



St. Louis Section News

"The home of the American Society of Mechanical Engineers, St. Louis Section"

www.asmestlouis.org

January 2020

ASME helps the global engineering community develop solutions to real world challenges. Founded in 1880 as the American Society of Mechanical Engineers, ASME is a not-for-profit professional organization that enables collaboration, knowledge sharing and skill development across all engineering disciplines, while promoting the vital role of the engineer in society. ASME codes and standards, publications, conferences, continuing education and professional development programs provide a foundation for advancing technical knowledge and a safer world.

Next Section Events:

January Meeting - Student Competition Event at WashU

Saturday January 25th, 2019 @ 11:00am

Next Board Meeting:

C.J. Muggs

Monday February 3rd, 2019 @ 5:45pm

101 W Lockwood Ave, Webster Groves, MO 63119

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Year At A Glance

September

Internet of Things -
A Window of Opportunity

October

Past Chair Event

November

David D. McBride
NASA Armstrong FRC

December

Melvin Price Lock & Dam

January

Student Competition

February

Chocolate Tour

March

Jubel Hall Tour

April

Patriot Machine

May

Social

June

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July

-

August

-



January Meeting

Student Design Competition Event at WashU



The ASME St. Louis Section is proud to present the third annual Student Presentation and Design Competition Event, co-hosted by the ASME WashU Student Section. Student groups will present on the work they have done this year in preparation to compete in an approved student design competition and receive feedback from professional members as well as funding to go toward material, equipment, and competition travel expenses. One team will be selected based on their presentation to receive additional funding. Presentations for each design team will be limited to 15 minutes (10-12 presentation, 3-5 Q&A) and must include a budget for materials, equipment, and travel, along with financial assistance provided by others. The St. Louis Section Board will award up to \$500 for each presentation (depending on # of teams). The audience of professional members will vote on the best presentation with the winning team receiving an extra \$250.

Approved Competitions: ASME Human Powered Vehicle Challenge (HPVC), ASME Student Design Competition (SDC), ASME Innovative Additive Manufacturing 3D Challenge (IAM3D), Other competitions may be considered

Where: Lopata Hall 101, Danforth Campus, Washington University in St. Louis
-Free parking in the garage at Hoyt Drive

When: Saturday Jan 25th from 11:00am to 2:00pm (Pizza at 11:15, presentations at 12:00)

Cost: \$25 for professional members and guests (to go toward student awards) Free for students!

Pizza will be provided, please make a note of any dietary restrictions in your RSVP on asmestlouis.org. Contact louis.woodhams@wustl.edu with questions.



ASME St. Louis Section 2019-2020 Board

Please welcome the ASME St. Louis Section's 2019-20 Board!

Chair

Louie Woodhams
Washington University
louis.woodhams@gmail.com

Vice Chair

Igor Povarich
Watlow
IPovarich@watlow.com

Treasurer

David Seidensticker
MSC Software
davesticker@gmail.com

Secretary

Julian Elson
julian.m.elson@gmail.com



The Engineering Center - Career Fair



CAREER FAIR HOSTED BY THE ENGINEERING CENTER OF ST. LOUIS

All engineering and technical students seeking full-time employment or internship are welcome to attend.

BRING YOUR RESUMES
and visit with corporate representatives

FRIDAY, FEBRUARY 21ST
4:00 PM - 7:00 PM

HAPPY HOUR FOLLOWING
visit with engineering professionals

The Engineering Center of St. Louis
4359 Lindell Blvd. | St. Louis, MO 63108

FOR MORE INFORMATION PLEASE CONTACT
GINA FALVEY AT GINA@ENGINEERSCLUB.NET OR 314.533.9336

ENGINEERINGCENTER.ORG

St. Charles Community College - PE Refresher Course

Professional Engineer Refresher Course

These review courses are geared toward helping participants pass the Professional Engineer (P.E.) license exam. Spring classes will be held in the fields of:

Civil- Water Resources, Geotechnical; Transportation, Construction, Structural;
Mechanical-Mechanical Systems/Materials, Hydraulics & Fluids, Energy & Power Systems, HVAC/Refrigeration; and
Electrical-Power

Course fee includes a three-ring binder, lecture notes, certificate of completion, and CEU's.

