September 11th, 2018 meeting at University of Memphis

This meeting is in the Tennessee Ballroom

In this Issue
President’s Corner - Page One
Meeting Info - Page Two
Calendar of Events - Page Three
2019 AHR Meeting Info - Page Four
Job Opening - Page Five

Click Here to Donate to ASHRAE Memphis

Click Here for the current issue of the ASHRAE Digital Journal
Welcome back to another exciting ASHRAE year. I would like to say a special thanks to Capser Briggs for doing such a great job last year as President. He did an excellent job steering the ship and volunteering his valuable time to the ASHRAE community.

We have an excellent group of ladies and gentleman this year, serving on the board this year. Mariel Meegan as President-Elect, Rachael Gorman as Programs Chair, and Alan Watts as Secretary, Mike Bilderbeck as Government Affairs Chair, Tom Bird as Treasurer, Casper Briggs as the Research Promotions Chair, Russ Fletcher as Honors and Awards, Evan Wester for Young Engineer Activities, Jerry Gatlin as the Historian, and Matt Maynard as our Electronic Communications Chair, and Jesse Taylor as Membership Promotions Chair.

I would just like to say thank you to all those who are currently and who have served on out local ASHRAE board. It means a lot to me to see so many of you give back to the engineering community.

Stay tuned for our Christmas Party, Future ASHRAE social events, and our golf tournament.

Sincerely,

Daniel Longserre, PE
President
ASHRAE Memphis Chapter.
What Does Open Really Mean for BAS System

This presentation considers the context, misconceptions, misrepresentations, assumptions and use of the word “Open” in reference to Building Automation Systems (BAS). The presentation looks at the evolution of BAS architecture and network communications protocol development, examines proprietary and open protocols in this historical context, proposes BAS specifications, procurement and support considerations, and looks at the different types and levels of integration with the IT infrastructure 3rd party software applications and other facility operational technology devices and systems. Participants are encouraged to express their initial and closing perceptions of the meaning of “open” with regards to BAS, to discuss the value and impact on the secure operation of their buildings, and to weigh the value of integration regarding energy management and building operations.

Mike Kenworthy; Johnson Controls Systems Products
Mike provides presale and post-sale support for our Metasys Control and I/O products within the Southeast Region. Mike assists the sales force and project engineers in application and execution of the controls projects. Mike works as a liaison between the factory and the field teams. Mike is also responsible for working with our marketing and engineering organization to develop new processes and innovations of our products to ensure customer satisfaction. Mike brings 25 years of engineering and sales experience, building on his degree in Electrical Engineering from Stevens Institute of Technology. As a senior business developer and channel management professional, Mike has focused his sales career on controls, industrial and building automation, and energy management. He has held leadership positions as a Senior Engineer, Sales Director, and Account Manager at major companies such as Foster Wheeler, ABB, SAIC and Schneider Electric. Most recently Mike is with the Johnson Controls Metasys products account management team and Enterprise Optimization sales team which promotes JCI smart BAS allowing users to easily navigate by space from any mobile device and cloud based deep building insight and analytics technology to help energy managers run their buildings in the most efficient manner possible.
2018 - 2019 ASHRAE Memphis Calender:

September 11th Meeting: Open BAS & What it means
  Meeting & Presentation by Mike Kenworthy in the Tennessee Ballroom

October 9th Meeting: BIM
  Meeting & Presentation by Steven Stephens in the Fogelman College of Business

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

December
  TBD: Holiday Party

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

May 14th Meeting: Filtration Optimization
  Meeting & Presentation by Rick Brundage in the Tennessee Ballroom
2019 Winter Conference & AHR Expo in Atlanta: January 12th thru 16th, 2019

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:
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