

Tulsa Engineering Foundation – Activity Reports
Announcements, Upcoming Events, and Contact Information
FY19 – 3rd Quarter Meeting April 18, 2019

Updated with additional information after the meeting

Tulsa Engineering Foundation: <https://tulsaengineer.org/>

Executive Committee Meeting: - The ExCom met April 8, 2019. The meeting minutes and spreadsheets are available upon request: kvanschoyck@ck-engr.com

Scholarships

TEF awarded **SIX \$2,000 scholarships** to high school seniors who will be pursuing an engineering/engineering technology degree the EWeek Student Breakfast.

TEF also awards undergraduate scholarships. Applications are due June 1, 2019.

APWA has requested that TEF award a \$1,000 scholarship to an undergraduate who is pursuing a major in the Public Works field. This will be included in the scholarship selections in the spring of 2020. We greatly appreciate APWA's support with their Golf Tournament proceeds.

We encourage any society that awards scholarships, either locally or nationally, to provide a short description and link to post on our TulsaEngineer.org website.

<http://tulsaengineer.org/stem-outreach/scholarships/>

We have listed links for AISES, ASCE, ASHRAE, ASME, OSPE, NSBE, SAME, SHPE, and SWE. *Action requested: **PLEASE check your link on the website and notify info@tulsaengineer.org if it needs to be changed.***

Tulsa Engineering Challenge (TECh)

Jennifer Butler tulsatechchallenge@gmail.com, 918-381-6825

Was held Friday, March 1, 2019: 7:30 am – 1:00 pm; Tulsa Tech Riverside Campus.

Host organizations were AIChE, ASCE, ASME, IEEE, ISA, OSPE, SAME, SME, SWE, and TRSA.

EST / TEF: Engineer's Society of Tulsa Mission Committee:

Mike Miller, mmllrmnd@aol.com 918-230-0999

Engineers Night Out – Next event April 25, 2019 5:30 to 7:30 at James E. McNellie's Pub (Sidebar) 409 E. 1st St., Tulsa, OK 74120. Sponsored by Concrete Services.

More information and RSVP at: <https://www.engineersoftulsa.org/apreno2019>

EST has held two ENO's, organized by Cara Cowen Watts, the first (February) was at Fox and Hound, sponsored by Keith McNinch & Associates. The second (March) was held at Bricktown Brewery of Tulsa, sponsored by Tulsa Pier Drilling. Both events were well attended. ENO events are usually scheduled for the 4th Thursday each month.

American Indian Science and Engineering Society (OPC AISES)

Cara Cowan Watts, PhD, tulsapierdrilling.com office: 918-732-9678

Officer elections were held on Saturday, April 6, 2019, in Stillwater, OK, during the 2019 Annual AISES National American Indian Science and Engineering Fair (NAISEF). All officers were re-elected for 2019.

OPC AISES assisted with judging and volunteer work at the 2019 AISES NAISEF where almost (40) participants completed the day. Two participants and their projects will go on to the Intel International Science and Engineering Fair (ISEF) around May 16, 2019 in Phoenix, Arizona, all expenses paid along with a chaperone to compete.

Mark your calendars for the 2020 AISES & OSU NAISEF on Friday, April 3, 2020, and Saturday, April 4, 2020.

On a personal note, this was on Dr. Cara Cowan Watts' personal bucket list to create a state wide Native ISEF Fair at OSU. OSU said yes. During the process of bringing ISEF and AISES to the table, National AISES asked us (OSU) to take on NAISEF each year. An MOU was signed and the annual event announced.

OPC AISES Contact Information:

- Google Email: opcaises@gmail.com Google Voice Phone Number: (405) 633-0829
- OPC AISES Facebook page – Private Group, so ask to join if you are wanting to be a member <https://www.facebook.com/groups/opcaises>
- OPC AISES LinkedIn page <https://www.linkedin.com/groups/1185177/>

American Institute of Chemical Engineers (AIChE):

Christina Bishop Jackson, christina.jackson@honeywell.com

Monthly Networking Lunch is held on the 2nd Friday of each month at 11:30 a.m.
Next meeting is scheduled for May 10th at McNellie's Pub, 409 E. 1st St., Tulsa, OK

American Public Works Association (APWA):

Tommie Heltcel, tommie.heltcel@ads-pipe.com 918-892-0739

April – ½ Price Membership for first year “New” Members – Limited to first 50.

