

**Tulsa Engineering Foundation – Activity Reports**  
**Announcements and Upcoming Events**  
FY19 – 2<sup>nd</sup> Quarter Meeting January 17, 2019

This report was updated after the meeting

**Tulsa Engineering Foundation:**

**Executive Committee Meetings:** - The ExCom met October 22, 2018 and January 14, 2019. The meeting minutes are available upon request: [kvanschoyck@ck-engr.com](mailto:kvanschoyck@ck-engr.com)

**Scholarships**

TEF awards several \$2,000 scholarships to high school seniors who will be pursuing an engineering/engineering technology degree at an ABET accredited university. Applications are due Feb 1, 2019 and awarded at the EWeek Student Breakfast.

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

APWA has requested TEF to 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 2019. 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 already 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.***

**Engineers Week – February 17 – 23, 2019**

**Theme: Engineers: Invent Amazing Celebrate. Volunteer. Connect.**

Engineers Week--the only event of its kind--is a time to:

- Celebrate how engineers make a difference in our world
- Increase public dialogue about the need for engineers
- Bring engineering to life for kids, educators, and parents

More than a week-long event, Engineers Week is a year-round commitment to making a difference. Website: [www.DiscoverE.org](http://www.DiscoverE.org) Go to 'Shop' to get free 2019 Engineers Week Kit

**Introduce a Girl to Engineering Day** Sunday February 17<sup>th</sup>; 11:30 am, 1:30 pm and 3:30 pm: Discovery Lab. Girls (ages 8 – 13) and their mothers or caregivers are invited to work together to solve an engineering challenge. Cost is \$6 per person. Register online at <http://discoverylab.org/> Role models needed for each session.

**Engineers Week Luncheon** Wednesday Feb 20<sup>th</sup>, 11:30 am, tentative location - Tulsa Country Club. ASCE coordinates the event. Cost is \$25. Speaker: Alex Mills, Director of Engineering and Construction, City of Broken Arrow. Contact Sarah Kellert [SKellert@ContechES.com](mailto:SKellert@ContechES.com) or 918-706-7792. Register online at: <https://2019eweekluncheon.eventbrite.com>

Engineers Week Student / Professional EWeek Breakfast, Career Seminar, and Engineer Signing

Friday, February 22, Wyndham Hotel, Sponsorship \$250/table, \$125/half table. Contact Sarah Kellert, SKellert@ContechES.com, 918-706-7792. Register online at <https://2019eweekbreakfast.eventbrite.com>

7:30 – 9:00 am – Table Mentors (\$250 per table – 2 engineers, 6 students; \$125 per ½ table with 1 engineer)

9:00 – 11:00 am – Panel Engineers (\$25 if joining us for breakfast)

11:00 – 12 noon – Engineer Signing and Reception

**Tulsa Engineering Challenge (TECh)**

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

**Volunteers needed.** Contact Jennifer Butler, [tulsatechchallenge@gmail.com](mailto:tulsatechchallenge@gmail.com), 918-381-6825  
March 1<sup>st</sup> will mark the 31<sup>st</sup> annual Tulsa Engineering Challenge. This is a hands-on opportunity for youth to explore problem solving, designing and construction of devices that accomplish tasks. Over 1000 Students (4<sup>th</sup> – 12<sup>th</sup> grades) compete in activities such as Toothpick Bridge, Rubber-Band Powered Vehicle, Ping-Pong Launcher, Robot, Chemical Switch, Electric Motor, Paper Airplane (distance & duration), Wacky Wonder Works, Digital Poster and more. Walk-up competitions include Aluminum Boat, Academic Olympiad, and Mini-Math. Host organizations are AIChE, ASCE, ASME, IEEE, ISA, OSPE, SAME, SME, SWE, and TRSA.

For more information <http://tulsaengineer.org/tulsa-engineering-challenge-tech/>

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

Mike Miller, [mmlrmnd@aol.com](mailto:mmlrmnd@aol.com) 918-494-0344

The committee of EST members and officers has been working with TEF officers to finalize a proposal to transfer the assets of the EST to the TEF and create a mechanism within TEF to memorialize the existence and purpose of the EST as well as provide a means of carrying on the vision of its members in the Tulsa Engineering Community.

