









Out of concern for the health, safety, and well-being of our community, we transitioned our 53rd Annual Transmission & Substation Design & Operation Symposium (2020 TSDOS) from an in-person event to a dynamic and interactive Virtual Conference on Wednesday, September 9 - Thursday, September 10.

Over the course of two days, we provided keynote presentations, workshop discussions, and interactive sessions with real-time Q&A via a web-streamed conference platform. Attendees were able to earn PDH credits, including 1 hour of Ethics, participate in sessions and visit vendors for a chance at winning door prizes.

Our robust on-line exhibit floor experience allowed vendors to demo their products, share videos, download documents and chat with attendees. Attendees unable to join the sessions in real-time, had access to view all portions of the event for up to three weeks after the conference.

# **CONFERENCE KEYNOTE SPEAKER**





PHIL WILSON
GENERAL MANAGER, LCRA

Phil Wilson became LCRA's 11th general manager on Feb. 3, 2014. LCRA's general manager serves as the organization's chief executive officer and carries out LCRA Board policy, manages LCRA's relationships with its customers and stakeholders, appoints and directs executive staff, and oversees projects and operations that support LCRA's public service mission.

Prior to joining LCRA, Wilson was executive director of the Texas Department of Transportation. Under the direction of the Texas Transportation Commission, he managed,

directed and implemented TxDOT policies, programs and operating strategies. He also represented TxDOT before the Texas Legislature and other entities. Before joining TxDOT in 2011, Wilson served as senior vice president of Public Affairs and as a corporate officer for Luminant, Texas' largest electric generation company. In 2007, then-Gov. Rick Perry appointed Wilson as Texas' 106th Secretary of State. In that position, he was the chief elections officer and the chief international protocol officer for Texas. Wilson also served as chair of the Governor's Competitiveness Council and on the Texas Border Security Council.

Wilson previously served as the chair of the Board of Directors of the Austin Chamber of Commerce and as the chair of the chamber's Opportunity Austin initiative, in addition to having served on the chamber's executive committee. Wilson currently serves on the boards of the Large Public Power Council and Texas Public Power Association. Wilson has a Master of Business Administration from Southern Methodist University and a bachelor's degree from Hardin-Simmons University.



# **CONFERENCE SESSIONS**

### **GENERAL**

- Networked UAVs and Their Civilian Applications
- Integration and Control of Distributed Power Sources
- Safety in Equipotential Zones
- 2018 Colorado City Major Storm Event: Oncor Restoration Effort
- KEYNOTE SPEAKER: Future of Texas Energy and Water Nexus in a Growing State
- Ethics for the Professional Engineer Updates
- Conductor Properties & Sag Effects: A
   Comparison Between Traditionally Accepted and Manufacturer Values and an Innovative Approach to Combat the Difference
- A Field Study on Suspended Weights to Secure Steel Davit Arms
- Using Real Time DER Data to Improve Utility Operations
- Design and Construction Considerations Near Renewables

### **TRANSMISSION**

- Avalanche Damage Results in Constructability Improvements
- Ameren's 237' River Crossing Towers Structural and Wind Engineering
- Phased Array UT is Now in the AWS D1.1
   Code What Will That Change for NDT of Pole Welds?
- Risk Mitigation Planning for a Successful EPC Project
- Well Founded: Integration of Geotechnical Investigation, Foundation Design & Construction
- Performance Evaluation of Joint Use Transmission Structures
- The Impacts of NESC 250C Extreme Wind Loading on Structures Less Than 60 Feet
- Transmission Workshop

### **SUBSTATION**

- Transformer On-line Dissolved Gas Analysis Monitoring
- Battery Testing Standards and Best Practices
- Design and Construction Solutions for 138kV/69kV Transmission Substation Cut-Ins in a Constrained Footprint
- Digital Substations
- Do's and Don'ts of Power Factor Testing (Part 1)
- Do's and Don'ts of Power Factor Testing (Part 2)
- Challenges Associated with Diagnostic Testing of PT/VT Instrument Transformers
- An Analysis of Market Variability Trends Among Copper Grounding Products
- Substation Workshop

### **OPERATION/OTHER**

- Lubbock Power & Light (LP&L) The ERCOT Solution
- Role of Power Factor Testing and Dielectric Frequency Response Testing in Bushing Health Assessment
- Review of Integrating and Controlling Distributed Energy Resources
- TDR-Based Fault Location on Overhead Transmission Lines
- Reducing Transformer Current Inrush through Residual Flux Analysis and Precision Switch Closing
- Operations Workshop



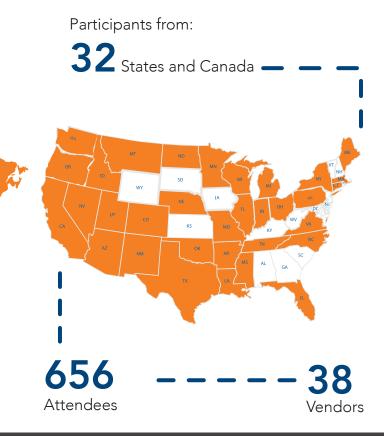


### PRESENTATION SUMMARY

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# Conference Speakers CANA CANA CANA Sessions and Workshops

### **ATTENDEE DETAILS**





# CONFERENCE VENDORS & PRICING

### **VENDORS**

All-Pro Fasteners, Inc.

