Newsletter
November 13th, 2018 meeting at University of Memphis

This meeting is held in the Fogelman College of Business

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Presidents Corner

The ASHRAE Winter conference and AHR Expo is coming up in Atlanta, GA on January 12th thru the 16th at the Omni CNN Center and Georgia World Congress Center. Be sure to check out the technical offerings if you go.

We’ve got an awesome November meeting with ASHRAE Distinguished Lecturer, Devin Abellon. And don’t forget we will be meeting in the Fogelman building.

I would like to say a huge thanks to our BOG. Thank you all for your hard work!

In lieu of our December meeting, we will have our annual Christmas Party. We will be meeting at Central BBQ on Friday December 7th at 1pm at Central BBQ on Summer Ave. So come out, bring a toy for Toys for Tots, and enjoy some good fellowship. We will also be hosting a YEA event on December 6th for some bowling at Billy Hardwicks. This event is not restricted to YEA member, so if you wanna come hang out with some of you peers for some “competitive/not really competitive” bowling, come on out.

Lastly, I would like to extend a congratulations to Rachel Gorman who welcomed a new baby girl, Charlotte Jane, on September 25th. We wish her and her family the best.

Sincerely,

Daniel Longserre, PE
President
ASHRAE Memphis Chapter.
The integrity of the HVAC industry is dependent on sound technical design, reliable products, skilled construction practice and consistent maintenance and operation. But another critical element that is sometimes overlooked is professional ethics. As members within the HVAC industry engineers, contractors, architects, manufacturers, vendors and building owners are expected to exhibit the highest standard of honesty and integrity to safeguard the confidence that the public has in us. In this very competitive climate, however, it is sometimes tempting to "bend the rules" to some degree in order to gain an advantage over competition or to simply get the job done on time. But how much is too much? Is there a clearly defined line between ethical practice and "just the way things are done?"

“The (un)Ethical Engineer” is an interactive, multimedia, dramatic presentation that explores these issues through the eyes of a well-intentioned engineer.

Presenter Bio:

Devin Abellon, P.E., is the Business Development Manager for Engineering Services at Uponor North America. He has over 20 years of experience in the HVAC and plumbing industries with a focus on sustainable building design and construction. He holds a Bachelor of Science degree in Mechanical Engineering from the University of California at Santa Barbara and is a registered professional engineer in California and Arizona. Abellon is an active member of the American Society of Plumbing Engineers (ASPE) and the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). He serves on ASHRAE Technical Committee TC 6.5 Radiant Heating and Cooling, the Conferences and Expositions Committee, the Nominating Committee, and is an ASHRAE Distinguished Lecturer.
2018 - 2019 ASHRAE Memphis Calendar:

November 13th Meeting: The (un)ethical engineer
Meeting & Presentation by Devin Abellion in the Fogelman College of Business

YEA Event
Bowling Night at Billy Hardwicks December 6th 6-8pm
Please RSVP to Evan.Wester@trane.com
Significant other welcome!

Holiday Party
December 7th from 1-3pm at Central BBQ at 4375 Summer Ave

January 8th Meeting: Fan Selection for Code Compliance
Meeting & Presentation by Brent Fullerton in the Tennessee Ballroom

January 12th - 16th
2019 AHR Expo in Atlanta

February 12th Meeting: Integrating Indoor Air Quality & Energy Efficiency
Meeting & Presentation by William Bahnfleth in the Tennessee Ballroom

March 12th Meeting: High Temp Heating & Ventilation
Meeting & Presentation by David Binz in the Tennessee Ballroom

April 9th Meeting: TBD
Meeting & Presentation in the Tennessee Ballroom

ASHRAE Memphis Golf Tournament: TBD

May 14th Meeting: Filtration Optimization
Meeting & Presentation by Rick Brundage in the Tennessee Ballroom
YEA Bowling Night at Billy Hardwicks!

December 6th from 6 to 8pm
1576 S White Station Rd, Memphis, TN 38117
RSVP to Evan.Wester@trane.com
Significant others welcome

ASHRAE Memphis Holiday Party

December 7th from 1 to 3pm
2249 Central Ave, Memphis, TN 38117
Supporting Toys for Tots
ASHRAE is pleased to announce registration is open for its 2019 Winter Conference, to be held in Atlanta, Ga., Jan. 12–16, at the Omni Hotel Atlanta at CNN Center and the Georgia World Congress Center. Registration for the conference provides entry to the co-sponsored AHR Expo, to be held Jan. 14–16 at the Georgia World Congress Center.

