

March 2016 Newsletter – SHERM's Famous Fish Fry

March Program – Contracting Roundtable Discussion, Steeple Gate Inn

Panelist Guests:

William Fogerson

Senior Engineer
Deere & Co – Harvester Works, East Moline
Mechanical Engineer – BS Southern Illinois University
Architectural Firm – Government Housing (previous)
Regional PM for Deere & Co (previous)

Mike Ernat

Senior Project Manager
Northwest Mechanical, Inc.
BA from Illinois State University
5 years Apprenticeship from Local 25
Foreman at NWM for 8 years
PM at NWM for 10 years

Dan Fisher

Estimator/PM at Crawford Co
4 year Apprenticeship from Local 91
Gabrilson, Fisher T & B
Foreman at Crawford Co for 10 years
Estimator/PM at Crawford Co for 12 years

March 2nd Program

Location: Best Western Steeple Gate Inn
100 W. 76th Street
Davenport, IA

Program: Contracting Roundtable
Discussion. Symposium
Room (Auditorium) at
Steeple Gate Inn

Agenda: 4:30-5:30 Presentation
5:30-5:45 Meeting
5:45-6:30 SHERM's
Famous Fish Fry

Menu: SHERM's Famous Fish
Fry

ASHRAE CRC – St. Louis – April 20th-22nd

Where: Hyatt Regency Downtown St Louis at The Arch. There is a block of hotel rooms at a discounted rate. Last day to reserve is March 23rd.

When: April 20th-22nd

Restaurant Recommendations:

Ruth's Chris Steak House (inside Hyatt)
Brewhouse Historical Sports Bar (inside Hyatt)
Cardinal Nation (located in Ball Park Village, 2 blocks away)
Budweiser Brewhouse (in Ball Park Village, 2 blocks away)

Please see below URL for signup!

<http://ashrae-stl.org/committees/2017-chapter-regional-conference-crc-committee/>

Major League CRC



2017 CHAPTER REGIONAL
CONFERENCE (CRC)

ASHRAE Classes and Certifications



ASHRAE is a great opportunity for in-person and online instruction. They continually offer classes, at a discounted rate to their members, throughout the year. ASHRAE also offers certifications to help you gain a competitive edge and distinguish yourself among your colleagues. Attached at the end of this newsletter are ASHRAE Learning Institute online class schedule, ASHRAE HVAC Design Training information, and ASHRAE Certifications flyer.

Winter Social Sponsors



TRANE®



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SIEMENS



Ziel-Carlson Inc



ASHRAE Chapter Nominations

Please come with nominations for cabinet positions during the March Meeting. People willing to donate their time are always welcome to help grow our chapter. Please feel free to inquire more about any position that you are interested in pursuing. Further information can be gathered from Craig, or the incumbent of the position you are interested in. All positions can be discussed, however the following positions are being enthusiastically marketed:

Treasurer: Work with the rest of the chapter cabinet to help manage our finances. Responsibilities include: help budget costs during the year, keeping track of our accounts, and participating in our Board of Governor's Meetings.

Secretary: Work with the rest of the chapter cabinet to keep the document organization operating efficiently. Responsibilities include: taking meeting minutes during the Board of Governor's Meetings, designing the monthly newsletter, and actively managing the google drive account.

Please register for this meeting by Sunday, February 26th.

Registration link for this month's meeting:

<https://www.eventbrite.com/e/march-chapter-meeting-contractor-round-table-tickets-29221146235>

If you are not a member of the Mississippi Valley ASHRAE Chapter, we would still like to you attend. An entry fee of \$20 will be accepted at the door for all non-members.

If you would like to become a member please follow this link: www.mississippivalleyashrae.org.

2016-2017 Calendar of Events

- **March 2nd 2017**
 - Contractor round table
- **April 6th 2017**
 - Distinguished Lecturer – David Underwood
 - Commissioning TIPS, Tricks, and Techniques
- **May 11th 2017**
 - Seismic Design
- **June 9th 2017 (Could change)**
 - Golf Outing

2016-2017 Officers/Board of Governors

<i>President:</i>	<i>Craig Sorensen</i>
<i>Vice President:</i>	<i>Available</i>
<i>Treasurer:</i>	<i>Andy Sirois</i>
<i>Secretary:</i>	<i>Dillan Dwyer</i>
<i>Past President</i>	<i>Allen Poppe</i>
<i>Member at Large:</i>	<i>Jake Vorac</i>
<i>Member at Large:</i>	<i>Brian Hodgkin</i>

