

SEPTEMBER 17-20, 2019

TEEC 37TH ANNUAL ENGINEERING, ENVIRONMENTAL & MATERIALS MANAGEMENT CONFERENCE & EXHIBIT SHOW

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Your opportunity to connect with electric cooperative engineering, environmental and materials management professionals from throughout Texas

Sign up now to take advantage of sponsorship opportunities and reserve your exhibit space.

REGISTER NOW

[Online Conference Registration](#)

Register by August 19 for the lowest price.

HOTEL INFORMATION

Embassy Suites Dallas-Frisco

7600 John Q. Hammons Drive, Frisco 75034

Room Rate: \$179

Room Block Cut-Off Date: August 19

Check In: 3:00 p.m. **Check Out:** Noon

Note: Hotel reservations made after **August 19** will be on a space-available basis at the hotel's prevailing rate.

After you have registered for the conference, please [click here](#) to make your hotel reservations.



For conference brochures and registration information, go to texas-ec.org.



TENTATIVE AGENDA

TUESDAY, SEPTEMBER 17

- 6:30 a.m. **Complimentary Hotel Breakfast on Your Own**
- 7:30 a.m. **Registration Open**
- 10:30 a.m. **Golf Tournament**
Plantation Golf Club
4701 Plantation Lane, Frisco 75035
(972) 335-4653
Shuttles run 10:30 a.m.-12:30 p.m.
Buffet lunch at noon
Shotgun start at 1:30 p.m.
Return shuttles run 5:00-7:00 p.m.

WEDNESDAY, SEPTEMBER 18

- 6:30 a.m. **Complimentary Hotel Breakfast on Your Own**
- 7:30 a.m. **Registration Open**
- 9:00 a.m. **Pre-Con Session: Engineering Ethics**
- 10:00 a.m. **Refreshment Break**
- 10:30 a.m. **Concurrent Pre-Con Session:**
Power Systems 201
Drones at Co-ops
- 11:30 a.m. **Lunch on Your Own**

GOLF TOURNAMENT

TUESDAY, SEPTEMBER 17

Shotgun Start: 1:30 p.m.

Plantation Golf Club

4701 Plantation Lane, Frisco 75035
(972) 335-4653

Fee: \$75 (Includes two drink tickets, green fee, cart)

Notes: Collared shirts, soft spikes. No denim.



1:15 p.m. **GENERAL SESSION**

Welcome and Convene

Government Relations Update

Power Quality & Thermal Imaging

Outage Management Fault Indication Tool

3:15 p.m. **Exhibit Show and Welcome Reception**

6:15 p.m. **Dinner on Your Own**



TWO-DAY EXHIBIT SHOW

WEDNESDAY, SEPTEMBER 18 | 3:15-6:15 p.m.

THURSDAY, SEPTEMBER 19 | 10:30 a.m.-1:00 p.m.

Don't miss the chance to highlight your products and services, and visit with attendees from all three conferences at one event. Exhibitors who register by August 19 will be included in the Exhibitor Profiles brochure given to all attendees.



TENTATIVE AGENDA, CONTINUED

THURSDAY, SEPTEMBER 19

6:30 a.m. **Complimentary Hotel Breakfast on Your Own**

7:30 a.m. **Registration Open**

8:30 a.m. **GENERAL SESSION**

Welcome and Reconvene

From AMR to AMI

**Effective “OT” Cybersecurity for
Grid Operations**

10:15 a.m. **Refreshment Break**

10:30 a.m. **Practical Sectionalizing Review**

Exhibit Show Reopens

Includes lunch

Door prize drawings at 12:45 p.m.

