

## **TEF Activity Reports for the April 19, 2018 Quarterly Meeting**

**EWeek Luncheon** – The 2018 Engineer’s Week Luncheon was held on **Feb. 21, 2018**. 55 engineers attended a presentation by Dawn Sullivan, ODOT, at the Tulsa Country Club. ASCE coordinated the event.

**EWeek Breakfast** The 2018 Engineer’s Week Breakfast on **Feb. 23, 2018** had a very large group of participants in attendance, with 141 area high school students and teachers and 54 engineers from the community. As in past years, the breakfast was free to the students and faculty advisors due to generous corporate and private sponsors. Many dynamic panel discussions were lead by industry professionals, covering the realms of engineering, such as Chemical, Mechanical, Electrical, Computer, Civil and Structural. Overall, the breakfast was a huge success, and the impact it had on students wishing to pursue a career in Science, Technology, Engineering, and Mathematics (STEM) was significant. Table sponsors included ASCE, ASHRAE, ISA, SWE, Benham Design, CH2M/Jacobs, Cyntergy, Garver, Linde, McClelland, Mead & Hunt, Meshek, Olsson, QSPE, TD Williamson, Tulsa Engineering & Planning, USACE, WTS OK, and Zeeco. Speakers and engineering panelists were: Pete Ellis, Sarah Kellert; ME & ChE - Loretta Turner, Christina Jackson, & Mike Sanders; CE – Ashley Allinder, Jennifer Bullard, Robert Felice, & Kevin Vanover; EE – Bob Strattan, Meg Broge, Ron Horner, & Todd Parnian.

**Tex Richard Engineering Guidance Awards recipients:** Engineer **Susan Chenshaw**, Oneok, for her STEM advocacy in underrepresented youth populations, particularly women with her volunteer work with TRSA and the Women’s Leadership Council, the Hidden Figures event, and the Girl Scouts of Eastern Oklahoma. Teacher **Kerry Goode** for her impact on students with the STEM SmartLab at the Jenks Middle School and her involvement with TRSA with the drone program and the virtual reality and augmented reality program. She also is involved in FIRST FLL as well as the Jenks Technology Student Association.

**Freshman Scholarship Awards.** Six scholarships were awarded for the 2018-2019 academic year. TEF awarded five \$2,000 Freshman Scholarships. The Karol and Dorothy Hujsak Scholarship recipients were David Fournet, Booker T Washington HS; and Damon Morris, Glenpool HS. The Glenda and James Kilmer Scholarship recipients were Kirby Lough, Memorial HS; Beatriz Peres, Booker T Washington HS; and Rhett Phillips, Owasso HS.

The American Society of Civil Engineers – Tulsa Branch awarded a \$1,500 Freshman Scholarship to Mathew Gibson, Bishop Kelley HS. He plans to study Civil Engineering at Oklahoma State University.

**Tulsa Engineering Challenge (TECh)** was held on **March 2, 2018** at the Tulsa Tech Riverside Campus. This year’s theme is *Engineers Inspiring Wonder*. TECh is a hands-on opportunity for youth grades 4th – 12th to explore problem solving, designing and construction of devices that accomplish tasks. Students compete in activities such as Toothpick Bridge, Rubber Band Powered Vehicle, Ping Pong Ball Launcher, Robot, Chemical Switch, Electric Motor, Extreme Engineering, Paper Airplane – Distance and Duration, Wacky Wonder Works, Digital Poster and more. Walk-up competitions include Aluminum Boat, Academic Olympiad, and Mini-Math. The results are posted under the Tulsa Eng’g Challenge menu.

Thank you to the educators from 53 schools/homeschools for bringing over 1,100 youth to the competition. Over 550 teams entered one or more of the 11 pre-register events. 1,125 students participated in the walk-in events. 39 schools received awards totaling \$9,420. The major sponsors providing funding were AAON, Google, Anne & Henry Zarrow Foundation, ASCE, OSPE, and SAME. Other sponsors were AIChE, ASME, AWS, IEEE, ISA, SWE. The event is hosted by over 100 engineers representing eight engineering societies and many engineering companies. This is indeed an engineering community outreach. A huge thank you to all who helped make it possible.