May 20-22 – APWA/OWEA Spring Technical Conference - Embassy Suites, Norman, OK
Vendor Registration:

[Click here to review exhibit registration details, conference information and draft agenda.](#)

Participant Registration:

[Click here to review participant registration details, conference information and draft agenda.](#)

Public Infrastructure Inspector Training: Training provided by the Oklahoma Chapter of APWA to provide technical literature and direction for individuals to be able to gain Certification by the National APWA as a Certified Public Infrastructure Inspector. Class provides study guide literature, 12 hours of Professional Engineering led training, and certificate of completion. Training will be provided “during” the conference to Oklahoma APWA Chapter members at no “Additional” cost

June 5 - APWA – NE Branch Monthly Meeting

Tulsa Waste to Energy Plant Lunch and Tour, 35 Maximum Attendance

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July 3 - APWA – NE Branch Monthly Meeting; OneOK Building Cafeteria
“ADA Compliance Discussion” – Led by Freese and Nichols

August 7 - APWA – NE Branch Monthly Meeting; Joint Meeting with ASCE
“Meet the Tulsa Engineering Division Heads”

September – City of Broken Arrow

October – Jared Cottle, City Manager of Bixby, Oklahoma

November – MidAmerica Industrial Park tour

December – Christmas Party sponsored by APWA NE Branch

American Society of Civil Engineers (ASCE-Tulsa)

Sarah Kellert SKellert@contechES.com 918-706-7792

Monthly Meeting on April 17, 2019 from 11:30-1:00pm at Tulsa Country Club.
Speakers are Seth Buchanan and Jennifer Bullard with ODOT Division 8.

May 15, 2019 meeting from 11:30-1:00pm at Tulsa Country Club. Speaker TBA.

American Society of Heating Refrigerating & Air Conditioning (ASHRAE):

American Society of Mechanical Engineers (ASME):

Wade Wilson somewherewilson@gmail.com 479-651-1423

Meetings are typically scheduled for the first Thursday of every month at lunch time. The board meeting occurs 30 minutes in advance of the regular meeting.

April, May, June, and July – Speaker not yet determined, contact Wade if interested.

FIRST Robotics and Tulsa Engineering Academy at Memorial HS (TEAM):

Lane Matheson mathela@tulsaschools.org 918-991-8326

FIRST wants to start a FIRST Robotics Competition Regional in Tulsa in 2020. Contact Lane Matheson (info above) if you know of any person or group who would be interested in supporting this effort through volunteering time or financial support.

Institute of Electrical & Electronics Engineers (IEEE):

Tulsa Community College (TCC)

Thomas Henderson thomas.henderson@tulsacc.edu 918-595-7492

We hosted a Sumo-Robotics Competition on April 15th with 10 entries.

TCC hosted the IEEE – University Poster Competition on April 16th

We had a total of 11 entries, all from the University of Tulsa and Oral Robert University.

TCC - Engineering and Electronics club meets every 2nd Monday of the month.

International Society of Automation (ISA):

Mike Miller, mmlrmnd@aol.com 918-230-0999

The first Greater Oklahoma section meeting will be held in April, watch for announcements with the date and place.

The District Leadership conference was held in Kansas City on April 12-13. Dave Eskridge and Mike Miller attended.

OSU is offering one of the 2-day Courses of Engineering and Business Modeling, Optimization, and Control May 16-17. Title is: Nonlinear Optimization: Techniques for Engineering at the OSU-Tulsa Campus. We would love to have additional participants register. We want to schedule the other two courses soon as well if we have interested participants.

Below is the link to the webpage and the May flyer and a more comprehensive 4-page flyer that discusses all three courses.

<https://ceatpd.okstate.edu/content/engineering-and-business-modeling-optimization-and-control>

MATHCOUNTS: Gaylon Pinc, gppinc@pmgtulsa.com Office: 918-582-7595

Oklahoma's MATHCOUNTS 2018/2019 program year is about to end. We had successful regional and state competitions with nearly 60 schools participating statewide. The Oklahoma National Team is comprised of the top 4 individuals and an alternate from the state competition. The winners from the state competition held on March 2nd hosted by the University of Oklahoma include 3 students from Jenks Middle School, 1 student from University School (at the University of Tulsa) and the alternate is from Altus Middle School. All of the 5 winners have been practicing for the National Competition which will be in Orlando from May 11 through May 14.

Once again, MATHCOUNTS will present the 2019 Raytheon MATHCOUNTS National Competition live via webcast on www.mathcounts.org. On Monday, May 13th at 10:00 AM EDT, you'll have the opportunity to watch and play along with the nation's top middle school Mathletes!

National Society of Black Engineers (NSBE) & Kappa Tau Sigma Chapter:

Andre Butler andre.butler@neo.edu 580-647-2084

Rocket Event: May 11th 11:00 a.m. at 2235 N. Norfolk, Tulsa, OK

About 16 students regularly attend Kappa Tau Sigma meetings. The next big event is to assemble an Air Powered Rocket Projectile Kit. Groups of four assemble and commission the rocket. The objective is to shoot the rocket to a known "spot"; closest wins! Variables include gravity, PSI, time, angle's, speed, distance, and height. The kids will use formulas to project how far and where the rocket will land. This event promotes leadership, responsibility, documentation, stewardship, and technical skills.