1:15 p.m. **GENERAL SESSION**

Welcome and Reconvene

**Automatic Throw-Over Schemes Evolution
to Distribution Automation**

Data Mining

**Real-Time Grid Analysis: The Future of
Distribution System E&O**

4:30 p.m. **Adjourn**

Dinner on Your Own

FRIDAY, SEPTEMBER 20

6:30 a.m. **Complimentary Hotel Breakfast on Your Own**

7:30 a.m. **Registration Open**

8:30 a.m. **GENERAL SESSION**

Welcome and Reconvene

**Capacitor Placement, Optimization and Zero
Crossing Closing**

ERCOT Black Start Training

10:00 a.m. **Refreshment Break**

10:15 a.m. **Self-Supported Pole Design and Applications**

Weather Forecast

11:45 a.m. **Closing Announcements/Door Prizes**

Noon **Adjourn**



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EXHIBITOR AND SPONSOR REGISTRATION INFORMATION

[Click here to register online.](#)

For sponsors and exhibitors to be included in the program, on event signage and in the Exhibitor Profiles brochure, registration must be submitted by August 19.

Registration options include:

REGISTRATION	By August 19	After August 19
TEC Business Alliance Program Member	\$570	\$695
Nonmember Registration	\$695	\$795
Tuesday Golf Tournament (Must be registered for conference to attend.)	\$75	\$95
Thursday Networking Lunch (Must be registered for conference to attend.)	\$40 (Ticketed event)	\$50

EXHIBITS	By August 19	After August 19
Business Alliance Program Member Exhibit (Must be registered for the conference. Includes WiFi and one power strip.)	\$125	\$175
Nonmember Exhibit (Must be registered for the conference. Includes WiFi and one power strip.)	\$175	\$225
Additional Exhibit Show Only Attendee 1	\$150	\$200
Additional Exhibit Show Only Attendee 2	\$150	\$200

Exhibit show is Wednesday–Thursday, September 18–19. Exhibitors may register up to two additional employees for the exhibit show only by checking the appropriate boxes above. Exhibitors must complete and return Exhibitor Logistics and Exhibitor Profile forms.

DOOR PRIZES

Will donate (TEC will provide the cash prizes and invoice accordingly):

One , two, three or four \$100 Cash prizes

SPONSORSHIPS

All sponsors who sign up by August 20 will be acknowledged in the official meeting program and will receive special recognition on badges and during breaks and general sessions.

Networking Lunch	SOLD	\$5,000
Wednesday Exhibit Show Refreshments	SOLD	\$5,000
SLIDO Interactive Polling/Q&A Tool	SOLD	\$3,500
Conference WiFi	SOLD	\$3,000
General Session Refreshments (up to 3 available)		\$2,500 each
Thursday Exhibit Show Refreshments		\$2,500
Exhibit Show Entertainment		\$2,500
Keynote Speaker/MC		\$2,500
First Time Attendee Welcome		\$2,000
Golf Tournament Lunch		\$2,000
Golf Tournament Shuttles		\$1,000
Engineering Precon Refreshments		\$750
Materials Management Conference Lunch		\$750
Environmental Conference Refreshments		\$500
Materials Management Conference Refreshments		\$500
Exhibit Show Specialty Drink		\$500

For assistance with sponsorships, please contact Brooke Robertson at brobertson@texas-ec.org or (512) 486-6212.

Registration cancellation policy: All changes or cancellations must be made by email to crousch@texas-ec.org. Cancellations received on/by August 19 are fully refundable. Registrants who cancel August 20–30 will be issued a refund minus a \$175 cancellation fee. Substitutions are accepted. Registrants failing to cancel before August 30 and no-shows are responsible for paying the full registration fee and for registered ticketed events. Ticketed item fees are nonrefundable.

For additional information, contact Brooke Robertson at (512) 486-6212.



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EXHIBITOR LOGISTICS FORM

All exhibitors must submit a completed Exhibitor Logistics Form by August 19.

Company name _____

Primary contact _____

Address _____

City _____ State _____ ZIP _____

Phone _____ Cellphone _____

Email _____

Additional attendees

If you registered for an exhibit with additional attendee(s), please list the name(s) of the additional attendee(s):

1. _____

2. _____

What general product/service line will you promote?

