



Northeast Chapter

# Thermal Briefs

APRIL 2015

## MAY MEETING TUESDAY, MAY 19, 2015

### Commissioning—Lessons from the Field

Presenter: Jeremy P. McDonald PE, CEM, LEED, AP  
Principal at Guth DeConzo Engineers, PC

*Approval for 1 PDH credit pending!*

12:00pm - Lunch and Presentation

Italian American Community Center, Washington Ave Ext

Members \$30 (\$40 with PDH)

Non-Members \$35 (\$45 with PDH)

RSVP to Tim Houle no later than Tuesday, May 12th

[Thoule@advancedcomfortsys.com](mailto:Thoule@advancedcomfortsys.com) or 518-844-8444 x3439

Commissioning is quite common on almost all renovation projects, both minor and major scope. This presentation will help to inform the design professional of some of the common issues and challenges on projects, through the eyes of the Commissioning Agent.

**Design Review:** Common issues we see, and also opportunities to ensure that project is ready for Cx.

**Construction Phase Services:** Cooperation between various parties throughout construction, and common issues.

**Acceptance Testing:** Common attributes which result in an effective acceptance test.

**Recent Experience:** Discussion of some challenges we faced in Cx, and how they were addressed.

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**BOG**



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APRIL 2015

## MAY MEETING TUESDAY, MAY 19, 2015

### Speaker Bio:

#### Jeremy P. McDonald:

Mr. McDonald is Principal at Guth Deconzo Consulting Engineers. In addition to traditional MEP design services, Mr. McDonald has been involved in Commissioning of several complicated HVAC projects, include St. Peter's Hospital Pavilion, Albany Medical CRF, and currently Samaritan Hospital Expansion. Mr. McDonald is a PE, Certified Energy Manager, and LEED AP.

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# Message from the President

It is hard to believe that it is April already and my time as President of the Chapter is approaching its final days. As we head into the spring season we start to see new beginnings. Our lawns, trees and flower beds all start to show signs of new life after a long, cold winter. Our Chapter will follow, during the April meeting we will vote on a new slate of Officers and Board of Governors that will lead our chapter for the 2014-2015 Chapter year.

Our current President Elect, Dan Williams will assume the Chapter Presidency in the next few weeks. His first and greatest challenge as President will be to recruit volunteers to fill open chairs for the year. There is no better way to get involved in ASHRAE leadership than to step forward and fill a vacant Chair. There is a commitment of time involved in any of the positions, but I can speak from experience, you will find it very rewarding and enjoyable. If you have any interest in volunteering or would simply like more information please reach out to Dan, myself or any of the Chapter officers. We will do our best to explain what is involved so you are equipped to make an educated decision.

As my time winds down I would like to solicit any feedback, positive or negative from the membership. I believe that being a member of ASHRAE at both the Society and Chapter level provides value in many ways to me. If we wish to increase membership in our Chapter we must provide the members with something of value, a reason to stay current with their membership. When I see the reports that we have lost a Chapter member, my first thought is that failed to provide “value” to this member. If we are not meeting or exceeding your expectations I would like to know, this way the Chapter Officers and BOG can address the issues and make the necessary changes. So please feel free to contact me with any feedback or any suggestions of how we can be better as an organization.

I look forward to seeing all at our final meetings!

Sincerely

Doug Belokopitsky

Chapter President

# Message from Historian

## NORTHEAST CHAPTER HISTORY 2014 -2015

Chapter President:	Douglas Belokopitsky
President Elect/CTTC/Program Chair:	Dan Williams
Vice President/ Newsletter Editor:	Erick Moser
Treasurer:	David Houle
Secretary:	Adam Feather
Board of Governors	Russ Danforth
Board of Governors:	Trevor Gensch
Board of Governors:	John Thomas
Board of Governors:	Tim Houle
Board of Governors:	Gregg Kirkpatrick
Membership Chair:	Liesl Hammer
Honors and Awards:	Kristin Gustafson
Student Activities Chair:	Dave Ricci
Research Promotion Chair:	Chris Schmidt
Refrigeration Chair	Ray Hickey
Historian:	Stanley Westhoff
Webmaster/Home Page Editor/ CECC:	Michael Schwarz
YEA	Brian Meneghan

