



Twin Tiers Chapter

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

Special points of interest:

- President Message
- Twin Tier News
- Monthly Meetings
- Society News
- Scholarships
- Business Card Advertisements
- Employment

ASHRAE 2019-2020



Shaping Tomorrow's
Built Environment Today

February Meeting

Tuesday February 18, 2020

Joint Meeting with NYSSPE

PRESENTATION:

**“The Origins of the Lithium-Ion Battery,
the Nobel experience and the
potential impact of Energy Storage.”**

**M. Stanley Whittingham
Professor of Chemistry Binghamton University
2019 Nobel Prize Laureate in Chemistry**

To register, visit the Chapter website:

<http://twintiers.ashraechapters.org>

Please send all newsletter comments to:

Andrew Nice, Editor
c/o Meier Supply Co.
275 Broome Corporate Parkway
Conklin, NY 13748

[Email the Editor](#)

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



Corner

President's

Twin Tiers Chapter Members,

First off, thank you to all of our active committed members who continue to attend our monthly meetings, and who have given so generously to our recent Research Promotion initiatives and fundraisers. Without your engagement and generosity, our Chapter would not be able to have the impact that we are able to have in our industry locally, and so we very much appreciate it. Our January Meeting featured a tour of the SUNY Broome Advanced Manufacturing Center and an overview of the programs offered there, and a dinner presentation / overview on the ground source heat pump systems implemented in the project. Thank you to SUNY Broome for giving us the opportunity to tour this newly renovated building, and thank you to Michael Martin and McFarland Johnson for sharing your insights and discussing the challenges faced during the duration of the project.

Our February Meeting will be a joint meeting with the NYSSPE Broome Chapter, at the 2020 Engineers Week Dinner held at the Holiday Inn Binghamton on Tuesday, February 18th. The Engineers Week Dinner is an event put on annually by Binghamton University and NYSSPE. The event will feature poster presentations by participating organizations, networking opportunities, an award recipient recognition ceremony, and a keynote presentation by Dr. M. Stanley Whittingham, Distinguished Professor of Chemistry and Material Science at Binghamton University. Dr. Whittingham was awarded the Nobel Prize in Chemistry in 2019 for his research leading to the development of the lithium-ion battery. His presentation at the event will include a segment on the origins of the lithium-ion battery, the Nobel experience, and the potential impact of energy storage on the industry. Please check out our "Program" page on our website for more details, and for information on how you can register for this exciting upcoming event.

With spring quickly approaching (hopefully!), I would like to send out a couple of reminders to the chapter. First off, please consider purchasing an ASHRAE golf polo to help support our Chapter's Research Promotion initiatives. This year's polos will be "blueberry" blue. Also, for those of you who know students who are potentially interested in pursuing a career in the HVAC & R industry, please consider having them apply for one of our HO Ward scholarships using the application on our "Committees > Scholarship" page on the Chapter website. The deadline for scholarship applications in February 15th. Lastly, our Spring Symposium will be on April 21st at the Holiday Inn in downtown Binghamton. Thank you to Adam Keller who has been organizing this event and booking the speakers.

Thank you,
Kyle Nedlik
ASHRAE Twin Tiers 2019-2020 Chapter President

Chapter President



Kyle Nedlik
(607) 321-6100
[Email Me!](#)

2019-2020 Chapter Officers

President-Elect

Devin Shapley
(607) 723-9421
[Email Me!](#)



Vice President

Adam Keller
(315) 484-9526
[Email Me!](#)



Treasurer

Matthew Lloyd
(607) 239-3956
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Victoria Kramer
(607) 321-6100
[Email Me!](#)



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

Twin Tiers Chapter

Presidential Award of Excellence (PAOE)

	Chapter Operations	Chapter Technology Transfer	Electronic Communications	Grassroots Government Activities	Historical	Membership Promotion	Research Promotion	Student Activities	Young Engineers in ASHRAE
MIN/ PAR	600/1200	450/1050	250/500	500/650	100/300	500/800	800/1050	300/500	300/800
Current	710	1100	755	1000	930	525	870	255	800

