVP on our website so we know how many lanes to reserve.

Although this is a YEA (those under 35) event, members over 35 are cordially invited.

Contact Matt Clark for assistance with reservations or any questions: c010yea@ashrae.net
ASHRAE Society Scholarships Available for 2018-2019

As students return to school this fall, please let them know that scholarship money is available from ASHRAE to help them further their education in HVAC&R engineering & technology as it pertains to the built environment industry. Over the course of 29 years the Society has awarded nearly $2 million to nearly 400 deserving students. A total of 33 Society scholarships are available for the 2018-2019 academic year.

Applications are now being accepted for ASHRAE’s Undergraduate Engineering, Engineering Technology, Regional/Chapter, and University-Specific Scholarships. All applications must be submitted on or before December 1, 2017 to receive consideration; this includes the Engineering Technology Scholarships (formerly accepted on or before May 1). The scholarships range in value from $3,000 to $10,000. For a complete list of scholarships, eligibility criteria, and application materials, please visit [www.ashrae.org/scholarships](http://www.ashrae.org/scholarships) and share this link with qualified and interested students.

Thank you for your support. For questions, please contact lbenedict@ashrae.org or call 678-539-1120 (direct).

"Because of your gift, I will be able to continue to study engineering. Additionally, your generosity has set an example for me to follow; to use the resources I have been given to help others. This is the greatest responsibility we have to each other, and I will do my best to fulfill it. Thank you."

_Daren Epperson, University of Texas, Mechanical Engineering, ASHRAE Region VIII Scholarship, 2017-2018_
JOB OPENINGS

NORTHEAST HVAC SOLUTIONS, INC.
MANUFACTURERS’ REPRESENTATIVE OF HEATING, VENTILATING & AIR CONDITIONING

898 ROUTE 146 • PO Box 425
CLIFTON PARK, NY 12065
Phone: 518-383-2111
Fax: 518-383-6254

13 DWIGHT PARK DR • PO BOX 236
SYRACUSE, NY 13209
Phone: 315-451-1430
Fax: 315-451-5343
Email: salesandservice@nehvacSolutions.com
www.neHVacSolutions.com

HVAC Sales Engineer:
Currently Northeast HVAC Solutions, Inc. is in search of an HVAC sales engineer to join our team at our Syracuse branch location. This is an opportunity to be involved in all aspects of the HVAC equipment sales cycle. The individual would be responsible for all and/or a component of design, take-off, pricing, proposal, order close, submittal preparation, etc. Compensation package is negotiable based on past experience and proven results. If interested, please submit resume and references in confidence to klemens@nehvacSolutions.com
All information submitted will remain strictly confidential.

Required Skills and Experience:
• BA degree in mechanical engineering or HVAC design or equivalent experience preferred
• P.E. license desired but not necessary
• Possess a solid understanding of Cooling Towers, Pumps and Air Distribution
• Proficient in all Microsoft Office Suite programs
• Established sales aptitude
• Excellent work ethic
• Self-starter with entrepreneurial spirit and strong organizational skills
Product Manager – Hydronic Systems

ECR International, Inc., a manufacturing company in the USA that is part of the BDR Thermea Group, a world leading manufacturer of smart climate and sanitary hot water solutions operating in 82 countries worldwide, is seeking a Product Manager for our USA operations located in Utica, New York. The ideal candidate will have extensive experience in project management and utilizing a system like ECR’s stage gate process. Experience within the HVAC industry or within a distributor/dealer based business is a plus but not required. Key roles include:

**Product Development**
- Research and analyze market conditions. Identify key competitors within the market segment.
- Work closely with engineering, sales and key customers to define product requirements and product specifications necessary to meet market demands.
- Ensure voice of customer is addressed throughout the development process.
- Lead cross functional development teams and manage the project on time, to budget and to specifications. Resolve issues and mitigate risks that are identified during the development process.
- Prepare product documents related to the stage gate development system and conduct stage gate decision making meetings.
- Defining long term product strategy and create product roadmap.

**Product Marketing**
- Develop product marketing plan and ensure all necessary sales and technical documentation and presentations are in place. Develop sales tools and sales training materials.
- Outline product launch plan including advertising and promotional elements.
- Support sales team by collaboratively identifying promotional opportunities.
- Attend trade shows and interact with dealers, distributors and sales staff. Use customer feedback to inform product refinements and ongoing development.

Candidate skills include strong oral and written communications, marketing creativity and the ability to multi-task. Candidate should be organized, motivated and be able to complete assigned projects in a fast paced environment. Require proficiency in Excel, PowerPoint, Word, and Adobe Suite. Bachelor Degree in related field of study required. We offer a competitive salary, full company benefits including health insurance, vacation, 401K and profit sharing. Some overnight travel is required.

Please send Resume with Salary History to:
careers@ecrinternational.com
BEARDSLEY ARCHITECTS + ENGINEERS

Sr. Mechanical (HVAC) Engineer

Beardsley Architects + Engineers is seeking a Senior Mechanical Engineer with the ability to provide full design services to our broad range of clients and diverse project types. Candidates must be able to perform and oversee engineering evaluations and analysis, design drawings, technical specifications and cost estimates across all facets of mechanical engineering including HVAC, controls, piping, ductwork, plumbing, fire protection, energy calculations and commissioning. A strong working knowledge in the application of fluid dynamics, heat transfer, mechanical power systems and digital control systems is required. Responsibilities include the supervision of HVAC, plumbing and fire protection engineering and design staff. Additionally, experience working with other disciplines including architects, structural, electrical and civil engineers is desired.

Mechanical Engineer I

Beardsley Architects + Engineers, a Central NY A/E firm seeks self-motivated Mechanical Engineer I with Revit experience to join our Mechanical, Electrical and Plumbing Design Team with a Bachelor’s degree (B.S.) in Engineering or an Associate’s degree (A.S.) in Computer Design/Drafting or equivalent experience in Revit design/modeling. Experience with Revit and AutoCAD software to develop MEP designs is required. Candidates must be able to prepare clear, complete and accurate Engineering plans and details from rough or detailed sketches, drawing mark-ups or verbal instructions; utilizing knowledge of Engineering drafting practices, CADD technology, building materials, equipment and construction technology.

Check out our website at www.beardsley.com for more information.
Send resumes to jobs@beardsley.com.