The Northeast Chapter of ASHRAE started off the year with a successful CRC in Tarrytown, NY. The following awards and certificates were presented:

Dave Ricci received a Certificate for Runner-Up in Student Activities

Doug Belokopitsky received the award for Outstanding Performance in Chapter Programs

Stan Westhoff received a History Gold Ribbon for a history of Cara Martin

Chris Schmidt received the Scholarship Patch, Full Circle Chevron and Achievement Certificate for exceeding chapter goal of \$9,617 as the Chapter Research Promotion Chair

# Message from Historian

Golf/Steak Roast at Airway Meadows Golf Club was a success. The chapter had a presentation by Darren Hardy of WSP on the use of 3D Laser Scanning & BIM in October. November was Rich Davis on Viessmann who spoke on Condensing Boiler Room Design. December was a Night Out with YEA at Brown's Brewery followed by RPI Student Branch presenting their final projects. December meeting was Chapter History Night and a presentation by Joseph Klotz of JCI on New found money for Facility Managers. January was a presentation by the Distinguished Lecturer and Presidential Member Ron Jarnagin on Standard 90.1.

In February Jerry Meyer Jr. of M.I.S. America spoke on Cleaning & Testing HVAC Systems. Justin Dascoli of Phoenix spoke on OR & Critical Space HVAC Solutions in March and Jason Signor of LG spoke on Var-

Election of Chapter BOG and Officers took place in April with the following slate being approved for the 2015-2016 year:

Dan Williams – President

David Houle – President-Elect

Adam Feather – Vice President

Kevin Doty – Treasurer

Trevor Gensch – Secretary

Timothy Houle – BOG

John Thomas – BOG

Russ Danforth – BOG

Todd Turcotte – BOG

Greg Kirkpatrick – BOG

Doug Belokopitsky - BOG

There was a superbowl pool and 50/50 raffles throughout the year with proceeds going to ASHRAE Research.

# Message from Membership



Any Questions?

Direct those or errors noted to [liesl.hammer@gmail.com](mailto:liesl.hammer@gmail.com)

## Message from Research Promotion

Please consider placing your business card ads in our next issue. The small \$60 contribution we require goes completely to Research promotions and allows your ad to run the entire year. If you have any job postings you'd like to post we only ask a small contribution of \$50 per month. This Newsletter is circulated to over 200 monthly!

If you would like to make a donation to RP please contact me at [cschmidt@b2qassociates.com](mailto:cschmidt@b2qassociates.com). For further information on ASHRAE Research and the work your contributions support please visit: <https://www.ashrae.org/standards-research--technology/research-promotion> Here you can contribute and learn about current and past ASHRAE Research projects.

Thank you all very much for your generosity!

Thanks again,  
Chris Schmidt

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## Message from Refrigeration

Do you know what a BPM, EMC, BLDC or BLAC is? They are Brushless Permanent Magnet, Electrically Commutated Motor, BrushLess Direct Current or BrushLess Alternating Current and basically are the same.

I believe in layman terms, they are a cross between the AC induction motors, that we have been dealing with for almost 130 years, and a DC motor. The BPMs etc are synchronous motors that use permanent magnets AND electrical windings to create rotation.

For their size, typically below 3.0 HP, they run cooler, have a longer life span, require less maintenance, and more efficiently. Oh yeah! They are quieter, and that is where they got started... in washing machines. When the housewife in the 1980s had the laundry moved out of the basement to the first floor they needed a motor that was quiet and then they found out it was more efficient.

