

# **Spring 2020 Professional Development Seminar**

**8:45am to 5:00pm, Thursday, March 12, 2020**

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.

### **Electrical Diagnostic for the Trinity Test**– 9:20 am

Keith Thomas works with Los Alamos National Laboratory and will be giving a presentation on Electrical Diagnostics for the Trinity Test, America's first nuclear test conducted in southern New Mexico.

### **Ethics**– 10:35am

Richard Burgess is as an Instructor in the Whitacre College of Engineering at the Murdough Center for Engineering Professionalism at Texas Tech University. He teaches ethics courses for undergraduate students, provides guest lectures, and collaborates with faculty/staff regarding ethics in professional practice. Additionally, he oversees the Murdough Center's PDH program for professional engineers and provides workshops on engineering ethics to various companies/institutions. A theme throughout these roles is the importance of ethical reflection in a complex world. Richard holds Bachelor's and Master's degrees in Philosophy and is a PhD student in the Systems and Engineering Management program at Texas Tech. His research interests include sustainability, biomimicry in engineering design, and water system resilience.

### **WT A&M Senior Design projects on Display**– 11:35am-1:15pm (over lunch)

### **TBD**– 1:15pm

### **Performing Harmonic Impedance Studies**– 2:25pm

Martin Cameron has a Bachelors' Degree in Electrical Engineering from the Colorado School of Mines in Golden, Colorado and a Masters' Degree in Engineering Management from the University of Colorado at Boulder. He has over 25 years of industry experience in hydro generation, substation protection and substation controls. In 2014 he started his involvement with FACTS projects and has successfully completed a SVC protection and controls refurbishment and two new SVC projects all in New Mexico. With the two new SVC projects in New Mexico, an advanced control function was implemented between these two SVC's where an IEEE paper was written and published. He is acting secretary in the IEEE I9 working group, which is the Guide for Protecting Transmission Shunt Compensators. He is also the secretary for the IEEE I2 working group, which is the Guide for Thyristor Controlled Series Capacitors. If he is not working, you probably can find him on his road bike.

### **Energy Storage Modeling & Carbon-Free Energy Production**– 3:45 pm

Dr. Manla joined the College of Engineering as an Assistant Professor of Electrical Engineering in 2019. Prior to that, he worked at the University of New Haven as a Visiting Assistant Professor for three consecutive years where he taught a wide variety of courses in Electrical Engineering and Calculus. He received his B.S. in Electrical Engineering from the American University of Sharjah in 2007. He received his M.S. and Ph.D in Electrical Engineering from the University of Wisconsin Milwaukee in 2009 and 2015 respectively.

**Don't forget the After Party!!**

**Cinergy 5:30 – 7:30**



- ◆ 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 11:35 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

\*\*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 6, 2020 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://events.vtools.ieee.org/m/222375>

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 Bobby Clift at 806-378-2581 email at [bobby.clift@xcelenergy.com](mailto:bobby.clift@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 2020 IEEE Seminar Registration Form

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

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 Member # \* \_\_\_\_\_

( ) IEEE Life \$15 Member # \* \_\_\_\_\_

( ) NSPE \$35 Member # \* \_\_\_\_\_

( ) ASME \$35 Member # \* \_\_\_\_\_

( ) ASCE \$35 Member # \* \_\_\_\_\_

( ) Student \$15

( ) None of these \$55

( ) Late Fee \$15

**Note that an additional \$15 late fee will be required if this registration form and payment are not RECEIVED by FRIDAY, March 6, 2020.**

Seminar fee must be enclosed with registration form and **must be received** by FRIDAY, March 6<sup>th</sup>. 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:**

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

Mark your calendar now for the Fall Seminar on  
**Thursday, October 15, 2020!**

\* Indicates Required Information

## Sponsored by

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

- Providing our members with excellent Professional Continuing Education -

<http://sites.ieee.org/panhandle/>

## Co-Sponsored by

Continuing Education Division of Amarillo College

American Society of Mechanical Engineers

Panhandle Chapter of the Texas Society of Professional Engineers

American Society of Civil Engineers