**Engineers Night Out**-Sponsored by Pipeline Consultants & Rimkus Consultants

Thursday, February 28, 2019 / 5:30pm to 7:30pm / Fox & Hound at 71st & Garnett (northeast corner of intersection). Invitations to be sent soon; or look on the TEF website calendar for a link.

**American Indian Science and Engineering Society (OPC AISES)**

Cara Cowan Watts, PhD, [tulsapierdrilling.com](http://tulsapierdrilling.com) cell: 918-859-6732 / office: 918-732-9678

OPC AISES News Release made multiple news outlets including Indian Country Today!  
<https://newsmaven.io/indiancountrytoday/the-press-pool/opc-aises-officers-announced-9XFOTdTgK0ObfVs9cVikxw/>

OPC AISES Facebook page has been updated and revitalized including claiming the Facebook Group url – 'opcaises' – Private Group, so ask to join if you are wanting to be a member  
<https://www.facebook.com/groups/opcaises>

OPC AISES LinkedIn page updated and revitalized <https://www.linkedin.com/groups/1185177/>

OPC AISES Contact Information:

Google Email: [opcaises@gmail.com](mailto:opcaises@gmail.com)

Google Voice Phone Number: (405) 633-0829

2018 List of OPC AISES Officers:

President: Cara Cowan Watts, PhD (Cherokee Nation) - Tulsa Pier Drilling, Claremore, OK

Vice-President: Chrystal (Bickford) Antao (Cherokee Nation) - Cherokee Data Solutions, Claremore, OK

Secretary: Melissa Sturdivant (Choctaw Nation), NRCS State Tribal Liaison, Soil Conservationist

Treasurer: Dr. Carol Crouch (Salish Kootenai) - USDA-NRCS, Stillwater, OK

Parliamentarian: Lynnetta Eyachabbe (Euclidean/Muscogee Creek) - University of Oklahoma, Norman, OK

Next Annual Officer Elections DELAYED until Saturday, April 6, 2019 in Stillwater, OK at the National American Indian Science and Engineering Fair which is a new partnership between AISES and Oklahoma State University. <http://fairs.aises.org/> Register before 2/14/2019 at

[https://docs.google.com/forms/d/1D0A57uBBMjue2COuB3FMx0hYulYvetZ5vz2yIVqayKU/edit?usp=forms\\_home&ths=true](https://docs.google.com/forms/d/1D0A57uBBMjue2COuB3FMx0hYulYvetZ5vz2yIVqayKU/edit?usp=forms_home&ths=true)

**American Institute of Chemical Engineers (AIChE):**

Christina Bishop Jackson, [christina.jackson@honeywell.com](mailto:christina.jackson@honeywell.com)

**American Public Works Association (APWA):**

Tommie Heltcel, [tommie.heltcel@ads-pipe.com](mailto:tommie.heltcel@ads-pipe.com) 918-892-0739

**American Society of Civil Engineers (ASCE-Tulsa)**

Sarah Kellert [SKellert@contechES.com](mailto:SKellert@contechES.com) 918-706-7792

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

**American Society of Mechanical Engineers (ASME):**

Wade Wilson [somewherewilson@gmail.com](mailto:somewherewilson@gmail.com) 479-651-1423

ASME has changed its meeting format in an attempt to improve engagement with its members. 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.

February – Speaker: Mike Sanders (Topic TBD)

March – Centennial Celebration at OSU Helmerich Center, 3/25/19, special guest Richard Laudenat incoming President of ASME

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](mailto: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](mailto:thomas.henderson@tulsacc.edu) 918-595-7492

IEEE student poster contest April 16<sup>th</sup> at the Tulsa Community College NE Campus. Intent and forms must be received by April 12<sup>th</sup> at the above email.

