

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

FY22 – Annual Meeting July 22, 2021

Updated ENO information (page 7) 8/1/2021

Timely free Webinars – ISA (page 2)

Engineering Organization news and announcements are in the first part of the report. Contact information is located in the back of the report under “Organization Contacts”.

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

Executive Committee Meeting: - The ExCom met July 19, 2021 via Zoom. The meeting minutes are available upon request from kvanschoyck@ck-engr.com

Engineer’s Society of Tulsa Mission Committee / Engineers Night Out

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

August 19, 2021 5:30 to 7:30 pm at the Golfsuites Tulsa, 600 Riverwalk Terrace, Jenks. This month’s ENO will be sponsored by Tulsa Pier Drilling. Please invite your members to attend for in person socializing and networking.

Please see information for sponsoring an Engineer’s Night Out at the end of this report.

We are still considering posting obituaries for deceased engineers and EST/TEF members on the EST/TEF web site. We would welcome comments or assistance.

TEF Scholarships

Scholarship Committee members are: Christina Jackson, Nancy Doutey, Ashley Lastinger, Ryan Piece, and Barbara Wollmershauser.

Eight Undergraduate Scholarships have been awarded.

Joint Engineering Golf Tournament - Friday, October 1, 2021

Come join us for a round of golf for a great cause. This annual fundraising activity for **scholarships** is hosted by APWA, ASCE, OSPE, and TEF. Host societies awarded \$9,000 to 5 students this year!

The tournament will be held at the Page Belcher Golf Course, 6666 S Union Ave, Tulsa, OK. Shotgun start at 8:30 AM.

Only \$85 per person or \$500 for a Team of 4 with Hole Sponsorship. Hole Sponsorship only is \$250. Tournament Sponsorship is \$1,000 and includes two teams, two holes, and a banner at a hole. Contributions are tax deductible as a 501.c.3 donation excluding any good and services received.

The registration form is on the home page of the TulsaEngineer.org web site. Online payment is available at <https://jointgolf2021.eventbrite.com>. If you have any questions call Tommie Heltcel at 918-892-0739 or email Tommie.Heltcel@ads-pipe.com.

Fab Lab Tulsa: Brian Carr brian@fablabtulsa.org 918-779-6025

Help us empower the current and future makers of Tulsa by contributing today to the Brick Starter campaign for Fab Lab Tulsa's Hardesty Hub for Makers. Two sizes of brick are available, 4X8-inch and 8X8-inch. Your brick will be laser engraved with your personal message and placed at the front entry, becoming a permanent part of the new facility. You can also customize your brick with graphics designed specifically for makers. You may also contribute to the Capital Campaign without purchasing a brick ([CLICK HERE](#))



[Click to Design and Personalize Your Brick](#)

International Society of Automation (ISA) Tulsa and OKC sections will be merging..
Dave Eskridge Dave.Eskridge@vectorcaq.com 918-210-3309
Mike Miller, mmlrmnd@aol.com 918-230-0999

FREE ISA Webinars: PROCESS CONTROL AND INSTRUMENTATION SERIES

Cybersecurity Series 10-19-21

Explore the critical, dynamic world of automation cybersecurity with ISA's expert contributors. Learn about threats, emerging protection methods, best practices, fundamentals of the ISA/IEC 62443 series of standards, and implementation tips to bring a standards-based approach into your facility.

Digital Transformation Series 8-31-21

As the world becomes increasingly more connected, organizations are facing unprecedented challenges. ISA's digital transformation series provides professionals with real-world applications into the ever-changing digital landscape. Explore the business drivers and case studies for applying technology more efficiently.

Process Control & Instrumentation Series 10-2-21 Conference

This virtual event series explores the fundamental technologies and topics essential to your plant's operations. This event provides process automation professionals with the most up-to-date knowledge regarding safety, quality, compliance, instrumentation, measurement, and maintenance.

**Optimizing the Industry Through Data Analytics,
Emerging Technologies and Digital
Transformation**

*Part of the Energy & Water Automation Spotlight
Series*

20 July | 1:00 p.m. ET

Sponsored by: Cisco IoT

Register Now!

**Panel Discussion: Industrial Cybersecurity
Strategy in the Power/Water Industries**

*Part of the Energy & Water Automation Spotlight
Series*

3 August | 1:00 p.m. ET

Register Now!

**Small Steps Lead to Big Returns: How Utilities Can
Navigate the Digital Transformation Journey**

Part of the 2021 Process Industry Virtual Conference

17 August | 1:00 p.m. ET

Register Now!