The ASHRAE Winter Conference features eight conference tracks, tours, social events, and a keynote speech from Grant Imahara, a former host of Discovery Channel’s MythBusters.

The conference presents the latest topics in the HVAC&R industry through a technical program featuring more than 100 sessions and 300 speakers.

“Technology, operational demands, codes, and design objectives are constantly changing. System designers, manufacturers, representatives, and contractors must continually adapt to a changing industry landscape,” says Corey Metzger, conference chair. “The 2019 ASHRAE Winter Conference will provide a valuable opportunity for the sharing of knowledge and information, and the technical program at the conference will provide a venue for a wide range of presentations and discussion.”

More Information Here:
Power Equipment Company of Memphis, now serving customers in Arkansas, Mississippi, and Tennessee, has been in business for almost 80 years.

Founded in 1927 as a manufacturer’s representative and then called Steam Equipment Company, the firm since has expanded continuously in terms of personnel, products and – most importantly – service.

Power Equipment Company’s service concept existed from the inception of the firm. John S. Bronson, Founder, equipped with a mechanical engineering degree from the prestigious Massachusetts Institute of Technology was founder and president with Mildred McBride serving as secretary and sole employee.

Four years later, M. J. Mallery, an electrical engineer who graduated from the University of Missouri, joined the firm as a partner and its name was changed to Power Equipment Company. To this point, the company continued to concentrate its efforts exclusively in representation of equipment manufacturers.

Both steam and electrical power equipment were sold by the firm in Mississippi, Arkansas, and Tennessee.

In 1947, Benton Mallery, M. J. Mallery’s son, joined the company and formed the boiler department bringing with him the Cleaver-Brooks boiler company. In 1958, Benton brought Jack Blake into the company as an outside salesman to help him call on the industrial and contractor trade, as well as working with Consulting Engineers.

In 1969, Joe Brackett joined the company, coming from Armstrong International in Three Rivers, Michigan. Joe became an outside salesman in Arkansas. In the ensuing years, Power Equipment Company continued to grow and added a Pump Department representing Viking, Sandpiper, and other process pumps, and an Air Compressor Department representing Gardner-Denver, among other air related products.

As the company grew, a Rental Department was added to provide boilers and air compressors to meet short-term customer’s needs. The fully staffed Service and Parts Department continues to serve the customer’s needs in boiler, air compressor, pumps, and steam specialties. This department services the customers 24 hours a day.

As the company continues to grow, it has opened offices in Little Rock, Arkansas, Jackson, Mississippi, Knoxville, Tennessee, and Tupelo, Mississippi.

The company is now owned & directed by Joe Bracket, CEO, and Rob Brackett President. They are ably assisted by other ASHRAE members, David Branch, Vice President of the Boiler Department, Keith Duncan, Specialty Department sales, and Brent Wiseman, boiler sales.

Jerry Gatlin, editor, Chapter Historian
JOB DESCRIPTION

POSITION: Senior Designer I

DESCRIPTION: Under the general direction of the Project Manager and Senior Engineers, provides designs, project layouts, and contract documents in accordance with company design standards and client requirements. Assists in the development and supervision of drawings and plans required to complete a project design in a particular discipline. Communicates design issues and problems with the project engineer as needed.

REPORTS TO: Department Head or Operations Director

CLASSIFICATION: Exempt

ESSENTIAL FUNCTIONS:

