

# **Spring 2018 Professional Development Seminar**

**8:45am to 5:00pm, Thursday, March 29, 2018**

Amarillo College Business and Industry Center  
1314 South Polk Street, Amarillo, Texas

## **Join us for this valuable Continuing Education Seminar!**

You'll have a chance to win one of five \$50 gift cards! To be eligible for the giveaway, you must be registered for the Seminar and present for the drawings.

### **Dr. Stephen B. Bayne** – 9:20am

Dr. Bayne with Texas Tech University will be presenting on Dr. Stephen B. Bayne received his PhD, MS and BS degrees in Electrical Engineering from Texas Tech University. After completing his Doctoral studies, he joined the Naval Research Lab (NRL) where he was an electronics engineer designing advanced power electronics systems for space power applications. After two and a half years at NRL, Dr. Bayne transferred to the Army Research Lab (ARL) where he was instrumental in developing a high temperature power electronic program. Dr. Bayne won the Army Research Lab Achievement Award for Human Resources Development, the Army Research Lab Achievement Award for Engineering, the Army Greatest Invention Award and the Army Research and Development Award. He also won the TTU Lockheed Martin Excellence in Engineering Teaching award. He won the IEEE Texas Tech University Student Branch Teacher of the Year and he was inducted into the TTU teaching academy. Dr. Bayne is also a veteran of the Military, where he served four years in the Air Force.

### **TBPE Board Update** – 10:35am

David Howell P.E. will be speaking on behalf of the Texas Board of Professional Engineering. David Howell has been the Deputy Executive Director for the Texas Board of Professional Engineers since November 2013 and served as Director of Licensing prior to that. He has over 25 years of engineering experience working for the State of Texas, twelve of them with the Board. As the Deputy Executive Director, he helps oversee all agency functions including Enforcement and Licensing activities. He is responsible for legislative reporting and implementation, rule development, budget and policy issues, and represents the Board at statewide and national functions. David has been selected to represent the Texas Board on several national taskforces and committees related to engineering licensure, public outreach and exams. He prepares and gives Licensing and Ethics live and webinar presentations to engineering organizations, universities and other groups.

### **WT A&M Senior Design projects on Display** – 11:45am-1:15pm (over lunch)

### **History of Chlorination** – 1:15pm

Daniel Albus P.E. graduated with a master's degree in Environmental Engineering in 2011. Daniel is an expert in water and wastewater treatment for industries and municipalities. His experience includes design of several reverse osmosis plants, arsenic treatment plants, facultative lagoons and activated sludge systems. This course will explore the incredible saga of how chlorination swept through public water utilities in the early 1900s. This seminal event, changed the course of our nation and how we view the safety of our water. Come and learn about perhaps the greatest achievement in public health history: continuous disinfection of drinking water.

### **Poverty and Discrimination** – 2:25pm

Dr. Russell Lowery-Hart will be presenting on discrimination and poverty and how that relates to Amarillo College's mission to say "Yes" to its students. Lowery-Hart joined the AC administration in 2010 following a dozen years as a member of the faculty and administration at West Texas A&M University, an alma mater where he had risen to associate provost for academic affairs. A product of Slaton, Texas, Lowery-Hart completed his bachelor's degree in speech communication at WTAMU in 1991. He went on to obtain a master's degree in communication studies in 1993 from Texas Tech University and a doctoral degree in gender and diversity in communication in 1996 at Ohio University.

### **Xcel Energy's UAS Program** – 3:45pm

Daniel Fleischman, P.E. is a principal engineer with Xcel Energy's Transmission Line Performance group and will be discussing Xcel Energy's recently developed Unmanned Aircraft Systems (UAS) program.



- ◆ The Seminar is open to everyone! – Please invite others who might be interested
- ◆ There will be 1 hour of ethics education
- ◆ Seminar will begin at **9:15am** with Late Registration Opening at **8:45am**
- ◆ Lunch will be served beginning at 11:45 am and is included in the fee for the Seminar.
- ◆ Dress for this Seminar is casual
- ◆ Amarillo College will issue **CEU certificates for 0.7 unit ( 7PDH)** to attendees who are present for the ENTIRE Seminar.
- ◆ IEEE CEU certificates are available for an additional fee indicated below
- ◆ Cost:

Current member of a sponsoring organization	\$35
Current student member or retired member of IEEE	\$15
Anyone not a current member of a sponsoring organization	\$55
If you are a New York/Florida PE, IEEE CEU certificate cost at check in	\$10

\*\*The exorbitant additional cost of \$1 dollar will be added for online registration due to credit card fees\*\*



**All attendees must register on-line or by mail, by Friday, March 23, 2018 to avoid the late fee. The registration in vTools will be available up until the day of the seminar for late registration.**

**Late registration is available at door with cash or check plus a \$15 late fee.**  
**Space is Limited**

## **On-Line Registration:**

Credit Card registration for seminar go to: <https://meetings.vtools.ieee.org/m/168548>

Registration for After Party: <https://meetings.vtools.ieee.org/m/168556>

To Register Amarillo College Requires:

Date of Birth  
& Last 4 of SSN

**PLEASE PUT IN THE SPECIAL NEEDS AREA  
ON THE ONLINE REGISTRATION FORM**

**To register by cash or check:** Complete and return the attached registration form, together with your payment.

If you need additional information, please call or text Tim Dillon at 806-223-3715 email at [timothy.dillon@xcelenergy.com](mailto:timothy.dillon@xcelenergy.com)

The proper Seminar fee **must** be enclosed with your mail-in form to complete your registration.

A single check may be used for multiple registrations, however **individual registration forms must be used** and a **list/table of names and associated cost must be stapled or taped to check.**

# Spring 2018 IEEE Seminar Registration Form

A copy of this official registration form for this Seminar can be found at:  
<http://www.ewh.ieee.org/r5/panhandle> - click on the "Seminars" link at the top of the page

**\*\*\* Please note that Amarillo College needs both the last four digits of your SSN AND Date of Birth**

Class ID#:

First Name: \* \_\_\_\_\_

Last Name: \* \_\_\_\_\_

Name On Nametag: \* \_\_\_\_\_

Last 4 of Social Security Number: \* \_\_\_\_\_

Date of Birth: \* \_\_\_\_\_

Address: \* \_\_\_\_\_

City: \* \_\_\_\_\_ County: \* \_\_\_\_\_

State: \* \_\_\_\_\_ Zip: \* \_\_\_\_\_

Phone: \* \_\_\_\_\_

E-mail: \* \_\_\_\_\_

Organization Affiliation

IEEE \$35    NSPE \$35    ASME \$35    ASCE \$35

Student or Life member \$15

None of these \$55    Late Fee \$15

IEEE CEU certificate \$10 for New York/Florida PEs

\* Indicates Required Information

Seminar fee must be enclosed with registration form and **must be received by FRIDAY, March 23rd**. This allows us to get an accurate count of the attendees for the caterer and for the handouts.

**Please make checks payable to  
"Panhandle Section of IEEE"**

**Please mail this registration form and your  
check for the Seminar to:**

**Tim Dillon  
790 S. Buchanan – 6<sup>th</sup> Floor  
Amarillo, TX 79101**

Mark your calendar now for the Fall Seminar on  
**Thursday, October 18, 2018!**

**Note that an additional \$15 late fee will be  
required if this registration form and  
payment are not RECEIVED by  
FRIDAY, March 23, 2018.**

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**The Panhandle Section of the Institute of Electrical and Electronics Engineers**

- Providing our members with excellent Professional Continuing Education -

<http://www.ewh.ieee.org/r5/panhandle>

## Co-Sponsored by

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