May Chapter Meeting
May 19, 2015

Energy Conservation Initiative Cornell Renewables
Tour:
Cornell University LEED Gold Weil Hall Biotechnology

Tour Guide and Presenters:
W. S. (Lanny) Joyce, PE, CEM
Mark Howe, PE, CEM

To register, visit the Chapter website:
http://twintiers.ashraechapters.org
and select the “Programs” page.

Please send all newsletter comments to:
Andrew Nice, Editor
c/o Meier Supply Co.
275 Broome Corporate Parkway
Conklin, NY 13748
anice@meiersupply.com
Dear Twin Tiers Chapter Members,

With a little teaser of summer heat, everyone is excited and ready for summer weather! With the warmer weather brings the end of our 2014-15 ASHRAE year. And what a great year it has been!

Our annual spring engineering symposium went off without a hitch! I heard great reviews of the event and presentations. Thank you to Vice-President Travis Fisher for all his hard work, and thank you to all who attended! We hold this event to support our fellow engineers in their continuing education requirements, and the valuable positive feedback reminds us that it is appreciated.

This month we will travel to Ithaca for our final official chapter meeting of the year. We will be touring the LEED Gold Weill Hall at Cornell University. We are honored again to be led and lectured by Lanny Joyce and Mark Howe. I always look forward to hearing their useful insight!

Don’t forget to mark your calendars for our Annual Golf Tournament and Clambake on June 16th. We will be holding it at Vestal Hills this year, and it will be immediately followed by our Clambake at Mountain Top Grove!

I hope to see you all there!

Best regards,
Andrew Nice
Twin Tiers Chapter President
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

Twin Tiers Chapter

Presidential Award of Excellence (PAOE)

<table>
<thead>
<tr>
<th>Membership Promotion</th>
<th>Student Activities</th>
<th>Research Promotion</th>
<th>Historical</th>
<th>Chapter Operations</th>
<th>Chapter Technology</th>
<th>Grassroots Government</th>
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<td>MIN/PAR</td>
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<td>600</td>
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<td>625</td>
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</table>

4,795 POINTS CURRENT AS OF 5/14/2015

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mmcginnis@rlkistler.com
(607)727-3168
### Twin Tiers Chapter– Monthly Meeting Information

#### 2014-2015 Meeting Dates:

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Tech Session Topic, Tour or Meeting Info</th>
<th>Attendance</th>
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</thead>
<tbody>
<tr>
<td>16-Sep</td>
<td>Rick Allabaugh/Andy Nice</td>
<td>UMH Hilltop VRF Tour &amp; Presentation</td>
<td>28</td>
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<tr>
<td>21-Oct</td>
<td>Various / TBD</td>
<td>Fall Engineering Symposium - Daytime</td>
<td>-</td>
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<tr>
<td>21-Oct</td>
<td>Seth Weisel</td>
<td>Galaxy Brewing Tour</td>
<td>25</td>
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<tr>
<td>18-Nov</td>
<td>Casey Bernhard, Ali Raza, &amp; Rob VanSkiver</td>
<td>Energy efficiency improvements Related to Server Performance, IT Requirements and Power Usage</td>
<td>28</td>
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<tr>
<td></td>
<td></td>
<td>Theme: History Night</td>
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<tr>
<td>20-Jan</td>
<td>Art Studer / Chuck Gaylord</td>
<td>Ice Rink Tour &amp; Presentation Theme: Membership/Refrigeration/Student/YEA Night</td>
<td>23</td>
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<tr>
<td>17-Feb</td>
<td>Richard Miller / Danny Miller</td>
<td>Case study of transforming “dumb” roof top units to energy efficient machines. It is brain surgery. Theme: Research Promotion</td>
<td>36</td>
</tr>
<tr>
<td>17-Mar</td>
<td>Jason Gilbert</td>
<td>Binghamton University Tour &amp; Presentation Theme: Student/YEA Night</td>
<td>28</td>
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<tr>
<td>21-Apr</td>
<td>Multiple/TBD</td>
<td>Spring Engineering Symposium—Daytime</td>
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<tr>
<td>19-May</td>
<td>Lanny Joyce</td>
<td>Cornell University LEED Gold Weill Hall Biomedical Lab Tour &amp; Presentation Theme: Membership Promotion</td>
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<tr>
<td>16-Jun</td>
<td>None</td>
<td>Golf Tournament</td>
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NOTE: Speakers and topics are subject to change based on availability.
May Chapter Meeting – Membership Promotion Night

