

**Tulsa Engineering Foundation – Activity Reports and Resources
Announcements, Upcoming Events, and Contact Information**

FY 20 – 3rd Quarterly Meeting April 16, 2020

Revised April 17, 2020

NOTE: The format of this document has been changed to separate the Activity Reports from the Society Contact information. If an engineering society has news to announce it will be in the first part of the report. If the society has no current activities or announcements the contact information will be located in the back portion labeled “RESOURCES”. It will be easier to find current activities and still have contact information available.

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

Executive Committee Meeting: - The ExCom met April 7, 2020 via Skype. We are observing the distance requirements and realizing that many of us are now working from home and also taking care of children. The meeting minutes and spreadsheets are available upon request: kvanschoyck@ck-engr.com

EST: Engineer’s Society of Tulsa Mission Committee:
Mike Miller, mmllrmd@aol.com 918-230-0999

Engineers Night Out

Xan Black and Cara Cowan Watts have done an excellent job of preparing for the 2020 series of ENO events. Unfortunately, social distancing has forced us to cancel the March event. These highly popular networking events, for Engineers and other STEM focused persons, will not meet in-person until meeting restrictions are lifted in Tulsa and our meeting venues can re-open.

ENO NOTE: We will be setting up a ZOOM virtual ENO meeting next week. Information will be emailed to TEF members. You will be responsible for your own snacks and beverages.

TEF Annual Joint Engineering Scholarship Golf Tournament will be Friday, October 2, 2020. It will be held at the Page Belcher Golf Course. APWA, ASCE, ASME, OSPE and TEF are coordinating the tournament. The committee will meet in June to start planning the event.

American Society of Civil Engineers (ASCE-Tulsa)

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

ASCE Tulsa Branch will try to set up a Zoom meeting for May.

Jennifer Butler announced that the annual State ASCE conference will be a virtual meeting this year. More information will be available by the next quarterly meeting in July.

International Society of Automation (ISA):

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

ISA has converted their Leadership Conference from a Live event in Salt Lake City, April 18-19, to a series of Virtual Events (webinars) using Skype Meeting beginning Friday, April 17th from 8-9 AM.

[Join Skype Meeting](#)

Trouble Joining? [Try Skype Web App](#)

Join by phone

Toll number: +1 (704) 981-0621,,794848439# (Dial-in Number) English (United States)

[Find a local number](#)

Conference ID: 794848439

[Forgot your dial-in PIN?](#) | [Help](#)

Anyone interested in possibly becoming active in ISA should consider attending these meetings.

The attempt to complete transfer of funds from the former Tulsa and OKC Sections to the new Greater Oklahoma section has been delayed by the closure of lobby functions at Arvest Bank.

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

The 2019/2020 MATHCOUNTS season has ended due to the COVID-19 virus. Fortunately, Oklahoma completed all regional competitions in February and our State competition on March 7 before all remaining events were cancelled the next week. States that did not conduct their state competition on March 7 could not hold state competitions this year. The National competition in mid-May has been cancelled also.

Whitter Middle School in Norman won the Oklahoma State Competition.

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

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

An induction ceremony was held in January to welcome 20 more members to Kappa Tau Sigma. This organization currently has about 52 members with about half of them attending the weekly Tuesday meetings. This group is attended by young men ages 8 to 18 interested in furthering their knowledge of all things STEM related.

Tulsa Regional STEM Alliance (TRSA):

Xan Black, Xan.Black@tulsastem.org 918-724-5291 & info@tulsastem.org / 918-779-4910

Xan needs Volunteers to help build STEM IN A BAG Kits

(Please read the following page)

These self-contained kits are designed for 3rd - 8th grade students and distributed to students at food distribution sites. The kits provide a means for students to engage in unplugged STEM activities during this period of remote learning which is often online. Many families do not have access to the internet and most families are glad for their students to have an opportunity for a hands-on minds-on activity like those offered in the kits.

Who: Engineers who are members of TEF, ASCE, and other interested societies who would like to volunteer to build STEM IN A BAG kits to be distributed to Green Country students.

Who receives the kits?

- Students and families who are receiving food at local food distribution sites

What's provided:

- Materials to build the kits will be provided to you. The kits include hoop gliders, kites, parachutes, and propellers
- When the kits are complete, notify your point of contact who will arrange kit pick-up for distribution at food distribution sites

When:

- Kits are being built and distributed through the end of May 2020
- Kits need to be built in as timely a manner as possible to meet end of May cutoff on food distribution sites at many local schools

Where:

- Kits are built in your home. Please do observe the Corona Virus protocols of handwashing, being careful with coughs and sneezes, and do not participate if you do not feel well.
- Kits are being distributed at local food distribution sites including elementary schools, churches and the Tulsa Dream Center

How:

- Tulsa Regional STEM Alliance will pick up kits from your point of contact and take them to distribution sites at times previously scheduled

Why:

- Engineers solve problems! The COVID-19 pandemic has resulted in unprecedented problems in many arenas - among them education of our students. This is a way for our engineering societies to help students have hands-on minds-on learning activities that will nurture creativity, curiosity and perhaps grow the next generation of engineers.