**Importance of Process Instrumentation in the Steel
Industry**

Part of the 2021 Process Industry Virtual Conference

14 September | 10:00 a.m. ET

Register Now!

**Automation and Robotics in Industrial Inspection:
Trends & Advances**

Part of the 2021 Process Industry Virtual Conference

5 October | 10:00 a.m. ET

Register Now!

DIGITAL TRANSFORMATION SERIES

**Successfully Implementing Digital Twin
Technology**

22 July | 1:00 p.m. ET

Register Now!

MATHCOUNTS

Gaylon Pinc ggpinc@pmtulsa.com 918-582-7595

MATHCOUNTS for 2020/2021 was completed successfully, but all testing was performed online. New Jersey won the team competition and top student. The Oklahoma team placed 33rd out of 56 teams. Planning for the 2021/2022 competition is underway. We anticipate that all 2021/2022 competitions will be in-person, so watch out volunteers – we will be calling!

Tulsa Community College (TCC) and IEEE

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

Area electrical engineering students competed in our 1st virtual IEEE Tulsa Section Poster and You-tube Presentation contest. Students from TU finished 1st, 2nd, and 3rd.

In June, Area 6th through 10th grade students completed a 1-week camp on engineering and robotics. Students built their own line tracking bot.

IEEE will have a booth with kits to build at the Tulsa Maker Faire August 28th from 10 am to 5 pm. Located in the Exchange Center at Expo Square.

Tulsa Regional STEM Alliance (TRSA)

Emily.Mortimer@TulsaSTEM.org & info@tulsastem.org / 918-779-4910

Along with Wil Brown and Levi Patrick

Previous Activities:

Summer Academies - Difference Makers and Summer Engineering Camp boxes sponsored by TEF & Society of American Military Engineers, have been sent out to 40 students across northeastern Oklahoma. We expect to report back with results from surveys this fall. Each camp included a box with all the materials, instructions and lessons needed to complete the entire week long camp. We also developed an open-access website for each camp with videos, content and lessons for people whether or not they received a box. Thus far, preliminary feedback has been overwhelmingly positive. "I liked that the activities were well explained and fun to do. I liked the variety the program offered" (Summer Engineering Camper). "It made me more confident in STEM repair things" (Summer Engineering Camper).

Professional Development- All PD was virtual this summer. Each PD included kits of materials pertaining to the subject matter plus Zoom sessions or websites that included content, videos and curriculum.

Upcoming Announcements: - Timely - needed by early September

STEM in a Bag: STEM in a Bag provides a big impact in a small package to families and students for free. All the materials, instructions and literacy connections needed to complete a standards-aligned STEM activity are neatly packed inside a gallon size plastic bag and given out at partner sites, schools or food distribution sites. In 2020 we gave away over 70,000 SIB and this year we have already given away 56,000 through TRSA events or requests. With such demand, we simply cannot do this without community volunteers. We need partners to help build SIB. In partnership with Cox, we will offer a virtual STEMtember with thousands of STEM in a Bags given away at the Gathering Place and delivered to schools. If you or your group is interested in helping to build STEM in a Bag, **please contact our volunteer manager at volunteers@tulsastem.org**.

Organization Contacts:

American Concrete Institute (ACI)

Michael Schultz Mike@eagleredimix.com 918-688-8061

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 Civil Engineers (ASCE-Tulsa)

Jessica Prince Jessicap@estinc.com 918-613-3360

American Society of Heating Refrigerating & Air Conditioning (ASHRAE)

Steve Uerling, steve.uerling@leeandbrowne.com 918-836-0271

American Society of Mechanical Engineers (ASME Mid-Continent Section)

Dr. Srinivas Kolla, srinivas.kolla@okstate.edu 918-594-8381

American Welding Society (AWS)

Ray Wilsdorf, raywilsdorf@olp.net 918-369-5824

Construction Specifications Institute (CSI)

Jack Vest jackvest@icloud.com 918-633-4726

FIRST LEGO League (FLL) Scott Taylor, P.E. staylor@firstpartners.org

FIRST LEGO League Program Delivery Partner, Oklahoma
Oklahoma Science & Engineering Foundation Director

Institute of Electrical & Electronics Engineers (IEEE)

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International Society of Automation (ISA)

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

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

Oklahoma Society of Professional Engineers (OSPE)

