Current BOG

President
Daniel Longserre
901.372.0404

Secretary
Alan Watts
901.452.6283

President Elect
Mariel Meegan
901.384.8400

Treasurer
Tom Bird
901.345.6100

Tech Transfer
Rachel Gorman
901.383.5770

R&P
Casper Briggs
901.260.9854

Membership
Jesse Taylor
901.367.1180

Historian
Jerry Gatlin
901.452.2500

Memorials
Ken Jack
901.324.6610

YEA
Evan Wester
901.345.6000

Refrigeration
Daniel Longserre
901.372.0404

Honors & Awards
Russ Fletcher
901.761.0885

Student Activities
Daniel Longserre
901.372.0404

Digital Comm
Matt Maynard
901.624.6960

K-12 STEM
Jack Griffith
901.379.0500

Government Affairs
Mike Bilderbeck
901.729.5502

Newsletter
April 9th, 2019 meeting at University of Memphis

This meeting is held in the Tennessee Ballroom

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Click Here for the current issue of the ASHRAE Digital Journal

Click Here to Donate to ASHRAE Memphis
Presidents Corner

Chapter Members,

I just wanted to personally thank all of those who have donated so far to the ASHRAE golf tournament. You have helped out chapter, region, and society out immensely. With that said, we do have some other sponsorship opportunities available as well as spots for teams. So come on out, have a good time, and hang out with your peers. We do have some availability for volunteers even if you don’t play golf, or even want to get out of the office.

We’ve also got a YEA event coming up (it’s open to anyone who wants to come) on Friday, May 10th. This year we are going to be touring the Crosstown Brewery. ASHRAE will cover the cost for this, but we need a headcount by May 3rd. Any people who want to show up without signing up will have to cover their own way.

Looking forward to seeing everyone on Tuesday.

Sincerely,

Daniel Longserre, PE  
President  
ASHRAE Memphis Chapter.
28th Annual Golf Tournament
April 26th, 2019
Four Person Scramble

Thank you to our 2019 Sponsors so far!
Title Sponsors

Laura Barrow Co.
DELIVERING HVAC SOLUTIONS

RUSKIN
AUTHORITY IN AIR CONTROL

Lunch

TRANE

Drink Cart

Fluid Systems

Putting Contest

Team & Hole Sponsor

Air Components Inc.

GIPSON MECHANICAL CONTRACTORS

Hole & Closest to the Pin Sponsors

Gorham/Schaffer

MECHANICAL SYSTEMS

Company, LLC

MECHANICAL SYSTEMS

Company, LLC

OMPrien

Equipment

Computer Environment

Griswold Controls

A FlowCan International/Griswold Controls LLC Company

Memphis Reprographics

EK

EWING | KESSLER

Power Equipment Company

Mills Wilson George

To register a team or claim a sponsorship contact:
Daniel Longserre 901.820.0820  dlongserre@allenhoshall.com

Your Name Here
Benefiting Your Memphis ASHRAE Chapter with a portion donated to ASHRAE Research Promotion, including the JR Anderson* Travel Award and the JR Anderson Building Commissioning Certification Award.

Sponsorship Opportunities:

- **Title - $2,500**
  *Includes two teams
  Winner takes home a prize with these mini-games!
- **Lunch - $1,000**
  *Includes one team
  Putting Contest - $500  Sink the long putt to take home a prize!
- **Drink Cart - $1,000**
  *Includes one team
  Water Wedge Shot - $500  Can you chip it into the floating target?
- **Hole - $250**
- **Longest Drive - $250**
- **Accurate Drive - $250**
- **Closest to Pin x 4 - $250ea**
  Marshall Swing - $500  Test your long drive skills on a marshmallow!