Questions? or to volunteer Info@tulsastem.org or xan.black@tulsastem.org

TRSA Remote Weekly Leadership Update: April 9, 2020

Thanks to incredible partners like OERB, TRSA has accomplished the following since working remotely due to COVID-19 beginning March 16:

Completed:

- Distributed 930 STEM IN A BAG KITS to Tulsa Dream Center on 3/30 for distribution on 4/1
- Distributed 250 STEM IN A BAG KITS to Okmulgee Public Schools for distribution on 4/13
- Distributed 250 STEM IN A BAG KITS to Broken Arrow Public Schools for Distribution on 3/30
- Distributed 300 STEM IN A BAG KITS to Wynonna, Bowering, Pawhuska, and Hominy Public Schools through Osage County Interlocal Cooperative on 4/7

- Distributed 200 STEM IN A BAG KITS to Barnsdall Public Schools on 4/9 for dist.on 4/13
- Distributed 100 STEM IN A BAG KITS to Up With Trees for distribution with their Seedling Kits being distributed to Green Country students
- Distributed 200 STEM IN A BAG Kits to McClure, Whitman, and Eugene Fields elementary schools through the Opportunity Project on 4/9 for distribution 4/10
- Working with Union, Tulsa, Jenks, Sand Springs, and Broken Arrow Public Schools to distribute STEM IN A BAG KITS at Grab and Go Food Sites
- Delivered building materials to TRSA staff as well as BAPS and Discovery Lab staff to build 12,000 Hoop Glider kits for distribution at grab and go food sites.

In Progress:

- Ordered and received materials to build 12,500 Kite STEM IN A BAG kits.
- Converted Cardboard & Duct Tape Boat Regatta and Innovation Fair to online events
- Working with Col Paul Lockhart to create some Facebook Live programming
- Working with Tulsa Public Schools and RSU TV to provide STEM Programming segments on Monday and Wednesday mornings for Green Country students.
- Partners providing programming include Col Paul Lockhart, Gathering Place, Tulsa Zoo, Physics Dept TU, Chemistry Dept TU, NASA Oklahoma Consortium, Bioblitz, Tulsa Symphony, Tulsa Outdoor Garden Center. Programming will begin airing at 9:00 am on 4/13
- Presented Math Mentors Hidden Figures pilot - 2nd grade girls only program - to Mayor's Commission on the Status of Women
- Beginning 4/15 will distribute 1000 STEM IN A BAG kits at both Jefferson and Ellen Ochoa - Union elementary schools on Wednesday mornings
- Met with makers around Green Country to discuss ways the community is and could be supporting production of PPE for health and child nutrition workers. Looking at creating PPE STEM IN A BAG kits for students to make "no sew" facemasks and "ear savers".
- At building Computer Science and Flight Themed STEM IN A BAG kits
- Decided to make all summer camps for 2020 virtual following announcements of higher ed partners making all courses online for summer 2020. Working with all partners to make the change to virtual summer camps

Tulsa Tech: Shea Ferrell, shea.ferrell@tulsatech.edu 918-828-1002

Shea Ferrell will be retiring from Tulsa Tech at the end of the 2019-2020 school year. Sam Ramsey will be transitioning this year to assume the Director of the Lemley Campus

STARBASE: David Stacy, david@starbaseok.org 918-833-7757

STARBASE Oklahoma (DOD funded program whose mission is to reach out to young people in Grade 5 through 8, & to interest them about careers in STEM.

Wanted – Engineers to volunteer at after-school STARBASE clubs.

Resources:

American Concrete Institute (ACI): Jennifer Butler, j.jae.butler@gmail.com 918-381-6825

American Indian Science and Engineering Society (OPC AISES)

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

American Institute of Chemical Engineers (AIChE):

Christina Bishop Jackson, PhD, christina.jackson@honeywell.com

American Public Works Association (APWA):

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

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

Nolan Chance NolanC@midwestmachinery.net 918-664-0312

American Society of Mechanical Engineers (ASME):

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

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

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

Institute of Electrical & Electronics Engineers (IEEE):

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

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

Oklahoma Society of Professional Engineers (OSPE):

Mike VanSchoyck vanhome1@cox.net 918-437-8220

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

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

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

Society of Hispanic Professional Engineers (SHPE):

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

Society of Women Engineers (SWE):

Angela Ashwood, anix.918@gmail.com 918-576-8970 / Website: www.tulsaneo.swe.org
Facebook: Tulsa Society of Women Engineers – [SWE@TulsaSocietyOfWomenEngineers](https://www.facebook.com/SWE@TulsaSocietyOfWomenEngineers)

Society of Petroleum Engineers (SPE):

Ashley Lastinger AshleyJorishie@gmail.com 918-606-2416

Tulsa Community College (TCC)

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

Tulsa University (TU): Marie Moran Marie-Moran@utulsa.edu 918-906-9096