POINTS CURRENT AS OF 2/10/2020

Chapter Committee Chairs

Technology Transfer Devin Shapley (607) 723-9421 Email Me!	Government Activities Adam Keller (315) 484-9526 Email Me!	Refrigeration Rob VanSkiver (585) 591-8168 Email Me!	Golf & Clambake Outing Michael McGinnis (607) 727-3168 Email Me!
Membership Promotion Chris Wolak (484) 350-1954 Email Me!	Nominating Kyle Nedlik (607) 321-6100 Email Me!	Meeting Reception Matthew Lloyd (607) 239-3956 Email Me!	H.O. Ward Scholarship Richard Sanguinito (607) 231-6605 Email Me!
Research Promotion Glenn Roberts (315) 234-1527 Email Me!	Student Activities Jason Gilbert (607) 777-2240 Email Me!	Membership Directory Chris Wolak (484) 350-1954 Email Me!	Albern Education Fund Jason Gilbert (607) 777-2240 Email Me!
Honors & Awards Kyle Nedlik (607) 321-6100 Email Me!	Historian Richard Sanguinito (607) 231-6605 Email Me!	Symposium– Fall/Spring Adam Keller (315) 484-9526 Email Me!	Auditing Rick Sanguinito & Andrew Nice (607) 231-6605 / 607-760-5960 Email Me!
Webmaster Petros Papathomopoulos (607) 723-9421 Email Me!	Newsletter Editor Andrew Nice 607-760-5960 Email Me!	YEA: Young Engineers Dana Schmitt (315) 920-0487 Email Me!	Publicity Andrew Nice 607-760-5960 Email Me!



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Twin Tiers Chapter– Monthly Meeting Information

2019-2020 Meeting Dates:

Date:	Speaker	Tech Session Topic, Tour or Meeting Info	Attendance:
17-Sep	Richard Reichenbach - Sporlan	Flame-Free Refrigerant Fittings	-
15-Oct	Multiple/TBD	Fall Engineering Symposium—Daytime	-
20-Nov	Eric LePore, P.E. - Cornell University	Koffman Southern Tier Incubator Tour Research Promotion Night	18
17-Dec	Paul Torcellini, Ph.D. Distinguished Lecturer	The Advanced Energy Design Guide for Zero Energy Buildings Past President & History Night	-
21-Jan	Michael Martin, P.E. McFarland Johnson	SUNY Broome Calice Advanced Manufacturing Center Membership Promotion	22
18-Feb	M. Stanley Whittingham Binghamton University 2019 Nobel Prize Laureate in Chemistry	The Origins of the Lithium-Ion Battery, the Nobel experience and the potential impact of Energy Stor- age.	-
17-Mar	Southern Tier Fabrication Tour	Southern Tier Fabrication Tour Student Night & YEA	-
21-Apr	Multiple/TBD	Spring Engineering Symposium—Daytime	-
19-May	Brewery Tour	Presentation/Tour: TBD	-
16-Jun	None	Golf Tournament	-

NOTE: Speakers and topics are subject to change based on availability.

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Glenn Roberts	315-234-1527
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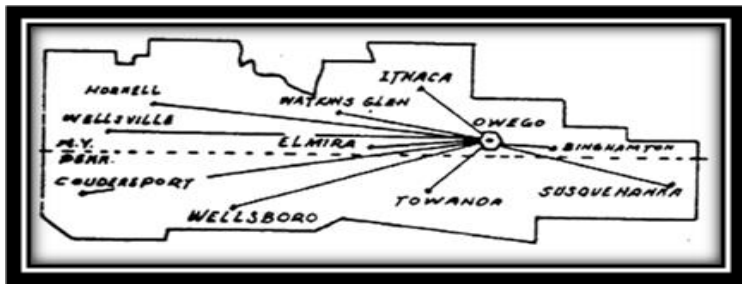
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Twin Tiers Chapter– Business Cards Advertisement for Newsletter

ITS NOT TOO LATE! To ADVERTISE your business card:

- Current business card adds will expire at the end of this year, December 31, 2019.
- New subscription will run the calendar year 2020.
- Cost to advertise for the 2020 year is \$50.
- Sign up now for the 2020 year On Pay Pal <http://twintiers.ashraechapters.org/page-newsletter.html>

Or Send Check and copy of business card to Twin Tier News Letter Editor:

Meier Supply Co.
Attn: Andrew Nice
275 Broome Corporate Parkway
Conklin, NY 13748

- Email a copy of your business card to [Twintier Newsletter Editor Email](mailto:TwintierNewsletterEditor@gmail.com).