PRESENTATION: Energy Conservation Initiative Cornell Renewables (1.0 PDH-Pending)

We’ll tour Weill Hall (LEED Gold) biotechnology (lab design) building. Afterwards, the presentation gives a campus-wide analysis of the costs and benefits of the Energy Conservation Initiative and Cornell’s Renewable Energy. Project highlights focused on recent sustainable upgrades at Riley Robb, CU-Veterinary Medical College, Athletics LED lighting upgrades. This presentation will also focus on future ECI’s and Cornell’s Climate Action Plan.

SPEAKERS: W. S. (Lanny) Joyce, PE, CEM, Director of Utilities and Energy Management for Cornell University. Mark Howe, PE, CEM is the Campus Energy Manager for Cornell University.

DATE: Tuesday, May 19th, 2015
TIME: 5:15 PM
TOUR LOCATION: Weill Hall Lobby, Cornell University
AGENDA:
5:15 – 6:15 – Tour of Weill Hall
6:15 – 6:45 – Social 1/2 Hour (OPEN BAR provided by Victaulic, Travis LeBrun)
6:45 – 7:30 - Dinner and Brief Chapter Meeting
7:30 – 8:30 – Presentation by Lanny Joyce and Mark Howe

DINNER LOCATION: Moakley House, Robert Trent Jones Golf Course at Cornell

MENU: Buffet Dinner (Chicken Piccata and Maryland Crabcakes) salads, rolls, dessert and coffee, tea, or water.

REGISTRATION: $25.00 Early Registration (By 5/15/2015)
$30.00 (After 5/15/2015)

CONTACT: Doug Breese
dbreese@labellapc.com
(607) 793-3341 cell
Tour MAP:

**Driving Directions:** *(Cornell University Ithaca, New York)*

**From the South (Binghamton):** Take Route 81 north to exit 8 Whitney point. West on Rt79 for 28 miles to Ithaca, NY. Turn RIGHT onto Pine Tree Rd till you get to Rt 366. Turn left onto Rt366 and stay on to Hoy Rd.

**From the Northeast (Syracuse):** South on I-81 Exit 12 at Cortland/Homer. Rte 281 South to Rte 13. South on Rte 13 to Ithaca, NY. Rte 13 South to Rte 366. After NYSEG (electrical utilities) complex, turn left onto Rte 366. Follow to Hoy Rd in Cornell.

**From the Northwest (Buffalo / Rochester):** Take Route 390 east to Route 17 east to exit 65. Turn right at the stop sign. Bear left at the fork in the road toward Route 17C west. At the traffic light, turn right onto Route 17C. Owego Treadway Inn and Suites is on the left.

**From the East (Albany):** West on I-90 (NY State Thruway) to I-88. West on I-88 for 76 miles to Exit 8 for State Rte. 206 at Bainbridge, NY. West on State Rte. 206 for 25 miles to State Rte. 79 at Whitney Point, NY. West on State Rte. 79 for 28 miles to Ithaca, NY. Turn right onto Pine Tree Road. Continue to Rte. 366 (Dryden Rd) Turn LEFT on Rt366 and continue straight onto Hoy Rd.

**IMPORTANT:** Parking is free in designated areas after 5pm. Please read the signs. Do not park in any space marked MT or those with nighttime restrictions. It is a short walk from the Hoy Rd Parking Garage.
Driving Directions: (Moakley House Ithaca, New York)

Leaving the Hoy Rd Garage, turn left onto Hoy Rd and continue onto Rt 366 heading East (infront of the old boiler plant). Stay straight after STOP at Judd Falls Rd till just past the Cornell Orchards and turn left at the light, Caldwell Dr. Follow Caldwell Dr. till you go over SINGLE LANE BRIDGE in Forrest Home. After the bridge, turn right at Warren Rd and continue to the top of the hill. The Moakley House is the Robert Trent Jones Golf Course Clubhouse on your right. Watch for carts and golfers please. Spillover PARKING on shoulder of Bluegrass Ln.
# Annual Twin Tiers Golf & Clambake