- Processes drawings received from the architect into models that can be used by the design team
- Coordinates initial project set up and continuously ensures the team has the current model through communication with the architect
- Prepares electronic drawings with accuracy, neatness, and efficiency using industry software
- Develops design approaches and concepts on assigned projects in coordination with the project engineer
- Implements design requirements as related by design team
- Performs system design layout and sizing for assigned projects
- Assists in the studies, load calculation, and selection of equipment to fit the project design
- Anticipates problems and potential conflicts and provides recommended solutions to team members
- Reviews shop drawings, records changes, and keeps all disciplines informed of details and schedules
- Attends project update meetings with both clients and team members
- Assists the design team in the coordination with external and internal contacts such as owners, architects, and other disciplines
- Communicates design requirements and answers questions from contractors and suppliers during the bid or construction phases
- Maintains detailed records of communications with clients, contractors, vendors, and team members
- Coordinates the contract documents with the construction administrators and may perform on-site inspections during construction as required; may serve as Construction Administrator as needed
- Performs collision changes in Navisworks as collisions are identified by the design team
- Visually reviews plans for defects in design work
- Assists in the development of man-hour budgets and performs tasks in accordance with the budget by accurately quantifying the amount of effort needed to complete tasks
- Communicates with team members, project manager, other disciplines, and outside vendors to obtain necessary information on drawings
- Assists the design team in the process of putting a set of drawings into an organized package
- Maintains a continued focus on the latest code requirements, design software, and other industry trends
- Assists in the training and mentoring of designers and EITs
- May assist or supervise in data collection and/or field verification
May hold project manager responsibilities on some projects; tasks include establishing project scope with the client, scheduling work, maintaining communication with the client, attending meetings, overseeing profitability, implementing a QA/QC plan, and performing job close out processes

May collaborate with a team of designers and engineers on the standardization of design practices and procedures, QA/QC, and current issues facing the design group

KNOWLEDGE, SKILL, AND ABILITY REQUIREMENTS:

KNOWLEDGE
- Demonstrated proficient knowledge of AutoCAD, Revit, Navisworks, and discipline specific engineering software (i.e., TRACE, HASS, and SKM)
- Thorough knowledge of Microsoft Office Suite (i.e., Word, Excel, PowerPoint, and Outlook)
- Knowledge of state and/or local construction guidelines
- Knowledge of applicable codes and standards
- Knowledge of construction terminology
- Knowledge of basic math
- Knowledge of systems integration
- General knowledge of engineering theories and methodologies
- General knowledge of applicable engineering discipline

SKILLS and ABILITIES
- Interpersonal Skills- ability to interact positively and work effectively with others
- Comprehension – ability to understand information, ideas, and direction presented in writing and/or verbally communicated
- Written Communication Skills – ability to clearly deliver a message through written words using correct grammar, spelling, and punctuation
- Speech Clarity – ability to speak clearly and in a common language so that others can understand you
- Detail-Oriented – ability to achieve accuracy and thoroughness when accomplishing a task; pays attention to details and is able to understand the cause of a certain outcome
- Judgment and Decision-Making Skills – ability to make reasoned judgments that are logical and well thought out; constructively questioning and analyzing information in order to make the best conclusion
- Organizational Skills – can marshal resources (people, funding, material, support, etc.) to get things done; can orchestrate multiple activities at once to accomplish goals; uses resources effectively and efficiently; arranges information and files in a useful manner
- Technical Writing Skills – skilled in the area of summarizing or explaining technical information in a clear, concise, and accurate way, communicating the point intended
- Influence – ability to help others understand one’s point of view
- Mentoring Skills – as a more experienced colleague, is able to provide support and feedback to less experienced colleagues; acts as a source of guidance, assistance, and expertise to less experiences colleagues
- Foresight – ability to predict what is likely to happen in the future
MINIMUM QUALIFICATIONS:

- Two-year technical degree in an applicable discipline plus six years applicable experience OR eight years applicable experience
- Three years of experience with large scope projects
- Experience in performing system or project designs with only general technical supervision from engineering staff
- Capable of reading and interpreting plans from other disciplines (i.e., architectural, structural, civil, plumbing, electrical, mechanical)

PHYSICAL DEMANDS: (The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of the job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.)

- Frequently use a computer for several hours at a time
- May need to periodically maneuver over, under, and around barriers as well as climb ladders on a job site
- May need to periodically transport ladders and plans weighing up to 30 pounds

WORK ENVIRONMENT: (The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.)

- Indoors in a normal office environment with some exposure to excessive noise, darkness/poor lighting, fumes, or dust
- May travel to and navigate construction sites, some of which may be at high altitudes or small spaces with dirt or dust particles
- Minimal overnight travel