They went from the washer to the furnace to the air conditioning over to pumps and compressors. So now the consumer and commercial building owner/operators have another Energy Conservation Measure that will save them money.

DOE will rule on the efficiency levels and test procedures in the future.

From an article in Appliance Design April 2015.

Ray Hickey, Refrigeration Chair

# Message from Student Activities

Below is a scholarship we offer annually. If you know of any hard working students that could use a break, spread the word!

## ASHRAE NORTHEAST CHAPTER SCHOLARSHIP APPLICATION



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

The ASHRAE Northeast Chapter Scholarship Program is designed to encourage and assist in the education of men and women pursuing a career in the field of heating, ventilating, air conditioning and refrigeration (HVAC&R) through its granting of scholarships. The program also serves the public interest by aiding in the education of men and women to become qualified to practice within the HVAC&R field.

### Personal Data

Last Name		First Name		Middle Initial	
Student's Home Address					
City		State		Zip	
E-mail address			Home Phone		
Date of Birth			Citizenship		

### Education

High School		H.S. Location	
H.S. Course of Study		Year Graduated H.S.	
College or University		Location	
Major		Cumulative Grade Point Average	
Anticipated College or University Graduation Date			
Other School		Location	
Course of Study		Year Graduated	
Anticipated Graduation Date			



**Education** *(continued)*

List of Engineering/ Technical Courses taken to date (applicant may refer to transcript):

--

Extra Curricular Activities and Hobbies:

--

**Professional Data** *(provide a brief resume of your work experience)*

Employer		From/To Dates	
Brief Job Description			
Employer		From/To Dates	
Brief Job Description			
Employer		From/To Dates	
Brief Job Description			

**Professional Goals**

What is your particular interest in a field(s) covered by ASHRAE, and describe one or more ways that the HVAC&R industry affects the lives of people in today's society. (300 words maximum, attach extra pages as required)

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**References**

Please provide a total of two references along with a separate letter of recommendation from either: Professor, Faculty, Business Person or Former Employer.					
Name & Relation		Address		Phone	
Name & Relation		Address		Phone	
Please list any associations with ASHRAE Northeast chapter members.					
Name & Relation		Address		Phone	

**Basic Criteria which all Scholarships are granted:**

1. Full time enrollment in a college, university, or technical institute.  
Undergraduate students should be entering their sophomore, junior or senior year with at least one full year of studies remaining in the year for which the scholarship is granted. Graduate students can apply at any point during their studies as long as they have at least one full year of studies remaining in the year for which the scholarship is granted.
2. Study that is applicable to service in the HVAC&R profession.
3. A cumulative grade point average (GPA) of at least 3.0 on a scale where 4.0 is the highest (attach official transcript).
4. Association with the region covered by ASHRAE Northeast Chapter (Capital Region) by attendance to a school in the area or permanent address in the area.

I believe all of the above information to be true and complete and I hereby apply to the American Society of Heating Refrigeration and Air-Conditioning Engineers –Northeast Chapter for an ASHRAE Scholarship. I certify that I am not receiving full funding for my education from an employer, any branch of the Armed Services or any other organization.

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

Mail or email completed application to: Dave Ricci  
Johnson Controls Inc.  
116 Railroad Ave.  
Albany, NY 12205  
518-451-2700  
David.e.ricci@jci.com



# Message from Newsletter Editor

The Chapter would like to thank:

Jason Signor for presenting on Variable Refrigerant Flow.



## Business Card Ads

We are currently accepting business card advertisements for this year's newsletters. The cost of a business card ad is \$60.00 per year. The newsletter is published monthly, September through June (ten total issues).

Your business card ad will circulate to OVER 200 RECIPIENTS each month!



## Employment Opportunities

We are currently accepting employment opportunity advertisements for this year's newsletters. The cost of a business card ad is \$50.00 per month. Again, the newsletter is distributed to OVER 200 RECIPIENTS each month!

