

St. Louis Section News

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

www.asmestlouis.org

April 2017

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 Meeting:

Dr. Condoor, Ph.D., Tools for Systematic Innovation & SLU Student Design Report

April 19th, 2017 @ 5:30pm
Engineer's Club of St. Louis
4359 Lindell Blvd
St. Louis, MO 63108

Next Board Meeting:

April 5th, 2017 @ 5:45pm
CJ Muggs
101 W Lockwood Ave, Webster Groves, MO

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Year At A Glance

Sept

Linkedin Workshop

Oct

Vodka Distillery Tour

Nov

Bastian Robotics

Dec

Wash. U. Materials Tour

Jan

Automated Warehouse

Feb

-

Mar

Choc. Choc. Choc. Tour

Apr

SLU Design Report
& Research Presentation

May

May Social

June

Student Workforce Intro

July

*Networking Event

Aug

Eng. Club Student
Send-off BBQ

*Tentative



Dr. Condoor, Ph.D., Tools for Systematic Innovation & SLU Student Design Report



Please join us for two presentations from Saint Louis University.

The first is from Dr. Sridhar Condoor and is titled “Tools for Systematic Innovation”

Dr. Condoor teaches sustainability, product design, and entrepreneurship. He is spearheading Technology Entrepreneurship education at SLU via Innovation to Product (I2P), iChallenge, and entrepreneurship competitions and funded research. He is the Principal Investigator for the KEEN Entrepreneurship Program Development Grants to foster the spirit of innovation in all engineering students.

The presentation will provide an overview of three specific innovation tools - Painstorming, Six-hats, and SCAMPER. The quick presentation will be followed by an interactive activity where participants are engaged in creating a new product concept by applying these tools.

The second presentation will be from the ASME Student Section at SLU.

The Student Section design team developed a robot for an ASME student design competition. The robot was designed to compete in pentathlon-style challenges such as sprinting 10 meters, lifting a weight, throwing a tennis ball, climbing steps and hitting a golf ball. The presentation will cover the trials and errors in developing the robot and lessons learned by the team.

Event Details:

5:30 - 6:00pm	Networking
6:00 - 6:45pm	Dinner
7:00 - 8:00pm	Presentations

Full Member: \$20

Student Member: Free

Engineer's Club of St. Louis
4359 Lindell Blvd
St. Louis, MO 63108

RSVP: Please RSVP by Saturday, April 15th by completing the form at ASMEStLouis.org or by email to ryanneil84@hotmail.com.

Please provide name(s); email address, phone number, whether ASME member, guest, or student, and total number of attendees. Please inform us if you have any special dietary needs.

Engineering Center Events 2016-2017

THE ENGINEERING CENTER 2016 - 2017 Events

Every Month

Second Friday
Professional
Development Seminars

Third Monday
Engineers' Club
Fellowship Night

YP Happy Hour
Held regularly
throughout the year

Friday, December 2, 2016

Annual Holiday Party, *time and location TBD*

Friday, January 27, 2017

Engineers' Club Trivia Night, *The Engineering Center*

Wednesday, February 22, 2017

Engineers' Week Luncheon, *Clayton Plaza Hotel*

Friday, April 7, 2017

Engineers' BBQ, *The Engineering Center*

Friday, June 2, 2017

Annual Dinner, *The Engineering Center*

Events at the Center help you grow and succeed. Widen your sphere of influence, develop relationships with other leaders and help build a stronger, more vibrant region.

For more information, visit engineeringcenter.org



Monday,
October 10

2016 Annual
Jake Jare Memorial
Golf Tournament
Whitmoor Country Club



Engineering Center April Fellowship Night



THE
ENGINEERS CLUB
OF ST. LOUIS



Event

Fellowship Night

Date

Monday, April 17th, 2017

Sponsor

Reitz & Jens

Thank You

Last Month's Sponsor: MSPE

Food &
Drink

5:30 pm: Includes Beer, Wine, & Soda
Cheese, Fruit and Veggie
Spring Rolls w/ Sweet Chili Sauce
Smoked Cheddar Quesadillas

.....
6:30 pm: Dinner
Steak House Salad, Loaded Baked Potatoes,
Corn on the Cob, Salmon w/ Lemon Cream
Sauce, Grilled Rib Eye Steaks, & Assorted
Pies

Cost

\$20 Members & Guests (Includes two 50/50 tickets)

Decathlon

.....
Traditional
Poker-Draw/Stud

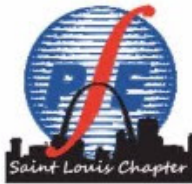
Upstairs

R&VP

~Reservations Due Friday, April 14th by noon.
~Walk-In's & late reservations are NOT guaranteed a meal &
incur a \$5 fee in addition to standard charges.
~Cancellations are due by noon Monday, April 17th or will be
billed.

For reservations, email: info@engineers club.net

MSD Lemay Wastewater Treatment Plant Tour



**St. Louis Chapter
Missouri Society of Professional Engineers**

PRESENTS A CONTINUING EDUCATION EVENT:

Metropolitan St. Louis Sewer District Lemay Waste Water Treatment Plant Tour

Please join us for an informative tour of MSD's Lemay WWTP. This event will include a walking tour of the treatment plant including the above ground liquid process, a trip into the below ground tunnels to follow the solids process and real working parts, and ending at solids handling to see the press floor and incinerator area. You may see more details of the plant at:

<http://insidemsd/operations/Pages/TreatmentPlants/Lemay.aspx>

Slight climbing of stairs will be required and long pants and closed toe shoes should be worn.