## 2015 Golf Tournament & Clambake - Tuesday, June 16, 2015

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**Golf shot gun start at 10:00 AM & Clambake 4:00-8:00 PM**

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**Golf Tournament:**

- **Vestal Hills Country Club**
  - 3115 Webb Rd, Binghamton, NY 13903 • (607) 723-7579
  - Captain & Crew format: Includes greens fees, two carts, lunch at the turn, soft drinks, keg beer & prizes for winners. (Four-somes only)
  - For those of you looking for a twist on the typical 50/50 raffle, we will also be holding a putting contest to raise money for the chapter.
  - Denim shorts, skirts, jackets, and jeans are prohibited throughout the club’s facilities. Parties found in violation of dress code will be asked to change into acceptable clothing or purchase such from Pro Shop.

**Clambake:**

- **Mountain Top Grove**
  - 534 Hance Rd, Binghamton, NY 13903 • (607) 669-9191
  - Menus: The menu will include clam chowder, ribeye steak sandwiches, pork and beef BBQ sandwiches, sausage with onions and peppers, potatoes, corn, fresh salad, soft drinks, wine, beer, and Plenty of Rake and Steamed Hard Shell Clams
  - Great Door Prizes and 50/50 raffle to benefit Research Promotion

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**Captain’s Name & Company:**  

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For tickets or more information, contact:  

- **Mike McGinnis**  
  - mmcmginnis@hkistler.com
  - 41 Davis St, Binghamton NY 13905

- **Matt Hawley**  
  - Mhawley@airstemphvac.com

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<table>
<thead>
<tr>
<th>Package</th>
<th>Early Bird Price (on or before 5/12)</th>
<th>Regular Price (After 5/12)</th>
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<tbody>
<tr>
<td>Golf only (4 person team)</td>
<td>$250</td>
<td>$275</td>
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<tr>
<td>Golf, 4 Clambake tickets, Putting Contest for 4</td>
<td>$475</td>
<td>$525</td>
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<tr>
<td>Golf, 4 Clambake tickets, Hole Sponsor, Putting Contest for 4</td>
<td>$550</td>
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<tr>
<td>Hole Sponsor (includes 1 clambake ticket)</td>
<td>$110</td>
<td>$130</td>
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<tr>
<td>Clambake Tickets</td>
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<td>$60</td>
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**Note:** All forms and payment must be received by June 5, 2015  
Payment & Registration may be completed online @ [http://twintiers.ashraechapters.org](http://twintiers.ashraechapters.org) or you may send the registration form and a check to confirm your reservation.  
Checks should be made payable to Twin Tiers ASHRAE.
YEA Message

YEA: Young Engineers
Travis Fisher & Mike McGinnis

YEA will be hosting an event a tour of the J&K Pipe Shop followed by Bowling at Laurel Bowl. The events will take place on Tuesday, May 12. The pipe shop tour will start at 5:15 pm with bowling following at 6 pm. A formal announcement will be released with additional information.

If anyone has additional events or activities that they would like to see, please contact Travis or Mike. Thanks.

Travis Fisher & Mike McGinnis
tf222@cornell.edu, mmcginnis@rlkistler.com

CURRENT LOCAL MEMBERS:

<table>
<thead>
<tr>
<th>Evan Hallas</th>
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<tbody>
<tr>
<td>Alexandre P. Lovallo</td>
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<tr>
<td>Bryan D. Simpson</td>
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<tr>
<td>Saurabh K. Shrivastava, PhD</td>
</tr>
<tr>
<td>Timothy J. Envid</td>
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<tr>
<td>Christopher M. Shumeyko</td>
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<tr>
<td>Andrew D. Nice</td>
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<tr>
<td>Michael T. McGinnis</td>
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<tr>
<td>Joseph Parisella</td>
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<tr>
<td>Travis Fisher</td>
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<tr>
<td>Jacob A. Schatz</td>
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<tr>
<td>Stephen L. J. Wage</td>
</tr>
<tr>
<td>Devin Shapley</td>
</tr>
<tr>
<td>Timothy Fabian</td>
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<tr>
<td>George J. Slavik III</td>
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<tr>
<td>Richard Lance</td>
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</table>

The primary objective for the YEA Committee of Members Council is to enhance our member benefits for young professional ASHRAE members by identifying activities and services focused on their needs.