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OSU-Tulsa

Dr. Jacob Bair jbair@okstate.edu

Society of American Military Engineers, Tulsa Post (SAME)

Chris Strunk cb.strunk@gmail.com <http://www.sametulsa.org/>

Society of Hispanic Professional Engineers (SHPE)

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

Society of Petroleum Engineers (SPE)

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

Society of Women Engineers (SWE)

Kristina Wadley Kristina.Wadley@okalliance.com 918-841-7403

Website: www.tulsaneo.swe.org

Facebook: Tulsa Society of Women Engineers – SWE@TulsaSocietyOfWomenEngineers

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

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Tulsa Regional STEM Alliance (TRSA)

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Tulsa Tech

Sam Ramsey, Sam.Ramsey@tulsatech.edu 918-828-1001

Director of the Lemley Campus

Tulsa University (TU)

Marie Moran Marie-Moran@utulsa.edu 918-906-9096

Engineer's Night Out:

Cara Cowen Watts continues to do an outstanding job coordinating EST-ENO (Engineers Night Out) events. Cara has created a calendar for the next 12 months and established guidelines for the ENO. Following are the guidelines for those who may be interested in sponsoring an ENO.

If you would like to sponsor an Engineers' Night Out event which involves paying for the location rental and food which varies from \$ 500.00 to \$ 1,000.00 or more. Drinks are on each individual who attends, so we ask the facility to have a well-stocked bar and staff to accommodate 50 to 100 people. We are planning for 80 as we renew ENO.

To fully utilize your sponsorship, I would consider the following at the event.

1. Signage - TEF ENO Committee does do a small sign at the sign-in table and does provide you with a copy of those who signed in as attendees.
2. Business cards - You may leave them at the sign-in table or have a table with just brochures, push cards, fliers, etc. about your company or even show and tell if you manufacture parts.
3. Staff - Work the room! We all do. That is a valuable part of the event is the business connections.
4. Giveaways/Raffle Items - If you have the budget, our attendees love swag!! Have something to give everyone who attends or bring a few really nice items and we can do tickets at the sign-up for you and then draw for those items. Engineers appear to be thrilled with the raffle drawings in the past.
5. Introductions - We will do a brief introduction and have you wave at everyone and receive your round of applause for feeding us (and to let folks know who to stop by and shake their hand and say thank you before they leave!). No speeches. Just connect and network with your fellow nerds!

ENO is generally the fourth Thursday of each month except November and December from 5:30 pm to 7:30 pm. We do not meet in December and we meet earlier in November to avoid the holidays.

The initial post-pandemic event is crafted by our Organizing Committee to ensure everyone's safety and hopefully ensure success for our Sponsors and the Tulsa Engineering Foundation Engineers' Night Out event! There is some flexibility with the other dates with regard to location. See the bottom of the email for other outdoor locations we are recommending for 2021 dates in September, October, and November as listed below.

Thursday, August 19, 2021 - 5:30 pm to 7:30 pm – **canceled due to COVID concerns.**

Thursday, September 16, 2021 - 5:30 pm to 7:30 pm (note 3rd Thursday vs. 4th)

Hosted by Tulsa Pier Drilling Thank you!

GolfSuites Tulsa

2nd Floor Terrace & (2) Adjacent Golfing Bays

600 Riverwalk Terrace

Jenks, OK 74037 <https://www.golfsuites.com/ok/tulsa/>

Thursday, October 28, 2021 - 5:30 pm to 7:30 pm

Thursday, November 4th - 5:30 pm to 7:30 pm
November is always scheduled early to avoid holiday conflicts

NO December ENO

RESUME 2022:

Thursday, January 27, 2022 - 5:30 pm to 7:30 pm

Thursday, February 24, 2022 - 5:30 pm to 7:30 pm

2021 Preferred Location Options with Outdoor Seating or Outdoor Areas:

Waterfront Grill, 120 Aquarium Drive, Jenks, OK 74037
<https://waterfrontgrilljenks.com/>

Pearl Beach Brew Pub, 418 South Peoria Avenue, Tulsa, OK 74120
<https://www.pearlbeachbrewpub.com/>

Dead Armadillo Craft Brewing, 1004 East 4th Street, Tulsa, OK 74120
<https://www.facebook.com/DeadArmadilloBrewery/>

Please contact Cara Cowen Watts tulsapierdrilling.com office: 918-732-9678 or Mike Miller mmlrmnd@aol.com 918-230-0999 if you have any questions.

Thank you for your continued support of Engineer's Night Out. Go Nerds!