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

**International Society of Automation (ISA):**

Mike Miller, [mmllrmnd@aol.com](mailto:mmllrmnd@aol.com) 918-494-0344

Bonnie Kaiser-Gambill, with OSU CEAT Professional Development, and Brandy Mays are working with Dr. R. Russell Rhinehart to host a three-course program over Engineering and Business Modeling, Optimization, and Control. The last course being offered is:

Nonlinear Optimization: Techniques for Engineering

Feb 21<sup>st</sup> 8am - 5pm and Feb 22<sup>nd</sup> 8am – 3pm

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

**MATHCOUNTS:** Gaylon Pinc, [gppinc@pmtgtsa.com](mailto:gppinc@pmtgtsa.com) Office: 918-582-7595

The East Central (Tulsa area) Regional MATHCOUNTS Competition will be held on Saturday morning, February 2<sup>nd</sup>, 2019 at the University of Tulsa Student Union Great Hall (same place as the previous many years). Volunteers are needed for Grading and Proctoring the tests.

Please register to volunteer at

<http://www.mathcountsok.com/wp/event-category/volunteer-opportunities/> or call or email me at the address above. Volunteers will receive a MC t-shirt, snacks and lunch and the satisfaction of helping about 170 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> grade students participate in an exciting National math competition.

The State MATHCOUNTS Competition will be held Saturday morning, March 2<sup>nd</sup>, 2019 at the University of Oklahoma. Volunteers will be needed there also, and you can register on the site above or contact me directly.

Thank you for your generous support for MATHCOUNTS in Oklahoma.

Gaylon Pinc, P.E.

Oklahoma MATHCOUNTS Co-Chair and ECR Regional Coordinator

**National Society of Black Engineers (NSBE):**

Andre Butler [andre.butler@neo.edu](mailto:andre.butler@neo.edu) 918-599-2411

**OU-Tulsa:** Thordur Runolfsson [Runolfsson@ou.edu](mailto:Runolfsson@ou.edu) 405-317-3935

**Society of Hispanic Professional Engineers (SHPE):**

Chriss Chavez [gichic7@gmail.com](mailto:gichic7@gmail.com) 918-408-4058

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

Meet-the-Corps - USACE Tulsa District - February 20<sup>th</sup> - 21<sup>st</sup>, 2019

- \* *Large & Small Business Represented*
- \* *Large Business Networking Tables*
- \* *Evening Social Event*

Day 1: District briefings; government and industry networking at Tulsa Technology, Owasso Campus

Day 2: Scheduled one-on-one meetings w/ government POCs at Tulsa District USACE Office

Register: [https://whova.com/portal/registration/eatc1\\_201902/](https://whova.com/portal/registration/eatc1_201902/)

The SAME Tulsa Post website will have the latest information as it become available!

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

**Society of Women Engineers (SWE):**

Elly Towns, [etowns@lcm-wci.com](mailto:etowns@lcm-wci.com) 405-306-8034 / Website: [www.tulsaneoswe.org](http://www.tulsaneoswe.org)

Facebook: Tulsa Society of Women Engineers – SWE @TulsaSocietyOfWomenEngineers

March 30<sup>th</sup> – March 30<sup>th</sup> – Green Country Girls Night - an awesome evening where girls will have fun exploring the many sides of science, engineering, technology and more with young professional women. The evening will begin with dinner and a short presentation from a local female engineer followed by 4 breakout sessions featuring hands-on activities that relate to engineering. Location, time and age group tbd. Contact Jordan Almeida, [Tulsa.SWE.Outreach@gmail.com](mailto:Tulsa.SWE.Outreach@gmail.com)

*Be That Engineer* poster/brochure is available to anyone hosting an Introduce a Girl/Boy to Engineering event in Tulsa. It shares great info about engineering. Target audience is 3<sup>rd</sup> - 12<sup>th</sup> grades. It highlights 23 kinds of engineering. Contact Barbara Wollmershauser, [wollmersh@aol.com](mailto:wollmersh@aol.com) Poster is free.

Wrapping up our money series, we will have a last event on creating your financial plan. More information to follow.

**Tulsa Regional STEM Alliance (TRSA):**

Xan Black, [Xan.Black@tulsastem.org](mailto:Xan.Black@tulsastem.org) 918-724-5291

**Tulsa Tech:** Shea Ferrell, [shea.ferrell@tulsatech.edu](mailto:shea.ferrell@tulsatech.edu) 918-828-1351

Hire Tulsa Tech Grads is a new initiative connecting students and industry for employment. Go to [HireTulsaTechGrads.com](http://HireTulsaTechGrads.com) to sign up your company