Young Engineers Event:
We had an awesome time at the driving range, mini-golf, then drinks and wings at a local pub. We learned 2 things; the older YEA members had no chance at out eating the new YEA members, and we should all stick to engineering!

Thanks for the great time! Keep an eye out for future events.
YEA EVENT

YEA Events
Travis Fisher & Mike McGinnis

Pipe Shop Tour at J&K Plumbing and Heating
Tuesday, May 12, 2015
5:15 pm to 6:00 pm
J&K Plumbing and Heating
24 Thorp St, Binghamton, NY 13905
Hosted by Allyn Jones – J&K Plumbing and Heating

Get a tour of a state of the art pipe shop. See the materials, fittings, and techniques that are used to make the piping systems that you design every day. Get an idea of what it takes to bring your design from paper to the real world. Although a YEA event, all ASHRAE members are welcome to attend.

YEA Bowling Night
Tuesday, May 12, 2015
6:00 pm to 8:00 pm
Laurel Bowl
137 Laurel Ave, Binghamton, NY 13905
Sponsored by ASHRAE Twin Tiers

Come meet and network with young area professions involved in the HVAC industry. This is a great opportunity to meet fellow ASHRAE members and begin building professional relationships. Shoe rentals, two games of bowling, and food will be sponsored by ASHRAE Twin Tiers. Although a YEA event, all ASHRAE members are welcome to attend.

Please RSVP by 5/8/15 via email to Travis or Mike (see below). Feel free to contact us with any questions as well. Thanks and we look forward to seeing you.

Travis Fisher
Tf222@cornell.edu

Mike McGinnis
mmcginnis@rlkistler.com
Membership Promotion

Chapter Membership Promotion
Mike McGinnis

Our second membership promotion night will be this month. The event at the meeting will be a free dinner for first time ASHRAE members that register for the society this month. If you are someone who has been on the fence (or a little lazy) about joining, please use this as encouragement to get signed-up.

ASHRAE is focusing on getting young engineers involved in the society. They are offering special pricing for members under the age of 30. Please contact me for additional information.

Mike McGinnis
Twin Tiers Membership Chair
mmcginnis@rlkistler.com
What Were They Thinking???

"Is that a magic or wireless low water cutoff?"

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/pelaw.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
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

TRAINING

New Publications from ASHRAE

ASHRAE, a leader in building information technology, develops publications that impact every facet of the environment, both indoors and out.

Data Center Design and Operation – ASHRAE Datacom Series CD 4th Ed.
This CD-ROM presents the full text of all eleven ASHRAE Datacom Series publications and Standard 127-2012 in fully searchable and printable PDF format. Authored by ASHRAE Technical Committee 9.9, the Datacom Series provides comprehensive treatment of data center cooling, energy efficiency, and related subjects.

$289 ($246 ASHRAE Member) / CD / 2014

ASHRAE Reference Offers Design Guidance on Healthcare HVAC Systems
The second edition of HVAC Design Manual for Hospitals and Clinics provides in-depth design recommendations based on best practices from consulting and hospital engineers, with a focus on presenting what’s different about healthcare HVAC systems.

$129 ($109 ASHRAE Member) / 312 pages / 2013

Visit www.ashrae.org/bookstore to learn more about these and other outstanding ASHRAE publications!
This full day design-focused workshop examines best practices for combining modern, high efficiency wood-fueled boilers with hydronic distribution systems. It covers the operating characteristics of wood-gasification boilers, pellet-fired boilers, and the latest hydronic heating technology that complements these high efficiency heat sources. The hydronic topics discussed include low temperature heat emitters, high efficiency circulators, modern control techniques, and optimal use of thermal storage. The workshop culminates with several examples of how to combine these heat sources and distribution techniques into stable, efficient, and reliable systems.

If you plan to be involved in designing or installing high efficiency wood-based biomass heating systems, this workshop will present a wide range of design details that will help optimize the performance your systems deliver.