*JR Anderson was a well-known member of ASHRAE, particularly for the Memphis Chapter. He gave of himself tirelessly – to colleagues and students, to ASHRAE and other organizations. JR loved helping young people – whether in school or early in their careers. The travel award would not only get the student to ASHRAE’s annual conference, but the recipient would also be paired up with a mentor for the duration of the conference, to provide additional assistance and knowledge. Through the Certification Award, a YEA (Young Engineer in ASHRAE) Member could earn their Building Commissioning (BCxP) certification which validates critical job knowledge, skills and abilities and enhances their reputation.

To register a team or claim a sponsorship contact:
Daniel Longserre  901.820.0820  dlongserre@allenhoshall.com
Benefiting Your Memphis ASHRAE Chapter with a portion donated to ASHRAE Research Promotion, including the JR Anderson* Travel Award and the JR Anderson Building Commissioning Certification Award.

Lunch begins at 11:00am
12:30pm Shotgun Start

$125.00/Participant

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<th>Participants</th>
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Total ________________

Providing Prizes for First & Second Place in the First & Second Flight and Last Place!

Make Checks Payable to:
ASHRAE Memphis Chapter

Send Checks to:
Gorham/Schaffler, Inc.
3095 Stonebrook Circle
Memphis, TN 38116

To register a team or claim a sponsorship contact:
Daniel Longserre 901.820.0820 | dlongserre@allenhoshall.com
Optimized Chilled Water System Designs and Building Efficiency

Presented by Brett Monteleone - JCI

Brett Monteleone is the Regional Sales Manager covering the entire chiller line of business for the South Region. In his 12 years with York and JCI, he has held different local and regional positions in Orlando, Jacksonville and now works directly for JCI’s corporate headquarters in Milwaukee, WI. In his current role, he is responsible for the promotion and application of JCI’s entire portfolio of chillers and heat pumps. His career has been specifically focused on overall system optimization and design. He has supported the application of JCI’s chiller offering on projects throughout the USA and abroad in South America, North Africa, the Middle East and the Caribbean. Seawater cooled titanium centrifugal, radiator cooled centrifugal and waterside cascade are just a few of the unique project applications Brett has lead in his career. Brett holds a BSIE from the University of Florida and is a LEED Accredited Professional.
2018 - 2019 ASHRAE Memphis Calender:

April 9th Meeting: Optimized Chilled Water Systems Designs & Building Efficiency
Meeting & Presentation by Brett Monteleone in the Tennessee Ballroom

ASHRAE Memphis Golf Tournament
April 26th, 2019 at Wedgewood

May 10th YEA Event
Crosstown Brewery - RSVP to evan.wester@trane.com by May 3rd.

May 14th Meeting: Filtration Optimization
Meeting & Presentation by Rick Brundage in the Tennessee Ballroom
Newsletter
April 9th, 2019 meeting at University of Memphis

YEA - Crosstown Brewery

CROSSTOWN BREWING CO

May 10th
RSVP by May 3rd to Evan.Wester@trane.com
Everyone Welcome
Current Job Listings:

Thompson Engineers, Inc., a nearly seventy-year-old Memphis firm, is looking for an experienced hvac designer/engineer, PE license preferred, competent in Revit. We are also accepting resume’ submissions for an experience plumbing designer.

Please email resume’ to info@thompsonengineers.com

Current Job Listings, provided by AEC Recruiting:

1001MTNF - We have a Memphis AE firm looking for a Mechanical Engineer (MEP) with 5-10 years’ experience (PE preferred). This candidate should have strong design and project management experience and will serve as the lead Mechanical Design Engineer. This candidate will manage and assist with work on all phases of various mechanical engineering projects including design development, preparation of presentation drawings and specifications, design review, coordination and correlation of construction drawings. CAD software experience should include Revit MEP and ACAD.

1003MTNF - We have a Memphis AE firm looking for an Electrical Engineer (MEP) with 5-10 years’ experience (PE preferred). This candidate should have strong design and project management experience. This candidate will manage and assist with work on all phases of various mechanical engineering projects including design development, preparation of presentation drawings and specifications, design review, coordination and correlation of construction drawings. CAD software experience should include Revit MEP and ACAD.