2016-2017 Committee Chairs

<i>Membership:</i>	<i>Jerry Brown</i>
<i>Student Activities:</i>	<i>Justin Clegg</i>
<i>CTTC:</i>	<i>Cris Washburn</i>
<i>Research Promotion:</i>	<i>Cris Washburn</i>
<i>Historian:</i>	<i>Sherm Sweeney</i>
<i>Webmaster:</i>	<i>John Schaub</i>
<i>Programs:</i>	<i>Available</i>
<i>YEA:</i>	<i>Available</i>
<i>CRC Delegate:</i>	<i>Craig Sorensen</i>
<i>CRC Alternate:</i>	<i>Available</i>
<i>GGAC</i>	<i>Allen Poppe</i>

ASHRAE Learning Institute

2017 Online Course Series

2 WAYS TO REGISTER

Internet: www.ashrae.org/onlinecourses

Phone: Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

One-part course (3 hours) \$284 (\$219 ASHRAE Member) – – – Two-part course (6 hours) \$484 (\$359 ASHRAE Member)

Basics of High-Performance Building Design
Wednesday, February 8, 2017 – 1:00 p.m. to 4:00 p.m.

Designing Toward Net-Zero Energy Commercial Buildings
Tuesday, February 14, 2017 – 1:00 p.m. to 4:00 p.m.

ASHRAE Guideline 0: The Commissioning Process
Tuesday, February 21, 2017 – 1:00 p.m. to 4:00 p.m.

Commissioning Process & ASHRAE Standard 202
Monday, February 27, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Fundamental Requirements of Standard 62.1-2016
Thursday, March 9, 2017 – 1:00 p.m. to 4:00 p.m.

Commissioning Process in New and Existing Buildings
Part I: Monday, March 13, 2017 – 1:00 p.m. to 4:00 p.m.
Part II: Wednesday, March 15, 2017 – 1:00 p.m. to 4:00 p.m.

Design of Affordable & Efficient Ground Source Heat Pump Systems
Wednesday, March 29, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016: Envelope/Lighting
Wednesday, April 5, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016: HVAC/Mechanical
Tuesday, April 11, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016: Appendix G
Tuesday, April 18, 2017 – 1:00 p.m. to 4:00 p.m.

Air-to-Air Energy Recovery Fundamentals
Wednesday, May 3, 2017 – 1:00 p.m. to 4:00 p.m.

Air-to-Air Energy Recovery Applications: Best Practices
Tuesday, May 9, 2017 – 1:00 p.m. to 4:00 p.m.

Humidity Control: Basic Principles, Loads and Equipment
Tuesday, June 13, 2017 – 1:00 p.m. to 4:00 p.m.

Humidity Control: Applications, Control Levels and Mold Avoidance
Tuesday, June 20, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs
Tuesday, July 11, 2017 – 1:00 p.m. to 4:00 p.m.

Advanced High-Performance Building Design
Wednesday, August 9, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Fundamental Requirements of Standard 62.1-2016
Wednesday, September 6, 2017 – 1:00 p.m. to 4:00 p.m.

Designing High-Performance Healthcare HVAC Systems
Tuesday, September 19, 2017 – 1:00 p.m. to 4:00 p.m.

Laboratory Design: The Basics and Beyond
Tuesday, October 10, 2017 – 1:00 p.m. to 4:00 p.m.

Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems
Monday, October 16, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016
Part I: Wednesday, November 1, 2017 – 1:00 p.m. to 4:00 p.m.
Part II: Tuesday, November 7, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs
Tuesday, December 5, 2017 – 1:00 p.m. to 4:00 p.m.

ASHRAE HVAC Design Training

2 Courses, 5 Days of Intense Instruction

Atlanta • Dallas • Doha • Hartford • Toronto

HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II – Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register and learn how your Chapter can earn PAOE points.

Contact Karen Murray (kmurray@ashrae.org) to discuss scheduling ASHRAE HVAC Training in your Chapter area.

The Benefits of an ASHRAE Certification

SHINE IN A RISING FIELD

Certification validates critical job knowledge, skills and abilities in a given practice area.

GAIN A COMPETITIVE EDGE

ASHRAE certifications are recognized by over 30 national, state and municipal entities.

DISTINGUISH YOURSELF

Use the ASHRAE Certified logo and designation—e.g. Curtis Smith, BEAP, BEMP—in email signatures, professional networking and business cards to enhance your reputation.

LET ASHRAE PROMOTE YOUR ACHIEVEMENT

Certificants and their employers are listed on the website and in ASHRAE *Insights*.



5 Easy Steps to Earn and Maintain an ASHRAE Certification

1. Read the Candidate Guidebook

Visit www.ashrae.org/certification and download the guidebook for the program in which you are interested.

2. Complete the Application

Complete the online application at www.ashrae.org/certification. Membership in ASHRAE is not a requirement for certification.

3. Schedule an Examination

BCxP, BEAP, BEMP, HBDP, HFDP and OPMP examinations are offered at over 300 conveniently located computer-based testing centers worldwide. Candidates may schedule an examination appointment online or by telephone.