This workshop is required for installers who want to participate in NYserDA’s Renewable Heat NY program. This program currently has $20 million allocated for promoting the use of high efficiency/low emission biomass boilers within New York State, in both residential and commercial applications. Additional information on the Renewable Heat NY program is available at http://www.nyserd.ny.gov/renewableheatny.

This workshop is approved for 7 AIA and 3.5 BPI hour credits. AIA learning hours can be used to meet Professional Development Hour (PDH) requirements for NYS licensed engineers.

Here is the current 2015 Training Schedule:

**Thursday, February 19, 2015**
8:00 AM - 5:00 PM
Burgundy Basin
1361 Marsh Road
Pittsford, New York 14534

**Wednesday, April 8, 2015**
8:00 AM - 5:00 PM
Holiday Inn Downtown Binghamton
2-8 Hawley Street
Binghamton, New York 13902

**Wednesday, May 20, 2015**
8:00 AM - 5:00 PM
Clinton Community College
136 Clinton Point Drive
Plattsburgh, NY 12901

**Tuesday, June 16, 2015**
8:00 AM - 5:00 PM
SUNY College of Environmental Science
1 Forestry Drive
Gateway Center
Syracuse, NY 13210-2785

Course enrollment fee: $149* (which includes lunch, breaks, and PDF file of full presentation) "Groups of 3 or more attendees from same company: $126.65/each"

For more information contact Meeting Planner,
Heather Courtney at heather@meetingie.com or (518) 852-0740

Instructor Bio:
John Siegenthaler, P.E., is a mechanical engineering graduate of Rensselaer Polytechnic Institute, a licensed professional engineer, and Professor Emeritus of Engineering Technology at Mohawk Valley Community College. "Siggy" has over 35 years of experience in designing modern hydronic heating systems, including systems using high efficiency biomass boilers. John is principal of Appropriate Designs - a consulting engineering firm in Holland Patent, NY, and author of the textbook - Modern Hydronic Heating.
EVENTS

Join us at ASHRAE’s 2015 Annual Conference
June 27–July 1 | Atlanta, Georgia | www.ashrae.org/atlanta

Join ASHRAE in its hometown of Atlanta! Take advantage of the opportunity to discuss and examine the latest topics in the building industry, such as high performing buildings and modeling, through the technical program; participate in technical tours; attend ASHRAE Learning Institute courses; sit for an ASHRAE certification exam; and earn professional development credits.

Conference Technical Program—includes the third annual Research Summit, which brings together researchers to present and discuss the latest research. Tracks focus on the design, construction and operation of high performance buildings, specifically advanced design guidance, modeling, operation and optimization, and indoor air quality. Laboratories, refrigeration, fundamentals, applications, systems and equipment round out the program.

Networking—share ideas and learn from fellow members from your hometown and around the world.

ASHRAE Learning Institute—choose from two full-day professional development seminars and seven half-day short courses to stay current on new HVAC&R technologies.

ASHRAE Certification—to gain a competitive edge, apply by June 9 to sit for an ASHRAE Certification exam.

Why You Should Join ASHRAE in Atlanta…

Gain personal and career excellence through peer contact, exchange of technical information and continuing education. Share ideas with colleagues from around the world. Find out the latest, and future, activity in your technical interest area by participating in technical committee meetings.

ASHRAE Conference technical tours give you a first-hand look at technology developed by members to further the industry. Tours include Southface Eco Office, Ponce City Market, ASHRAE Headquarters, Georgia Institute of Technology and the Fox Theatre.

187 Professional Development Hours Available PDHs recognized by most U.S. states, AIA LUs and LEED®AP credits are available through ASHRAE Learning Institute courses and Technical Program sessions.
Please mark your calendars for August 20 to 22 because the Central New York Chapter CRC is fast approaching. We have many things planned for you and your family to enjoy in the Central New York area. Among the events planned are the welcome party at the “Original” Dinosaur BBQ and replacing the traditional Presidential Dinner with a fun filled evening with a clambake at Hinderwadel’s Clam Grove. You can make reservations plus check out other things to do in the area on our website at www.ashrae2015crc.com