It is recommended that participants purchase their discipline's desk reference manual **prior** to the first class. Desk reference manuals can be obtained by going to the following website:

<http://ppi2pass.com>



2020 Spring Schedule

Classes are scheduled to meet on the following Saturday mornings from 8:00 a.m. – noon:

Jan. 25

Feb. 01

Feb. 08

Feb. 15

Feb. 22

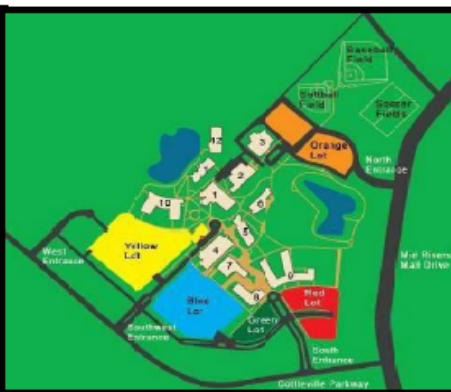
Feb. 29

Mar. 07

Mar. 21 (for Civil and/or Make-up)

Report to Room 2 08 of the Humanities Building (HUM) on the campus of St. Charles Community College. Park in the Yellow Lot. *Class dates and times are subject to change.*

HOW TO LOCATE THE COLLEGE & CAMPUS BUILDINGS



1. College Center
2. Campus Services
3. Child Development Center
4. Fine Arts Building
5. Humanities Building
6. Technology Building
7. Learning Resource Center – Library
8. Student Center
9. Administration Building
10. Social Sciences Building

Lisa Chen of the Missouri Society of Professional Engineers (MSPE) would like to remind you that St. Charles Community College offers refresher courses for those looking to take the PE exam. Please see the link below for the ASME rate mechanical course. Register by January 25th

[PE Refresher Course SCC - Mechanical](http://www.STChase.edu/learnforlife)
www.STChase.edu/learnforlife
(636) 922-8233

Engineer's Club - Engineering Explorers

Join the Fun!

ENGINEERING EXPLORERS

Meets every First
& Third Wednesday

Open to all age 14+



THE
ENGINEERING
CENTER

4359 Lindell Blvd.
St. Louis, MO 63108
engineeringcenter.org

The Next Generation of Engineers! – STEM CUBES



Engineering Center of St. Louis
4359 Lindell Boulevard
St. Louis, Missouri 63108

April 8, 2019

Dear Fellow Engineer,

Did you know that most students start to opt out of STEM fields in FOURTH GRADE? This is really hard to believe!

You have an opportunity to help us change this trend for the better. Please offer an hour or two of your time to assist 4th graders with classroom activities to keep them interested and excited in STEM fields.

We need you for one, or two class periods this May. Not to fear, as we will pair you with a past STEM volunteer, teacher and a classroom and give you all the materials and tools you need to work with them on an activity. Grab someone from your office or a member of one of your professional organizations to go with you and make a fun team building activity while helping the next generation of engineers.

Volunteer today at dmoore@lochgroup.com.

Pass this along to others!

Please let me know if you have any questions.

Sincerely,



Scott J. Smith
President

Tom Bever Memorial Undergraduate Scholarship



The St. Louis section will be accepting nominations for a \$500 undergraduate scholarship for the fall semester. In order to be considered, the student must submit the following by August 1st 2020:

- Unofficial transcripts showing the student is an undergraduate pursuing a Bachelor's degree in Mechanical Engineering
- ASME student membership – include ASME membership number in submittal
- Submit a short essay describing outstanding accomplishments including volunteer roles in ASME (member of design team, officer positions held, etc.)

All materials should be entered on the www.asmestlouis.org website via the "Scholarship Application" link found on the main page. Selection will be based primarily on ASME volunteerism. Open to students attending a college in the St. Louis Section including: St. Louis University, Southern Illinois University Edwardsville, Missouri University of Science & Technology, Washington University, and University of Missouri in St. Louis.

Engineering Center STEM Outreach Opportunity

Dear Members,

The Engineering Center of St. Louis respectfully requests your support and participation in creating outreach into regional schools encouraging local students to pursue an education in high-demand STEM fields. The STEM Alliance has launched the STEM Alliance Speakers' & Mentors' Bureau with the mission to connect professionals into classrooms to inspire and encourage the next generation to continue taking steps along STEM pathways. It will provide valuable links to mentoring, scholarship opportunities, university connections, and eventually careers. Encouraging local students to follow STEM pathways in education will help to fill the STEM talent pipeline that is critically needed for the region to continue to grow and create prosperity for St. Louis. This is a call for volunteers to participate in the bureau. Please consider completing the attached application and forwarding it to joy.david@engineeringcenter.org. Thank you for your consideration and support to this much-needed community outreach program. Please feel free to forward the application to members, colleagues, and other STEM professionals you feel would be a valuable asset to this program.