Interested in placing an ad? Please contact me at [Erick\\_moser@genpt.com](mailto:Erick_moser@genpt.com)





## Mechanical Engineer / Entry & Intermediate Levels

Stantec Consulting Services, Inc. 3 Columbia Circle, Suite 6, Albany, NY 12203 has immediate openings for entry and intermediate level mechanical engineers to help us further grow to support the needs of our clients. Our Albany office has decades of experience in buildings engineering via intelligent design with innovative execution. Our team in Albany specializes in buildings engineering with a strong emphasis on central utility systems and HVAC for industrial, pharmaceutical and biotech clients with extended experience in commercial, institutional, laboratory and higher education design.

### **Your Responsibilities:**

- Performing load calculations for new and renovation construction projects.
- Sizing and selection of mechanical and plumbing equipment (AHUs pumps, fans, plumbing fixtures, chillers, boilers, etc.)
- Produce complete sets of mechanical and plumbing drawings and specifications.
- Coordination of documents with other disciplines (Architectural, Structural, Civil, Electrical, Process) and ability to also work efficiently with construction contractors.
- Prepare engineering studies and schematic design for new HVAC/Utilities systems and analyze the operation of existing systems.
- Knowledge of mechanical and plumbing code requirements and ability to make interpretations or exceptions where required.
- The ability to manage, prioritize and expedite multiple priorities.



Assess project requirements, breakdown of project into tasks and coordination with Project Managers to determine scope of work for mechanical tasks.

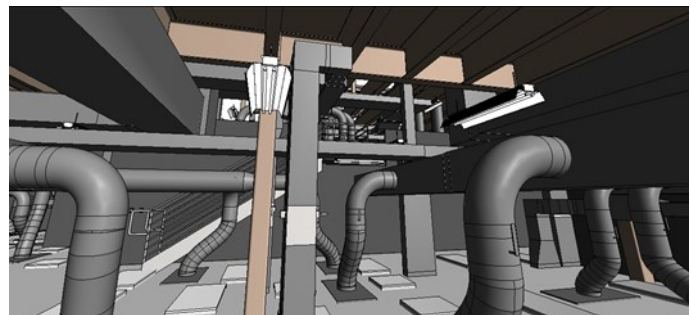
### **Your Capabilities and Credentials:**

- Bachelor's Degree in Mechanical Engineering or 7+ years of mechanical design experience
- Pharmaceutical, Biotech, Life Sciences or Laboratory design experience is preferred, but not required
- Registered Professional Engineer (PE) preferred, but not required
- HVAC and Utilities design experience
- Experience with AutoCAD, Revit, Trane Trace or Carrier HAP beneficial
- Must be able to work well independently as well as with a larger team of designers and engineers.

Must be detail-oriented with effective communication skills both verbally and written.

Stantec [[Stantec.com](http://Stantec.com)] offers a competitive benefits plan including health insurance, 401-K plan, dental, vision, employee stock purchase, vacation, paid holidays and more. Salary negotiated based on candidate qualifications. Send resumes to Jared Waugh.

Email: [jared.waugh@stantec.com](mailto:jared.waugh@stantec.com)



**Our Company**

SSOE is a leading design and construction management firm focusing on the industrial, food, automotive, energy, and advanced technology research/manufacturing sectors. Design and construction excellence, efficient delivery, and total client satisfaction have led to our unprecedented growth and leadership position. We are looking for strong candidates who share our vision and passion.

Established in 1948, we have 29 offices in 8 countries. The position described below is for our **Albany** location. To learn more about us, please visit [www.ssoe.com](http://www.ssoe.com).

**Positions Available**

Due to our increasing number of projects and growing clientele-base, SSOE is seeking a full time **Mechanical Project Engineer** to join our dynamic and innovative team. The Project Engineer will be responsible for performing a variety of engineering assignments and will oversee various projects by effectively utilizing resources to provide a finished product that meets all aspects of the construction/engineering specifications and design. It is desired that the candidate have 5-10 years of applicable experience. PE license preferred.