Hope to see you in Syracuse!
-CNY ASHRAE CRC Committee

The Crowne Plaza has a shuttle available for use by hotel quests. The shuttle is available anytime throughout the day. The shuttle will bring you and your family to the following destinations:

- Airport drop off and pick up
- **Destiny USA** - This is one of Americas largest shopping and entertainment venues. More than 200 retailers, kid’s adventure including go carts, Wonderworks, Dave and Busters and much more. The Onondaga Creekwalk starts (or ends) at Destiny USA. [www.destinyusa.com](http://www.destinyusa.com);
- **Armory Square** – Armory Square is located downtown and includes boutique shopping and a variety of restaurant, cafes and bars with outdoor seating and entertainment, the MOST (Museum of Science and Technology). Armory Square is also the start (or end) of the Creekwalk, a walking path along Onondaga Creek through the heart of Syracuse. [www_ARMORYsq.org](http://www.armorysq.org) ; [www.most.org](http://www.most.org) ; [www.syracuse.ny.us/Creekwalk.aspx](http://www.syracuse.ny.us/Creekwalk.aspx)
- **Downtown** – Outside of Armory Square is a host of other restaurants, shops and museums including the Erie Canal Museum, Everson Art Museum. Syracuse is filled with beautiful architecture. [www.downtownsyracuse.com](http://www.downtownsyracuse.com); [www.Everson.org](http://www.everson.org) ; [www.eriecanalmuseum.org](http://www.eriecanalmuseum.org); [www.CNYhistory.org](http://www.CNYhistory.org)
- **Onondaga Lake Parkway** – This Park on the lake is a recreational gemstone, with a 10 mile biking, walking, rollerblading trail on the lake, Wingman’s kid’s park, the Salt Museum, picnic and recreational areas, and a short walk to the village of Liverpool. [www.onondagacountyparks.com/onondaga-lake-park](http://www.onondagacountyparks.com/onondaga-lake-park)

Access to these venues by the free shuttle is a great way for your family to enjoy the Syracuse area while visiting for the 2015 ASHRAE Region 1CRC.
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

2015 CRC

CRC Thursday Night
Welcome Dinner
Aug 20, 2015
5:00 pm till Midnight
246 West Willow St.
Syracuse, NY 13202

A MUST ATTEND EVENT!!!
Fun, entertaining and a GREAT TIME to socialize with your FRIENDS.
- Best BBQ in town!
- Original Dinosaur BBQ BBQ INTE.
- Dinosaur BBQ opened in 1969.

Happy Hour Appetizers and
1 Hour Open Bar!!!
5:00 - 6:00 pm

Live band music till midnight!!!
YEA and all, are invited to the Fun!!!
If your company has any Employment Opportunities that you would like to advertise in the Newsletter please send to ASHRAE.

**Outside Sales Engineer**

Outside Sales Engineer Wanted – H&V Equipment Sales, Inc.

H&V Equipment Sales, Inc. a manufactures representative for applied HVAC equipment is seeking a motivated salesperson to help expand its market presence in Western and Central NY.

Responsibilities will be working with local mechanical contractors in the plan/spec and design/build markets, providing quotations for equipment, generating submittals and sales orders.

Candidates should poses a thorough knowledge of Mechanical HVAC systems, have good communication, sales and computer skills, and be willing to travel within the sales territory.

Other skills considered favorable to the applicant are actual HVAC field installation, service, HVAC design experience and/or HVAC sales experience.

Please email resume to Thomas Snyder at tsnyster@hvgroup.us

H&V Equipment Sales, Inc. is a division of H&V Group.
Twin Tiers Chapter– Employment Opportunities

Open Position - Building Energy Modeling Analyst

Job Summary

The Building Energy Modeling Analyst will use his or her knowledge of engineering and building performance to provide modeling support for Energy Efficiency Analysis, Building Conditions Assessments; LEED Services; Asset Score and ENERGY STAR Services and Green Building Design. Typical projects will include energy and water related building performance analysis, including application of the OpenStudio software tools. Additional duties will include delivering trainings.