From Web site please visit: <http://twintiers.ashraechapters.org/page-newsletter.html>

Go to the News Letter tab, and place your order to advertise your business card.

Business Card Advertising 2020

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 2020. This is a great opportunity to get your name and business in front of the over 250 subscribers to our chapter newsletter. The price for the newsletter only is \$50 for the entire 2020 year.

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

Questions? Call or email
Thank you for your support!
Andrew Nice



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

Twin Tiers ASHRAE H.O. Ward Scholarship



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

H. O. WARD SCHOLARSHIP

Date: December 05, 2019

Twin Tiers Chapter,

It has been some time since a scholarship could be offered. We would like to reestablish the scholarship opportunities for student members, children of members, grandchildren of members, nephews and nieces of members.

Please consider passing this application to your children or grandchildren. The program is guided for HVAC interest.

This would include but not limited to:

- HVAC trade school students
- Engineering students in building programs
- Engineering students with an interest to become a Professional Engineer (Mechanical)
- Engineering students in manufacturing (HVAC equipment)
- Engineering / trade school student that can demonstrate how their study relates to HVAC aspect like building trades, equipment manufacturing, research and development, HVAC maintenance, etc..

If you did not receive the application via our email and would like one please email us [HERE](#).

APPLICATIONS MUST BE SUBMITTED BY
FEBRUARY 15, 2020



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

REMEMBERING HARRY E. ELLSWORTH

Harry E. Ellsworth

1934 - 2019

Harry E. Ellsworth, an ASHRAE Twin Tiers Chapter life member, founding charter member, past chapter officer and past chapter historian, passed away peacefully on Monday, December 9, 2019. Harry's obituary is copied below.

Harry, 85, was born in Endicott NY in 1934, and graduated from Clarkson University with a degree in mechanical engineering. During this time, he met and married Mary Jean Jacques. After some time in the Army Reserve, he worked for General Electric where he was involved in the construction of the early missile warning radar systems in Alaska and Greenland. As his career advanced, Harry and Mary also started a family. After living in Syracuse, NY for several years, the family settled in Ithaca, NY where Harry lived until his death. Harry's work at Cornell University, as well as several small firms in Ithaca, and his community involvement provided opportunities for Harry to make many great friends in Ithaca. These friends and activities created much joy and satisfaction in his life. Harry spent his last 2 years at Oak Hill Manor, where his attitude was positive and easy going.

Harry leaves a legacy of impact on his surviving family, including his younger brother, his 8 children, his 16 grandchildren and many great-grandchildren. Most of all, Harry was a dedicated husband, partner and friend to his wife, Mary Jean, through 62 years of marriage.



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

REMEMBERING SAMUEL IWOBİ

Samuel Iwobi

1939 - 2019

Samuel Iwobi, an ASHRAE Twin Tiers Chapter life member and past president (1985-1986) passed away peacefully on Tuesday, December 10, 2019. Samuel's obituary is copied below.

Samuel Iwobi, a longtime resident of Vestal, NY passed away on December 10 in Somerville, MA. at age 80. Sam was born in Onitsha, Nigeria as part of a large and loving family. In 1962 he came to the U.S. to attend the University of Notre Dame. After graduating with a degree in Mechanical Engineering and a knowledge of American football he worked in New York City until taking a position with GAF in Binghamton in 1972 where he worked until retiring in 1999. He and his wife of 48 years, Margaret, raised 2 sons, Ikay and Obi.