ORU: Daobin Zhang dzhang@oru.edu 918-495-6943

ORU Engineering Department will be moving this summer to a building at 81st St. and Delaware.

ORU is actively seeking a faculty member for Biomedical. Please contact Daobin if you know of someone that might be interested in teaching at ORU.

Oklahoma Society of Professional Engineers (OSPE):

Mike VanSchoyck mvanschoyck@cyntergy.com 918-877-6000

OSPE meets the first Thursday of the month at 11:30 (speaker noon to 1:00) at ONEOK Cafeteria in the basement of the ONEOK building at 100 West 5th Street, Tulsa, OK.

May 2, 2019 speaker is Kyle Kress speaking on the topic of Cowboy Barriers.

OU-Tulsa: Thordur Runolfsson Runolfsson@ou.edu 405-317-3935

Society of Hispanic Professional Engineers (SHPE):

Chriss Chavez gichic7@gmail.com 918-408-4058

Society of American Military Engineers, Tulsa Post (SAME):

<http://www.sametulsa.org/>

The Tulsa Post of the SAME is pleased to announce plans to award four \$2,000 Justin Noyes Scholarships to senior high school students who intend to earn a degree in engineering, biological science or physical science. For more information and application please visit: <http://www.sametulsa.org/scholarship.html> *Applications are due April 30, 2019.*

If you have any questions, please contact: David Epperly depperly@all-llc.com 918-382-7581

Society of Women Engineers (SWE):

Elly Towns, etowns@lcm-wci.com 405-306-8034 / Website: www.tulsaneo.swe.org
Facebook: Tulsa Society of Women Engineers – SWE @TulsaSocietyOfWomenEngineers

Dress for Success - April 23rd, 5:45 pm to 7:00 pm

Central Library, 400 Civic Center, Room 104 Tulsa OK 74103

Abigail Enriquez will cover essential tips that will make it easier for you to project the leader and professional you are to companies, business partners, and interviewers. We will cover the differences between traditional, smart and business casual.

April Monthly Networking Lunch - April 24th, 11:30 am to 1:00 pm

Mother Road Market, 1124 S Lewis Ave Tulsa OK 74104 (PLEASE NOTE THE CHANGE TO WEDNESDAY)

Join your fellow Society of Women Engineers for our monthly networking lunch. This is a great opportunity to get to know other professionals in the Tulsa area. You don't have to be a

member, so grab a coworker and join us! NEW MEMBERS please bring your Welcome Email and enjoy your lunch on us!

Green Country Girls Night - April 26th – Tulsa Air and Space Museum from 6:00pm - 10:00pm
This event is for 7th and 8th grade girls; cost is \$5. Email Jordan Almeida jordanalmeida1214@gmail.com with any questions or if you are interested in volunteering.

Steam System Basics- May 1st- Cabin Boys Brewery from 5:30pm – 7:00pm
Do you work with steam? Are you interested to learn more about steam systems?
Tami Melhart will guide us on the fundamentals of major design considerations for safe and functional steam systems. Earn 1 PDH. Sign up on Eventbrite.

Nominating committee is looking for new executive committee members. SWE's fiscal year begins July 1st, 2019. Elected Positions are: President / Vice President- Outreach / Vice President- Professional Development / Treasurer / Secretary

Tulsa Regional STEM Alliance (TRSA):

Xan Black, Xan.Black@tulsastem.org 918-724-5291

1. Cardboard & Duct Tape Regatta: Friday, April 19, 2019 12:30 to 2:00 pm at Miller Swim School 6415 S. Mingo Rd, Tulsa, OK 74133
2. Regional Kite Festival: University of Tulsa Harwelden Field on Friday, May 3, 2019 11:00 am to 1:00 pm - Upper elementary students from across the region join us for an afternoon of kite flying and other flight-related activities. Volunteers would serve as facilitators of activities or as Kite Doctors - helping students untangle or fix their kites, or learn to fly them. (10-20 volunteers needed). More Info: <https://tulsastem.org/kite-festival/>
3. Summer Camps – *see attached list at end of activity reports*. Difference Makers camp is sponsored again this year by TEF and OSPE.

Tulsa Tech: Shea Ferrell, shea.ferrell@tulsatech.edu 918-828-1351

Pre-Engineering students' capstone presentations will be held Friday April 26, 2019 at the Lemley Memorial Campus Health Science Center 8:00-2:50. Advisory meeting during lunch 10:50-11:50 for those who rsvp to shea.ferrell@tulsatech.edu or call 918-828-1351.

Pre-Engineering students recently competed at the Technology Student Association state conference taking away three 1st place awards and qualifying 8 students for the National Conference in Washington, D.C. in July.

Hire Tulsa Tech Grads is a new initiative connecting students and industry for employment. Go to HireTulsaTechGrads.com to sign up your company