Key Tasks & Responsibilities

- Perform whole building energy modeling and analysis, M&V and building re-tuning services.
- Perform engineering studies for a variety of facilities (including but not limited to Commercial, Retail, Manufacturing and Multi-family) and develop energy reduction plans for submission to state/utility incentive programs. Develop energy efficiency recommendations related to lighting, HVAC, building envelope, process equipment, etc.
- Deliver various trainings related to software and auditing tools and techniques, in person and via interactive online sessions.
- Provide team members with technical analysis for ongoing projects. Submit timely reports for review by senior engineering staff. Manage time effectively and within project budget constraints.
- Customer support activities (customer mentoring and model / tool development)

Candidate Requirements

Required

- Bachelor’s Degree in Mechanical Engineering or related field.
- Minimum 3 years of relevant experience with energy systems commonly found in buildings, including a working knowledge of building HVAC systems and controls.
- Demonstrable experience with energy analysis/benchmarking and energy modeling software (Trace 700, eQUEST, OpenStudio, etc.)
- Demonstrable familiarity with relevant building/energy codes and standards (IECC / ASHRAE, etc.) and conducting energy audits.
- Knowledge of the basic physics underlying building science and the basic engineering equations underlying energy efficiency calculations.

For complete information go to: http://psdconsulting.com/th_gallery/building-energy-modeling-analyst/
MECHANICAL ENGINEER

Delta Engineers, Architects, & Land Surveyors, P.C., a growing upstate NY design firm, is currently seeking a Mechanical Engineer in our Endwell, NY office. Experience in HVAC, Plumbing and Fire Protection is highly preferred.

Primary Duties Include:

- Using methods recommended by senior project team members, perform work which involves conventional and/or complex types of plans, investigations, surveys, structures, or equipment
- Is expected to solve engineering problems using thermodynamics, fluid mechanics, and heat transfer to design water, waste water, hydronic, and gaseous piping and ductwork. Design and selection of HVAC equipment associated with the building environment.
- Prepare, or assist in the preparation of, engineering documents, details, schedules or reports as assigned
- Attend and/or lead client meetings/presentations – daytime or evenings
- Communicate with client representatives, contractors, suppliers, etc.
- Serve and/or lead field inspection teams to obtain and document existing conditions using field notes, sketches, and photography
- Develop quantity take offs and construction cost estimates
- Develop project specifications and bidding documents
- Participate and/or lead site visits/inspections/documentation during construction

The preferred candidate should have a minimum 2 year degree with at least 5 years relevant experience, or 4 year degree with at least 2 years of relevant experience. Compensation for this position depends on experience. This position provides a competitive benefits package.

Delta Engineers, Architects, & Land Surveyors, PC is an Equal Opportunity Employer of Protected Veterans and Individuals with Disabilities.

To apply, visit our website career page at: http://deltaengineers.com/current_careers.php
ASSISTANT ELECTRICAL ENGINEER

Delta Engineers, Architects, & Land Surveyors, P.C., a growing upstate NY design firm is currently seeking an Assistant Electrical Engineer in our Endwell, NY office.

Primary Duties Include:

- Using methods recommended by senior project team members, perform work which involves conventional types of electrical plans, field investigations, and design.
- Is expected to try to solve engineering problems using experience, judgment and education, but is expected to ask for assistance when required.
- Be proficient in the use of computer applications including word processing, spreadsheets, Revit, and CADD. Become proficient in Group design software(s).
- Prepare, or assist in the preparation of, engineering documents, details, schedules or reports as assigned.
- Attend client meetings/presentations – daytime or evenings.
- Communicate with client representatives, contractors, suppliers, etc.
- Serve on field inspection teams to obtain and document existing conditions using field notes, sketches, and photography.
- Develop quantity take offs and construction cost estimates.
- Participate in site visits/inspections/documentation during construction.

The preferred candidate should have at least an Associate’s degree in Electrical Engineering. Compensation for this position depends on experience. This position provides a competitive benefits package.

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PROJECT ENGINEER – ELECTRICAL

Delta Engineers, Architects, & Land Surveyors, P.C., a growing upstate NY design firm, is currently seeking a Electrical Project Engineer in our Endwell, NY office. Project Engineers work with the Project Manager to develop design solutions of a specific discipline which are incorporated into contract documents by the design team. While these positions are primarily technical, assistance with some project management duties is likely.