1007MTNF - We have a Memphis AEC firm looking for an Electrical Engineer or Designer (MEP) with 5+ years’ experience. ACAD and Revit MEP experience required.

For more info contact Darren Bobbitt: dkbobbitt@aecrecruiting.net
Nick Drane
169 Roberta Drive, Memphis, TN 38112- 901-326-2993- ndrane@cbu.edu

Education

Christian Brothers University- Memphis, Tennessee, August 2015-present

B.S. Mechanical Engineering- (Expecting Graduation: May 2019), Major GPA: 2.96

Skills

• Proficient in Microsoft Office
• Efficient with Solidworks and PTC Creo Parametric 3.0
• Capable of coding with MatLab, LabVIEW, Access, and Visual Basic
• Completed projects using manufacturing processes
• Ability to read and construct isometric and orthographic drawings
• FAA part 107 license and ability to commercially operate drones

Work Experience

Aldelano Engineering Intern- Jackson, Tennessee, October 2018-present

• Currently designing an environmental chamber to test a solar powered Watermaker
• Researched topics including graphene batteries in solar applications, improving the life of produce, and government policies that apply to selling products internationally

Grace Medical Engineering Intern- Bartlett, Tennessee, June 2017-December 2018

• Developed a system to document and design manufacturing fixtures
• Conducted experimental test and wrote technical reports including IQ, OQ, and PQs
• Using Solidworks created models and drawing for medical instruments, ear implants, and manufacturing fixtures

Paid Research Study- Christian Brothers University, January 2017-December 2018

• Assisted in developing a flow bench
• Currently using this flow bench to analyze and improve the efficiency of the volumetric flow rate of ionized air through various materials
  o Constructed a poster that was presented at the Annual Meeting for the Electrostatic Society of America
  o Published paper to the IESTOC 2019 journal

Leadership

American Society of Mechanical Engineers- Christian Brothers University, January 2017-present

• President –April 2018-present
  o Conducted the organization to ensure the professional goals were achieved
  o Organized and lead officer meetings
• Secretary –April 2017-April 2018
  o Corresponded information to members regarding the upcoming chapter events and meetings

Theta Tau Professional Engineering Fraternity- Christian Brothers University, January 2016-present

• Events Coordinator-January 2017-January 2018
  o Assisted in the planning of CBU BUC-E Day to help foster interest in STEM subjects for future students
  o Organized a First Lego League Qualifier with hundreds of participants at CBU
• Service Chair- April 2016-December 2016
  o Prepared events to benefit and raise donations for Habitat for Humanity
Andrew Ozanich  
1456 Wolf Hunt Drive  
Collierville Tennessee, 38017  
(901) 651-8928  
aozanich@cbu.edu

Education  
Christian Brothers University – Memphis, Tennessee  
**Bachelors in Mechanical Engineering**, GPA 3.89  
Honors Program, Dean’s List 2015-Current, Tau Beta Pi Engineering Honors Society  
Expected Graduation May 2019

Skills and Qualifications

- Skilled in Matlab Programming, CREO Parametric, Inventor Autodesk, AutoCAD Autodesk, MS Office
- Technician Radio License, FAA Part 107 Remote Pilot’s License
- Spent time shadowing a Senior R&D Engineer at Medtronic Spine and Biologics to tour the facility as well as experience the daily tasks and requirements of a R&D engineer

Relevant Work Experience

**R&D Engineering Intern**, National Guard Products/Jordan Aluminum, February 2018-Current

- Machine component designs for extrusion press to increase manufacturing uptime and safety
- Created machine design that saves the company $1,000 daily, approximately $250,000 yearly
- Caustic tank system design to increase capacity and improve DIE cleaning process
- CNC fixture tank system design to increase fabrication efficiency
- New product testing and implement 3D printing model capability
- Patent Research
- Process implementation for new products
- Sales engineering quoting