He is survived by Margaret, Ikay, his wife Anita, their daughter Ava, Obi, his wife Joelle, three brothers Chuka, Chudi and Ifeanyi, two sisters Elizabeth Madichie and Monica Udeze along with many nieces and nephews including Kene Udeze of Newark Valley. He was predeceased by his father Joseph, his mother Mary Magdelene and his sister Veronica Ozobia.

Sam was an active member of the community, serving on the boards of Catholic Social Services and Visions Federal Credit Union. He volunteered as a youth soccer coach, a tax preparer with AARP, a Medicare counselor with Action for Older Persons and with the Catholic Charities Food Pantry.

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February Chapter Meeting Announcement

DISCOVER
ENGINEERS WEEK

FEBRUARY 16–22, 2020



Broome Chapter

New York State Society of Professional Engineers



2020 ENGINEERS WEEK DINNER

Tuesday, February 18, 2020

LOCATION:

Holiday Inn Arena, 2 Hawley Street, Binghamton, NY

TIME:

5:30–6:30 pm Cash Bar & Poster Presentations, 6:30–7:30 pm Dinner,
7:30 pm Engineer of the Year Award, Scholarships and Speaker

POSTER PRESENTATION/CELEBRATION:

Your Chance To Participate. Each individual or Company is invited to bring a poster and an easel to “show-off” a completed project that was successful. We will place them in the room for viewing during our arrival time.

RECOGNITION:

SUNY Broome, Tompkins Cortland Community College and Binghamton University, NSPE-NY Broome Chapter Scholarship Recipients Recognition.

SPEAKER:

2019 Nobel Prize Laureate in Chemistry – M. Stanley Whittingham, Distinguished Professor of Chemistry and Material Science at Binghamton University.

SUBJECT:

“The Origins of the Lithium-Ion Battery, the Nobel experience and the potential impact of Energy Storage”

Reservations due by Friday, February 14, 2020





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

February Chapter Meeting Announcement

DISCOVER
ENGINEERS WEEK

FEBRUARY 16–22, 2020



Broome Chapter

New York State Society of Professional Engineers



2020 ENGINEERS WEEK DINNER

Tuesday, February 18, 2020

REGULAR REGISTRATION

NAME	AFFILIATION/COMPANY	EMAIL FOR CONTACT

Number of Persons for:

- 1) _____ Prime Rib of Beef _____ @ \$40.00* each = \$_____ High School & Middle
- 2) _____ Grilled Salmon _____ @ \$40.00* each = \$_____ School students reduced
- 3) _____ Chicken Piccata _____ @ \$35.00** each = \$_____ Dinner prices *\$25.00 each
- 4) _____ Pasta a la Vodka _____ @ \$35.00** each = \$_____ or ** \$20.00 each

Make checks payable to Broome Chapter NYSSPE. Mail to: Engineers Week Dinner, c/o Wonjune Hong, 416 Jodie Drive, Vestal, NY 13850.
If you need information, you may email Wonjune.hong@lmco.com. Sorry no refunds after February 14.

STUDENT REGISTRATION

FREE TO BINGHAMTON UNIVERSITY STUDENTS

To register for this event, email mvanheus@binghamton.edu and provide the following information:

- Name
- Email
- Meal selection (Prime Rib, Grilled Salmon, Chicken Piccata, Pasta a la Vodka)

**The Dean's Office proudly sponsors students, faculty and staff who would like to attend this event. We expect any student who registers for this event to attend, or be responsible for reimbursing the cost of their registration and meal.*

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What Were They Thinking???



What a great idea to blow the water off your hands and into the sink. BUT is that junction box waterproof?