Primary Duties Include:

- Assist the Project Manager in developing design parameters, scopes of service and person-hour estimates during the proposal stage
- Assign individual work tasks and provide guidance to subordinate team members of that design discipline. Discuss the desired expectations of the delegated work including the amount of time estimated to complete the work
- Responsible for the quality control of work products (e.g., reports, studies, drawings, letters, calculations, memos, etc.)
- Responsible for adherence to applicable codes
- Responsible for the preparation of technical specifications
- Responsible for the processing of shop drawings and submittals
- Monitor performance of project team members and provide feedback to the Project Manager.
- Attend and/or lead client meetings/presentations – daytime or evenings
- Communicate with client representatives, contractors, suppliers, etc.
- Participate and or lead site visits/inspections/documentation during construction

The preferred candidate should have an Associate’s degree with a minimum of 7 years experience or a Bachelor’s degree with a minimum of 4 years relevant experience; a PE License is preferred. Compensation for this position depends on experience. This position provides a competitive benefits package.

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PROJECT ENGINEER - STRUCTURAL

Delta Engineers, Architects, & Land Surveyors, P.C., a growing upstate NY design firm is currently seeking a Structural Project Engineer in our Endwell, NY office. Project Engineers work with the Project Manager to develop design solutions of a specific discipline which are incorporated into contract documents by the design team. While these positions are primarily technical, assistance with some project management duties is likely.

Primary Duties Include:

- Assist the Project Manager in developing design parameters, scopes of service and person-hour estimates during the proposal stage
- Assign individual work tasks and provide guidance to subordinate team members of that design discipline. Discuss the desired expectations of the delegated work including the amount of time estimated to complete the work
- Responsible for the quality control of work products (e.g., reports, studies, drawings, letters, calculations, memos, etc.)
- Responsible for adherence to applicable codes
- Responsible for the preparation of technical specifications
- Responsible for the processing of shop drawings and submittals
- Monitor performance of project team members and provide feedback to the Project Manager.
- Attend and/or lead client meetings/presentations – daytime or evenings
- Communicate with client representatives, contractors, suppliers, etc.
- Participate and or lead site visits/inspections/documentation during construction

The preferred candidate should have a BS degree with a minimum of 8-10 years relevant experience; a PE License is required. Compensation for this position depends on experience. This position provides a competitive benefits package.

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To apply, visit our website career page at: http://deltaengineers.com/current_careers.php
PROJECT ARCHITECT

Delta Engineers, Architects, & Land Surveyors, P.C., a growing upstate NY design firm, is currently seeking a Project Architect in our Endwell, NY office. This person must be a leader who gets things done. The Project Architect works with the Project Manager to develop design solutions which are incorporated into contract documents by the design team. While these positions are primarily technical, assistance with some project management duties is likely.

Primary Duties Include:

- Assist the Project Manager in developing design parameters, scopes of service and person-hour estimates during the proposal stage
- Assign individual work tasks and provide guidance to subordinate team members of that design discipline. Discuss the desired expectations of the delegated work including the amount of time estimated to complete the work
- Responsible for the quality control of work products (e.g., reports, studies, drawings, letters, calculations, memos, etc.) for the specific discipline
- Responsible for adherence to applicable codes
- Responsible for the preparation of technical specifications
- Responsible for the processing of shop drawings and submittals
- Considers alternate designs and value engineering
- Responsible for meeting scheduled deadlines
- Monitor performance of project team members and provide feedback to the Project Manager. Discuss potential corrective action with the Project Manager as required
- Attend and/or lead client meetings/presentations – daytime or evenings
- Communicate with client representatives, contractors, suppliers, etc.
- Participate and or lead site visits/inspections/documentation during construction

The preferred candidate should have a BS degree with a minimum of 8-10 years relevant experience. An RA is required and candidate must have experience as a Lead Project Architect. Compensation for this position depends on experience. This position provides a competitive benefits package.

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ADVERTISE your business card:

- Current business card adds will expire at the end of this year, December 31, 2015.

- New subscription will run the calendar year 2015.

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- Email a copy of your business card to anice@meiersupply.com.

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 2015

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 2015. This is a great opportunity to get your name and business in front of the over 200 subscribers to our chapter newsletter. The price for the newsletter only is $50 for the entire 2015 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
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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"