**Primary duties and responsibilities:**

Interface with multiple disciplines, Project Management, System Owners, customers, contractors and AHJ teams.

Manage engineering project workflows, delegate work and ensure projects are profitable and delivered on time.

Perform mechanical wet-side, hydronic systems design, mechanical dry-side HVAC and exhaust systems design.

Perform plumbing and fire Protection systems design, Process mechanical systems design and Control systems design.

Mentor junior staff

Prepare performance and equipment specifications

Provide technical supervision and direction of project team members (including engineers, designers, drafters and administrative personnel).

Review design documents prepared by other engineers, designers and drafters

**Knowledge, skills, and abilities:**

Mechanical design background in industrial and advanced tech facilities, cleanroom design experience a plus.

Project management skills including preparing budgets, proposals and tracking financial performance.

Central Utilities and Energy Plant Experience.

Experience in systems design and implementation from concept design and criteria development through commissioning and turnover.

Familiar with applicable Codes and Standards including ability to understand and apply Client's Design Standards.

Ability to read and interpret construction contract documents.

Effective communication presentation skills.

Some travel may be required.

Effective communication and impromptu problem solving skills

Must be authorized to work in the United States on a full-time basis for any employer. SSOE is a drug-free work place. All offers of employment are contingent upon successfully passing a drug screen with negative results, as well as clear background check results.

Only qualified candidates will be contacted. No phone calls or inquiries, please.

If you are interested in applying for this position, and you meet the requirements, please submit your resume and cover letter including salary requirements to: Paula Catellier at [pcatellier@ssoe.com](mailto:pcatellier@ssoe.com)



The Superior Group is seeking a Sales Engineer for a distributor in the Albany area.

Summary: Supports the company's sales goals through professional sales techniques and good customer service, maintains quality relations with existing accounts, and provides sales and marketing coverage by performing the following duties.

Duties and Responsibilities include the following. Other duties may be assigned.

- Develops maximum sales potential out of assigned territory through competitive sales techniques and knowledge of the company's products and services as well as the competition's strengths/weaknesses.\*
- Creates customized proposals to meet specific customer requirements in an efficient, detailed and timely manner.\*
- Builds and maintains quality relations with existing assigned accounts and increases volume of sales on a consistent basis.\*
- Utilizes company leads to expand current customer base and follows up all leads promptly.\*
- Stays abreast and advises management of market conditions regarding products, product updates, service offerings and new technologies through available resources by participating in appropriate professional organizations.\*
- Provides accurate and complete documentation for order entry and purchasing.\*
- Completes and submits sales reports each month on sales calls, outstanding quotes, jobs out for approval and quotes lost with complete documentation.\*
- Completes and submits expense reports and mileage logs on a monthly basis with complete documentation.\*
- Ensures a professional and orderly company image at all times.\*
- Attends and participates in company sales meetings.\*
- Assists in the training of co-workers as assigned.\*
- Occasional overnight travel may be required

#### Required Skills / Qualifications:

- Bachelor's Degree
- 6 years of experience in a technical sales role
- Valid driver's license
- Ability to lift 75 pounds
- 1 year of experience working with computer databases

#### Preferred Skills / Qualifications:

- Excellent communication, math and mechanical skills

#### **If interested call:**

**Connor Dean** | Recruitment Specialist  
Superior Talent Resources, Inc.

716.630.2979

# Northeast Chapter Officers and Board of Governors 2014-15

Chapter President:	Douglas Belokopitsky
President Elect/CTTC/Program Chair:	Dan Williams
Vice President/ Newsletter Editor:	Erick Moser
Treasurer:	David Houle
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Research Promotion Chair:	Chris Schmidt
Refrigeration Chair	Ray Hickey
Historian:	Stanley Westhoff
YEA:	Brian Meneghan
Government Activities:	Open