Sincerely,
W. Dave Yates,
PE President

ASME Auxiliary Scholarship Program

From Arnie Feldman, Chair EED to all EED Members:

You are likely familiar with the scholarship programs that in the past were sponsored and administered by ASME. The ASME Auxiliary currently sponsors a Student Loan Program (SLP). The terms and conditions for the SLP have recently been revised to make these loans more widely available to students in need of financial assistance to complete their degree requirements. Loan repayment terms have been revised to make it easier for students to find employment and to establish their careers or to complete graduate studies before beginning to repay their loans. The guidelines and loan application are attached to this email and also available at go.asme.org/loans.

The major points of this loan program are:

1. Maximum of loan amount of \$5,000 per student
2. Available to ASME Members or Student Members who are US citizens or permanent residents majoring in Mechanical Engineering or a closely related program
3. Loan interest at 4% on the outstanding loan principal
4. Loan interest does not begin accumulating until the first of the month immediately following graduation, change or termination of student status
5. Loan plus accrued interest is to be paid in thirty-six (36) equal consecutive monthly payments commencing within six (6) months after graduation. There is no penalty for early repayment.
6. Students must be an ASME Member or Student Member in good standing for at least one year and until the loan is paid in full.
7. Student must be enrolled in full-time academic studies in the U.S and making satisfactory progress in his or her degree program
8. Have a minimum GPA of:
2.20 on a 0 to 4.00 scale - (Undergraduate Students)
3.20 on a 0 to 4.00 scale - (Graduate Students)
9. Student must have a demonstrated financial need and have a written letter of recommendation from the Chair of the Department, the Dean of Engineering, or Faculty Advisor of ASME Student Section.
10. A one time graduate education extension may be awarded to qualified students.

Please inform all students in your programs who you feel qualify for these loans to submit an application, or to request additional information.

Ed Seiders

ASME Auxiliary Student Loan Treasurer

email: seiderse@asme.org

Young Engineer and Student Section Website Offer



The St. Louis Section is offering any regional student section and young engineers monthly feature on our website. Your page will be complete with Google Calendar, Blogger and interests information in an effort to help the student sections and professionals entering the workforce, to keep organized even when they may lack the resources. If you know of a student member that would be interested, please have them contact us at asmestlouis@gmail.com.

Young Professionals in St. Louis

In this new section, we would like to present young professionals who are looking for opportunities to establish themselves on the career path of Mechanical Engineering.

Our first profile is Kevin Belgeri, who is an active ASME member and many of you have met at our events.

Kevin is a graduate of UMSL with BS in Mechanical Engineering with a GPA of 3.63.

He is a Certified Engineering Intern and his interests are in Mechanical Design, 3D modeling, Fabrication and Engineering Support.

Most notable projects he has worked on are the design and construction of a vehicle capable of autonomously following a 3D path and the assembly of a plasma speaker at St Charles College Engineering Club.

Feel free to reach out to Kevin at kjbelgeri@gmail.com with any advice and project ideas.

ASME Section Contributions

In past years, the St. Louis Section has covered section activities by receiving an allocation of funds from ASME National. This allocation was based on how active the section was and what types of events were hosted by the section (i.e. offering professional development and holding joint meetings with other engineering groups). Since 2014 year, ASME National has stopped contributing to the local sections and instituted regulations on how sections can spend their money. The section is now using money that was saved from past conferences held in St. Louis and contributions from members.

When completing your ASME renewal, please consider contributing to the St. Louis Section. This will help to sustain the group that has survived since 1909 and is run entirely by volunteers in the St. Louis area. You can contribute by completing the voluntary contribution for sections on the ASME renewal form.

We are also looking into the potential to utilize relevant sponsorships to help alleviate the continuing costs as well.

St. Louis Section Events and Links

The St. Louis Section is continuously looking for new events and activities to offer members. This includes tours and presentations.

If you have ideas or would be interested in being an event captain please contact any of the officers on the next page.