Requests for exhibit space:

Tabletop display Floor display Heavy/oversized equipment

Other _____

Exhibit policies:

- The exhibit show is open 3:15–6:15 p.m., Wednesday, September 18, and 10:30 a.m.–1 p.m., Thursday, September 19.
- The exhibit room will be available for setup at 10:00 a.m., Wednesday, September 18.
- Exhibits must be removed by 3:30 p.m., Thursday, September 19.
- Exhibit tables will be preassigned and marked by company name.

Note: If you will be exhibiting any heavy and/or oversized equipment, please note that in the requests section above and email Brooke Robertson at brobertson@texas-ec.org with exact dimensions of what you are planning to bring as the equipment may be set up outside.

Email completed form to brobertson@texas-ec.org.

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EXHIBITOR PROFILE FORM

As an added value for exhibitors and attendees, all conference exhibitors who register and complete and return this form by August 19 will be included in a special Exhibitor Profiles brochure. The brochure will be given to all conference attendees as an easy, on-site reference about exhibitors and allow for convenient follow-up contact, as well.

Company name _____

Contact _____

Email _____

Phone number _____

Company website _____

Please add a brief description of the products and services your company offers (40 word limit).

Email completed form to brobertson@texas-ec.org.



CONTINUING EDUCATION UNITS AND CONTINUING PROFESSIONAL EDUCATION HOURS

Conference attendees may be eligible for CEU or CPE credits, depending on the governing body. Upon request and completion of the entire conference, TEC will provide a certificate of completion that may be used to apply for CEUs/CPEs. TEC is registered with the State Board of Public Accountancy as a CPE sponsor. Registration with the board does not constitute an endorsement by the board as to the quality of the CPE program. There are no prerequisites.

LEARNING OBJECTIVES

Engineering Ethics

Increase participants' understanding of expected ethics and professional conduct, review case studies to equip attendees to observe ethics in difficult situations and review legislative, rule and policy updates pertaining to Texas professional engineers.

Government Relations Update

Review current overarching challenges of the electric utility industry, coming changes in the industry and recent and future legislative and congressional actions that affect the industry.

Drones in Co-ops Pre-Con

In this hands-on pre-conference session, see firsthand how a drone operates and the real time logistics involved. Discuss how drones can be used as a tool to deal with easement issues and review data capture—what you find using drones and what you can do with that intel.

From AMR to AMI

Learn and understand the difference between AMR and AMI, how to evaluate what is important to your utility when choosing AMI and remember/implement the common standards as they relate to AMI.

Effective “OT” Cybersecurity for Grid Operations

Review the differences in protecting OT and IT systems for grid operators. NERC CIP Compliance in cybersecurity is a good first step, but often is not enough—learn what the minimum best practices should be for IP-based Grid communications systems.

Practical Sectionalizing Review

This session will broaden participants' skills of basic protection and sectionalizing methods, review simple calculations for system impedances and fault current magnitudes, and discuss recloser-to-recloser coordination, recloser-to-fuse coordination, fuse-to-fuse coordination, and fuse-blow versus fuse-save schemes.

Automatic Throw-Over Schemes Evolution to Distribution Automation

Learn how distribution throw-over schemes evolved to distribution automation schemes and what items you need to have implemented for various automated switching schemes to function properly. Show that it is possible to implement a full DA scheme with automatic restoration without utilizing expensive or proprietary software

Real-Time Grid Analysis: The Future of Distribution System E&O

Review existing SCADA and AMR/AMI systems that make it possible to do a real-time grid analysis. Learn the potential benefits of RTGA for the cooperative industry and get an update on the progress of current R&D projects by Milsoft.

Self-Supported Pole Design and Applications

This presentation will go over the considerations that go into the design of a self-supported pole system. This includes consideration of existing soil conditions, cost benefits, material options, procurement process, delivery coordination and installation. There are many options to choose from when considering using a self-supported pole instead of standard guyed construction.

Weather Forecast

Review the upcoming year's weather forecast and what that could potentially mean for your co-op in terms of inventory, staffing and other preparatory matters.