**Senior Design Project**, Christian Brothers University, May 2018-Current

- Design of a modular, fixed-wing unmanned aerial system
- Design configurations for a number of flight modes and easy transition between configurations
- Design of fuselage and wings for high speed as well as long endurance modes of flight
- Medical delivery and survey camera flight system integration
- Design of both takeoff and landing systems
- Programming of on board flight systems

Leadership & Activities

Member of Theta Tau Professional Engineering Fraternity

**Treasurer**, January 2018-January 2019

- Create a budget for the Fraternity
- Collect dues of the members and pay National dues
- Create and manage a bank account for the Fraternity
- Head meetings and perform general leadership duties of an Executive Council Member

**Philanthropy Service Chair/Committee Head**, December 2016-December 2017

- Planned and led events associated with our philanthropy, Habitat for Humanity, as well as stayed in contact with our representative from Habitat for Humanity
- Planned and headed fundraising events for the fraternity
- Headed meetings for the Service Committee

Member of CBU Honors Program, August 2015-Current

Member of Tau Beta Pi Engineering Honors Society, September 2017-Current

Member of Alpha Chi Honors Society, January 2019-Current
References

**Dr. James Aflaki**
Professor, Mechanical Engineering  
Christian Brothers University  
(901) 321-3559  
jaflaki@cbu.edu

**Dr. Michael June**
Professor, Mechanical Engineering  
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**Dr. Eric Welch**
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Christian Brothers University  
(901) 321-3425  
ewelch@cbu.edu

**Dr. Paul Shiue**
Professor, Mechanical Engineering Chair  
Christian Brothers University  
(901) 321-3424  
pshiue@cbu.edu
Powell McCaleb

261 Bennett Rd Vaughan MS, 39179 | 662-571-7746 | powellmcc0315@gmail.com

Objective
To find a job that utilizes my communication, mechanical engineering, and business knowledge

Education

SENIOR | UNIVERSITY OF MISSISSIPPI
· Major: Mechanical Engineering
· Current Engineering GPA: 2.85
· Cumulative GPA: 3.21

2016-2017 | HOLMES COMMUNITY COLLEGE
· Major: Associate of Arts
· Phi Theta Kapa member
· GPA: 3.64

2014-2015 | DELTA STATE UNIVERSITY
· Gulf South Conference Honor Roll
· GPA: 3.14

GRADUATE 2014 | MANCHESTER ACADEMY
· Graduated with Honors
· Voted Mr. Manchester Academy
· GPA: 3.64

Skills & Abilities

COMPUTER/LANGUAGE SKILLS
· CIS 201: Expert knowledge in Microsoft Word, Excel, and PowerPoint
· Computer programming in C++ and Matlab
· Have taken 3 semesters in AutoCad design course and a semester in CREO design

LEADERSHIP

Delta State University Baseball       2014 - 2015
· Denis Harris Student-Athlete GPA Award
· Makamson Freshman Award

Manchester Academy Baseball       2010 - 2014
· All Conference 8th, Freshman, Sophomore, Junior, Senior
· Most Improved Player 8th, MVP Defense Freshman and Sophomore year, MVP Offence Junior, Team MVP Senior year
· District 2 AA MVP, Competed in MAIS All-star Game
Experience

SECRETARY | MCCALEB INSURANCE AGENCY | AUGUST 2017-PRESENT
· Take payments
· General filing
· Quoting and issuing auto policies
· Customer interactions

GOLF TECH | DICKS SPORTING GOODS | MAY 2016-AUGUST 2017
· General golf club maintained
· Worked in the pro shop, lodge department, and team sports department

FARM ASSISTANT | RUGBY SOD FARM | MAY 2015-AUGUST 2015
· Delivered sod to customers
· Drove farm equipment
· Handling daily farm activities