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. ***



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TRAINING



New York State Professional Engineers **Self Study Ethics PDH Available!**

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) (<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>



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TRAINING

ASHRAE HVAC Design Training

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Level I – Essentials

April 27 – 29, 2020

\$1,369 (ASHRAE Member: \$1,089)

Level II – Applications

April 30 – May 1, 2020

\$917 (ASHRAE Member: \$749)

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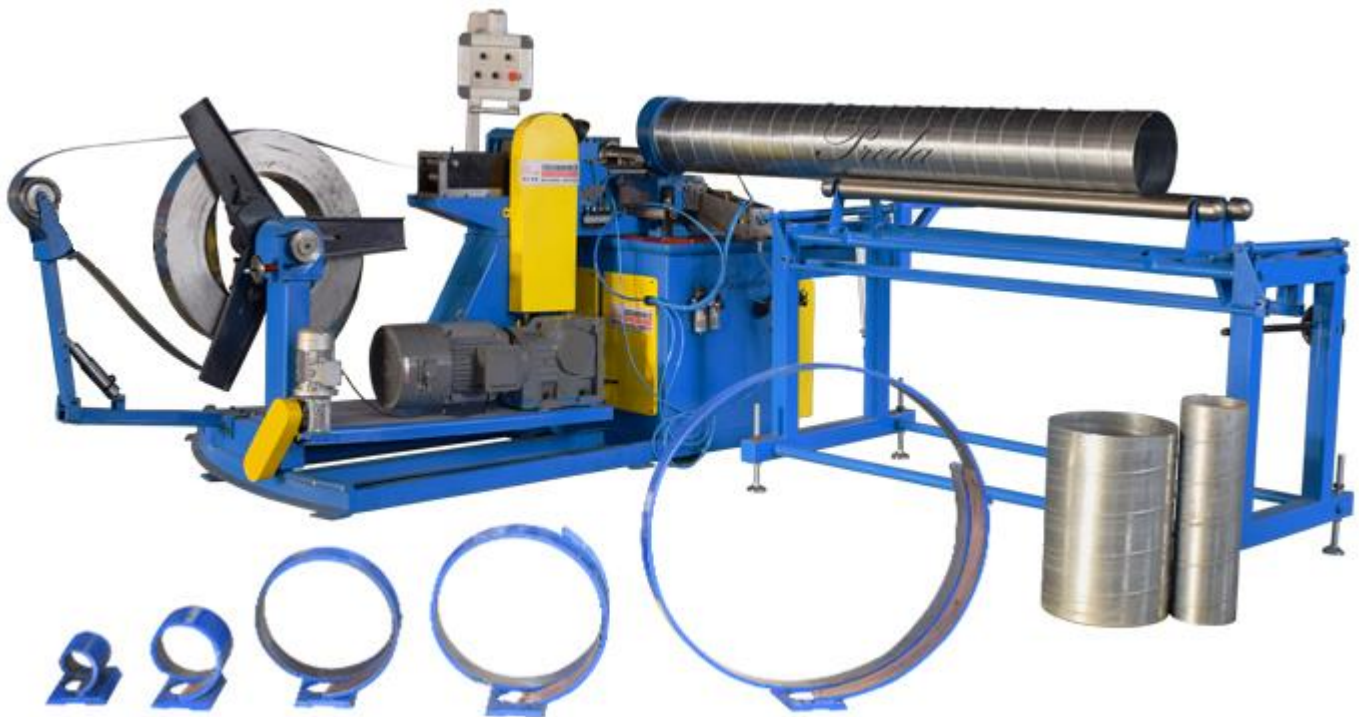
Company Discount

Enroll 3 or more participants from the same company at the same time and **SAVE!** Email Tewana Parris (tparris@ashrae.org) for group registration assistance.



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Twin Tiers Chapter– Employment Opportunities



Estimator

ESTIMATOR – Entry Level Position

Requirements:

- o Ability to read & interpret architectural & mechanical drawings & specifications
 - o Working knowledge of air handling systems
- o Computer skills – familiar with business systems, excel spreadsheets
 - o Company training provided for dedicated estimating system
 - o Ability to work within team environment
 - o AAS degree preferred

For more information or to submit resumes contact:

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Comments? Suggestions?

Andrew Nice, Editor
c/o Meier Supply Co.
275 Broome Corporate Parkway, Conklin, NY 13748
anice@meiersupply.com

We welcome your feedback!



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 pro-
mote a sustainable world"***

Twin Tiers Chapter Mailing Address:
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