4. Review Available Resources

The *Candidate Guidebook* for a program identifies available resources, including practice exams, that may help candidates gain an understanding of the body of knowledge that the examination tests. Purchase of books or course registrations is not a prerequisite to taking any ASHRAE certification examination.

5. Renew the Certification

Each certification is renewable every three years. To retain certification, each certification holder must earn 45* Professional Development Hours (PDHs) during the three-year period following initial certification or the last renewal.

*BCxP requires 50 PDHs

Schedule an exam at one of over 300 testing centers worldwide TODAY!

To learn more or apply, please go to www.ashrae.org/certification

ASHRAE Certification

More than 2,500 professionals certified in six key built-environment fields.

Are You Ready to Join Them?



Validation. Pride. Recognition.

"Because of the high level of expertise, professionalism and ethics demonstrated by ASHRAE, achieving certification under their established requirements implies one of the highest levels of competence and knowledge available in the industry."

Jeffrey G Ross-Bain, BEMP, Ross-Bain Green Building, LLC



ASHRAE, the standard setter for sustainable building performance and system design and operation, validates through certification the critical knowledge, skills and abilities of professionals in six key, built-environment fields.

Recognized by over 30 national, state and local government bodies – and with over 2,500 certifications earned – ASHRAE certifications increasingly have become the must-have credential for built-environment professionals.

Building Energy Assessment Professional (BEAP)



The growing emphasis on energy consumption reduction and cost savings has highlighted the need for credible specialists who assess energy use in buildings. The BEAP certification validates competency to audit, assess and analyze residential, commercial and industrial building energy use and develop and implement recommendations.

The BEAP certification is integral to ASHRAE's Building Energy Quotient (BuildingEQ) program, as is its BEMP certification. Together, the programs provide a valuable toolkit when it comes to the evaluation and reduction of building energy use. Two separate Workbooks, As Designed and In Operation, are part of the BuildingEQ program. Submitting both of these Workbooks can earn an As Designed and In Operation building rating. Only those certified as BEAPs, or Professional Engineers licensed in the jurisdiction where a BuildingEQ project is located, may submit the In Operation Workbook. Additionally, only BEAPs (and BEMPs whose certification relates to the As Designed Workbook) may display the BuildingEQ Certified Provider logo with descriptions of their services.

Building Energy Modeling Professional (BEMP)



The BEMP certification validates competency to evaluate, select, implement, calibrate and interpret the results of energy modeling software when applied to new and existing building and systems energy performance.

The BEMP certification complements ASHRAE's Building Energy Quotient (BuildingEQ) program by helping to ensure that only qualified practitioners can submit As Designed Workbooks to receive building ratings from ASHRAE. Only those certified as BEMPs, and Professional Engineers licensed in the jurisdiction where a BuildingEQ project is located, may submit the As Designed Workbooks to ASHRAE. Like BEAPs who may submit In Operation BuildingEQ Workbooks, BEMPs may display the BuildingEQ Certified Provider logo with descriptions of their services.

Building Commissioning Professional (BCxP)



The BCxP certification validates competency to lead, plan, coordinate and manage a commissioning team to implement commissioning processes in new and existing buildings.

Many building owners look for ways to lower energy bills, reduce change orders during construction, avoid premature equipment replacement costs, and create safer and healthier buildings. Building commissioning measures and tunes up performance of existing buildings and ensures that new buildings begin their lifecycle at optimal productivity.

High-Performance Building Design Professional (HBDP)



The HBDP certification, an ANSI accredited certification program, validates competency to design and integrate sustainable HVAC&R systems into high performing buildings.

Today's building design market requires use of ground-breaking technologies in new and existing structures to meet the need of building owners.

Healthcare Facility Design Professional (HFDP)



The HFDP certification validates competency to incorporate standards, guidelines and regulatory codes as well as unique healthcare facility requirements and design principles in HVAC system design.

Growing numbers of aging medical facilities, advances in technology, shifting environmental requirements and an increasingly older population have created a critical need for expansion and renovation of healthcare facilities.

Operations & Performance Management Professional (OPMP)



The OPMP certification validates competency to manage facility operations and maintenance to achieve building performance goals, including those related to indoor environmental quality, health and safety.

Today's complex buildings can fade from green to gray when building operators don't realize the full potential of the systems they manage. Staying current with the latest facility operation strategies and technologies can reduce energy use in buildings by 10% to 40%.

Value of Earning Your ASHRAE Certification

In a recent "Value of Certification" survey, this is what ASHRAE-certified professionals had to say:

- ASHRAE Certification validates my level of specialized knowledge and ability (89%).
- ASHRAE Certification helps differentiate me from my peers (82%).
- In my field, ASHRAE Certification has provided me with greater professional recognition (73%).