**Ampirical** 

ASEC, Inc.

Bell Lumber & Pole Company

Black & Veatch

Burns & McDonnell

**CEC** 

**DIS-TRAN Steel** 

Elgin B. Robertson, Inc.

Exo Group, LLC

FB Timberline Construction

FDH Infrastructure Services

**GE Grid Solutions** 

**Hubbell Utility Solutions** 

Incab America

J.H. Davidson & Associates, LLC

K D Johnson, Inc.

Keasler Associates

Kiewit

Kinectrics

McCord Engineering, Inc.

Mesa Associates, Inc.

MICA Steelworks

**NESCO Specialty Rentals** 

Newpark Mats & Integrated Services

Oberlender & Associates

Pike Electric, LLC

Preferred Sales Agency

Sabre Industries

SAM, LLC

Schneider Engineering, Ltd.

Sempco Surveying

Senstar, Inc.

Spartan Infrastructure, Inc.

SynchroGrid, LLC

TAPP, Inc.

TE Connectivity

Texas Electric Cooperatives

The University of Texas at Arlington

WESCO Distribution

YAK ACCESS

### **PRICING**

Early Bird Attendee Registration Fee*	\$395
Attendee Registration Fee	\$495
Vendor Fee with Conference Included	\$995
Vendor Fee w/ Conference Early Bird*	\$895
Vendor Fee	\$545
Additional vendor staff	\$50

<sup>\*</sup>This fee was honored beyond the early bird date.

## **ADVISORY BOARD MEMBERS**





### ANDREW ASTON, P.E.\*

Manager

Transmission and Substation Engineering

Oklahoma Gas and Electric

### WALTER BARTEL, P.E.\*

Director, High Voltage Projects

CenterPoint Energy, LLC

### MYTHILI CHAGANTI, P.E.\*

Manager, Standards

CenterPoint Energy, LLC

### TIM CRONEMEYER

Station Manager

American Electric Power

### KRYSTAL DEVOS

Engineer Sr., Transmission Standards

**American Electric Power** 

### DR. REZA EBRAHIMIAN, P.E.

Director, T&D Planning

**Austin Energy** 

### MATT ESTRADA

Engineer Sr.

American Electric Power

### TIP GOODWIN, P.E.

Consulting Engineer

**Tip Goodwin Consulting, LLC** 

### TIM HARTZ, P.E.

Manager, Transmission Engineering

**Brazos Electric Power Cooperative** 

### JOE HAZLEWOOD

**Technical Specialist** 

**Oncor Electric Delivery** 

### STAN KRAUSE, P.E.

Manager

Transmission Line Engineering

American Electric Power

### DR. WEI-JEN LEE\*

Director

Energy System Research Center
The University of Texas at Arlington

### JUAN MELENDEZ, P.E.

**Engineering Manager** 

**Transmission Standards** 

**Lower Colorado River Authority** 

### AMIR MEMIC, P.E.

**Director Development** 

Lone Star Transmission, LLC

### MATTHEW MORRISON, P.E.

Transmission Standards Manager

**Oncor Electric Delivery** 

### **DAVID SOLIS**

Transmission Services Station Manager

**American Electric Power** 

### JOHN SWIFT, P.E.\*

Manager, Substation Design

**Oncor Electric Delivery** 

### **NEFTALY TORRES, P.E.\***

Manager, Substation Relay & SCADA

CenterPoint Energy, LLC

### **DAVID TURNER**

Director of System Planning and Customer Operations

Lone Star Transmission, LLC

### RANDY WEISS, P.E.

**Engineering Supervisor** 

**Lower Colorado River Authority** 

The University of Texas at Arlington Conference and Event Management

### **CASSANDRA SMITH\***

**Executive Director** 

### **STACI MOORE\***

Manager

### **TERRE COLEMAN\***

Coordinator

### KIMBERLY GALE\*

Coordinator

### **CHRIS BILARDI\***

Conference Affiliate

\*Not pictured































**BREAK** 











We listen. We solve.8



**WRAPS** 





















**BANNER AD** 



WATER BOTTLES



CONTRIBUTING -













THE UNIVERSITY OF TEXAS AT ARLINGTON tsdos.org | events@uta.edu

# SAVE THE DATE SEPTEMBER 8 - 10, 2021 EMBASSY SUITES, FRISCO

Preconference on September 7 tsdos.org | events@uta.edu