

PROFESSIONAL DEVELOPMENT HOURS (PDHs) CERTIFICATE

Presented by
Society of American Military Engineers
Tulsa Post

This certifies that

attended the below described program as the November Monthly Luncheon event, sponsored by the SAME Tulsa Post on **November 12, 2019** at Oklahoma State University in Stillwater, Oklahoma. This program covered technical issues relevant to the engineering profession as outlined below. Speakers may double the PDHs for their topic.

After several months of planning and coordination, SAME Tulsa and OKC posts made the first official connections between a college campus and SAME in Oklahoma. Anna Childers, SAME Tulsa Post President, met with the Oklahoma State University Stillwater campus professors and staff in July and August to ascertain the interest in starting a student chapter and subsequently to implement the formation of the student chapter. On November 12th, OKC and Tulsa Post representatives traveled to Stillwater campus to hold a three-hour program that was geared toward STEM students. The program was held at OSU's Endeavor center with lunch provided by Jacobs Engineering.

The program was divided into two parts; the first part highlighted careers as civilians working with Army's engineering projects and the second part highlighted the connectivity of SAME to the careers working with our Nation's security and future challenges:

Wade Anderson, PE, Chief, Engineering & Construction Tulsa District. Topic: Military Engineers - Some, but not all, are Soldiers; What Engineers Do to Support our Military and National Security.

Summary of Presentation: The presentation highlighted how both civilian and active or reserve unit engineers support our military and national security. The mission of the US Army Corps of Engineers is to provide vital public engineering services to strengthen the Nation's security and how engineers, mostly civilian, of all disciplines provide engineering and construction services to serve mission. The presentation also emphasized several recent projects to illustrate the type of programs and projects in which a civilian "Military Engineer" may be engaged.

**Daniel de Robles, PE, US Army Corps of Engineers, Area Engineer, Central Oklahoma Area Office.
Topic: KC-46A Program - Construction Management on a Large Scale.**

Summary of Presentation: The presentation highlighted the construction at Tinker Air Force Base under the supervision of the US Army Corps of Engineers, in particular work for the Air Force's new air refueling tanker. While working on a large program, the presentation provided examples on the importance of team work and appreciation of different engineering disciplines.

Anna Childers, PhD, Jacobs Engineering, Project Manager, Buildings, Infrastructure, and Advanced Facilities.

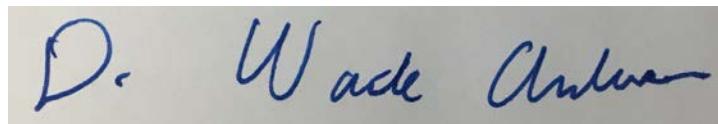
Summary of Presentation: Summary of many different types of DoD projects that private A-E and sustaining SAME firms, like Jacobs, support. The presentation featured different project areas supporting the Nation's security from hangars, runways, taxiways, aprons, buildings and infrastructure, access control points & visitor centers, cyber security, global and local environmental solutions to local collaborative projects.

Joseph Schroedel, BG, P.E., F.SAME, USA (Ret.) SAME Executive Director.

Summary of Presentation: The presentation highlighted the functions and the mission of SAME. In addition, the presentation connected the U.S. National Academy of Engineering (NAE) Global Grand Challenges for Engineering (created in 2008) to the mission of SAME student outreach: an aspirational vision of what engineering needs to deliver to all people on the planet in the 21st century. The 14 Grand Challenges were presented and explained how the students can engage in solving the challenges through SAME by having brainstorming sessions on topics of interest within each category. You can learn more about at www.engineeringchallenges.org

Total PDHs awarded: 3.0 hours

Important: Each member is responsible for applying for his or her own PDH credits with their respective licensing/certification board. The Society of American Military Engineers cannot guarantee that all boards will accept all PDH credit; please check with your licensing board for more information.



Wade Anderson, P.E.
2019 1st Vice President
SAME Tulsa Post