At:

Metropolitan St. Louis Sewer District
Lemay Treatment Plant

201 Hoffsmeister Ave. – St. Louis Missouri, MO 63125

On:

Friday, May 12th, 2017

Program 1:00 PM to 3:30 PM

Reservations:

2 PDH's are available for this event

Reservations limited to 25 people

For reservations please contact Michael Buechter, PE at mtbuec@stlmsd.com or call

314.768.2772

This is a no Cost Event

**S. Broadway
St.**



Main Gate

**Park/Meet
Here**

Aerial View of Treatment Plant

MSD CSO Volume Reduction Program

MSD / ACEC SEMINAR SERIES



This is the 5th in the series of ACEC and MSD sponsored informational seminars to provide the consulting community with insight into some of the specific programs and new developments at MSD.

ST. LOUIS MSD CSO VOLUME REDUCTION GREEN INFRASTRUCTURE PROGRAM: PILOT FINDINGS AND FULL-IMPLEMENTATION PLAN

Susan M. McCrary – Principal Engineer, MSD Design
Melantha D. Norton – Civil Engineer, MSD Program Planning



May 12, 2017

Registration and Networking at 7:30 am
Program from 8:00 am to 8:45 am
Questions from 8:45 am to 9:30 am

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

Continental Breakfast Served

Cost is \$15 per person. Make checks payable to ACEC/MO. (No-shows will be charged)

Register by April 28th by contacting the Engineers' Club via email at

info@engineersclub.net or phone at 314-533-9333.

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.

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:

- 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.

Student Section Website Offer



The St. Louis Section is offering any regional student section their own page on our site complete with Google Calendar, Blogger, and section information in an effort to help the student sections 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.

Regional Science Olympiad Competition Seeking Volunteers

Science Olympiad is an academic tournament that involves competing in a range of 23 different events with other middle schools from central Illinois. Each team may have at most 15 students. The top winners are promoted to the state tournament, which is always hosted by the University of Illinois.

All Science Olympiad events are designed to be hands on. The tournament encompasses all areas of science in the same competition. biology, chemistry, earth science, and physics are emphasized. Engineering and technology are also combined with several of these disciplines in events. Science Olympiad is unique in its ability to combine these areas and vary the way the students are tested in them.

The range of testing modes includes paper/pencil tests (limited in number) to lab practical events to design and building devices that require the students to calibrate devices to accomplish a goal before competition.

We are seeking volunteers to help run and score the events for our annual Regional Competition, March 11 at Lindenwood University-Belleville. If you are able to help, please contact Patricia Szpila at airdrop1@aol.com. Thank you

Engineer's Club of 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

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!

”

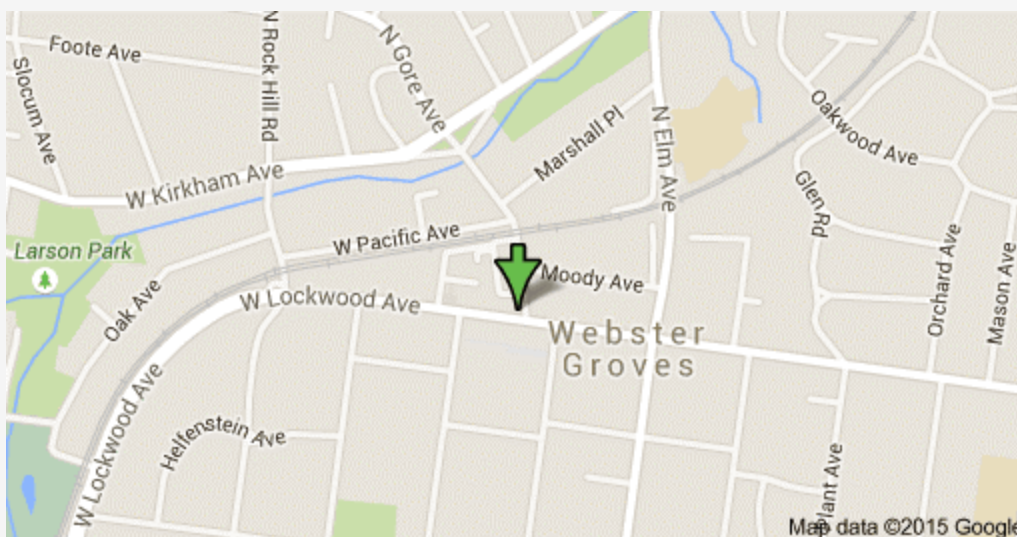


Two Great Ways
to **Help ASME**
Grow Membership!

Next Board Meeting

Please join us at the next Board Meeting on **Wednesday, April 5th @ 5:45pm**

Location: CJ Muggs Bar & Grill, 101 W. Lockwood, Webster Groves, Missouri 63119
Restaurant contact: (314) 963-1976 CJ Muggs Webster Groves; <http://www.cjmuggs.com>
Please contact any of the board members for more details.



Officers

Chair/Webmaster Brad Tissi HTE Technologies, Inc. btissi@gmail.com	Vice Chair Mesrou Mehmed Weissman's Theatrical Supplies, Inc. mesrou_m@yahoo.com	Treasurer Paul Hibbeln Medtronic hibbelnp@gmail.com
Secretary Louie Woodhams Washington University louis.woodhams@gmail.com	Past Chair Jerry Brooks Becton, Dickinson and Co. jerryb150@gmail.com	Student Liaison Ryan Neil Tetra Tech, Inc. ryanneil84@hotmail.com
	Historian John Saufnauer Retired johnsaufnauer3@att.net	