Check us out online at the following links

- Main Website
www.asmestlouis.org
- ASME Community Section Page
https://community.asme.org/st_louis_section/default.aspx
- LinkedIn Page
https://www.linkedin.com/groups?goback=%2Egmp_4115637&gid=4115637

ASME Referral Drive & ASME Special Offer

From ASME:

“

As a valued ASME Section Member, we are requesting your assistance to help us spread the word to non-members about two exceptional opportunities we have for them to join ASME:

1. The ASME Referral Drive: Current members can simply provide us with the names and email addresses of their non-member peers and colleagues and we do the rest! The prospective member will receive a special discount offer to join ASME including a free gift, and the referring member may also be eligible to earn great prizes when they do. Please encourage your section members to make their referrals today at: <http://go.asme.org/ReferralDrive>

- and -

2. The ASME Join Today Special Offer: Members can also share the ASME Join Today Special Offer URL directly with friends and co-workers by: email; placing it on their university or company intranet; posting it to their favorite social networks such as Facebook, Twitter, Google+ and LinkedIn, or however they wish! Joiners will enjoy a special dues discount plus a free gift. Please urge your section members to post this special offer URL in as many appropriate venues as they can: <http://go.asme.org/JoinToday>

We rely heavily on your ongoing support to introduce ASME Membership to as many prospective members as possible, and we thank you in advance for your help in spreading the word about these very special membership opportunities - each of which include a generous **25% dues discount** plus a **free ASME bag** for new members!

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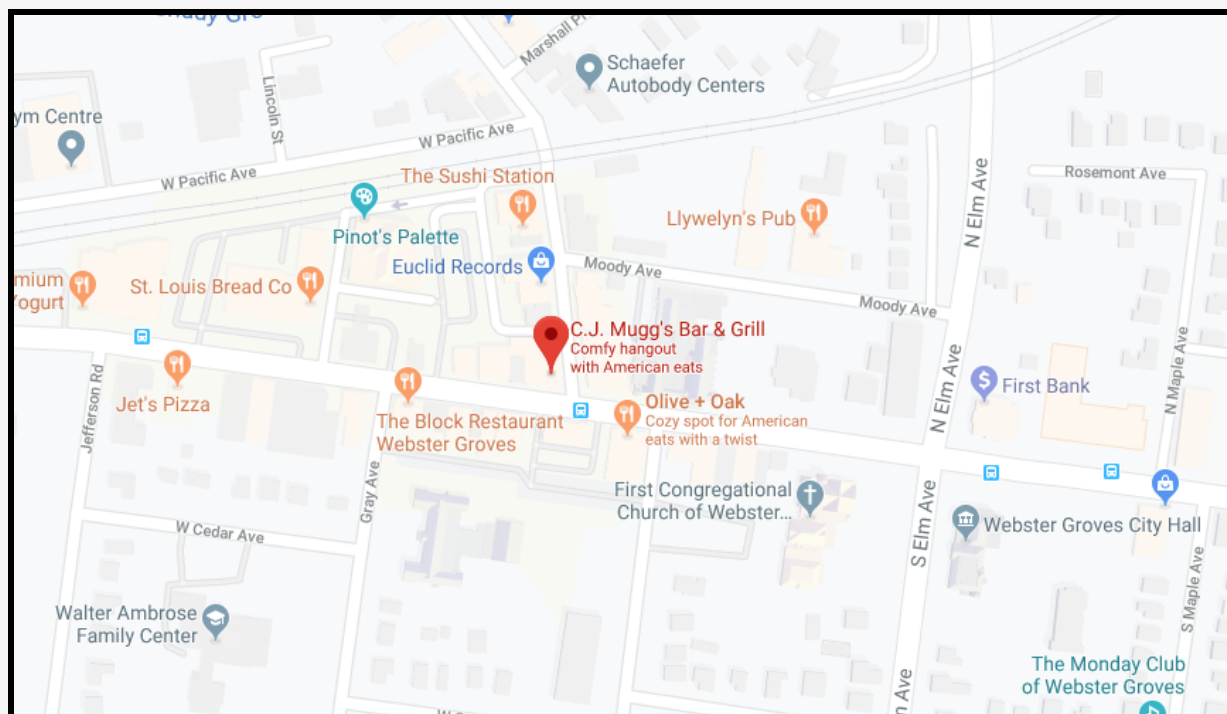
Two Great Ways
to **Help ASME**
Grow Membership!

Next Board Meeting

Please join us at the next Board Meeting on **February 3rd @ 5:45pm**

Location: **C.J. Muggs**

101 W Lockwood Ave, Webster Groves, MO 63119



Officers

Chair Louie Woodhams Washington University louis.woodhams@gmail.com	Vice Chair Igor Povarich Watlow IPovarich@watlow.com	Treasurer David Seidensticker MSC Software davesticker@gmail.com
Secretary Julian Elson julian.m.elson@gmail.com	Past Chair Paul Hibbeln Medtronic hibbelnp@gmail.com	2nd Past Chair Mesrou Mehmed Weissman's Theatrical Supplies, Inc. mesrou@gmail.com
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