



TRANSMISSION AND SUBSTATION DESIGN AND OPERATION SYMPOSIUM

UNIVERSITY OF TEXAS  ARLINGTON

September 11 - 13, 2013 | Crowne Plaza Dallas

2013

CONFERENCE POST
REPORT



TRANSMISSION AND SUBSTATION DESIGN AND OPERATION SYMPOSIUM

UNIVERSITY OF TEXAS  ARLINGTON

MISSION

To promote the exchange of ideas and experience for the benefit of those people concerned with transmission and substation design and development.

LEADERSHIP

The primary committee was comprised of The University of Texas at Arlington along with industry leaders including representatives from: Oncor Electric Delivery, CenterPoint Energy Houston, AEP, OG&E, Brazos Electric Power Cooperative, Lower Colorado River Authority, TNMP, AEP-TCC, and Lone Star Transmission, LLC.



TRANSMISSION AND SUBSTATION DESIGN AND OPERATION SYMPOSIUM

UNIVERSITY OF TEXAS  ARLINGTON

EVENT HIGHLIGHTS

Number of Attendees: 577
Attendees from 28 states and
Canada
Number of Exhibitors: 58

PRESENTATION SUMMARY

Keynote Speaker: 1
Featured Speaker: 1
Breakout Sessions: 15
Workshops: 3



Stuart Nelson, Executive
Manager
of Lower Colorado River
Authority (LCRA)



TRANSMISSION AND SUBSTATION DESIGN AND OPERATION SYMPOSIUM

UNIVERSITY OF TEXAS  ARLINGTON

KEYNOTE SPEAKER

**Stuart Nelson, Executive Manager of Lower Colorado River Authority (LCRA)
Transmission Services and Vice President and Chief Operating Officer of LCRA
Transmission Services Corporation (TSC).**

Mr. Nelson directs a staff of more than 600 employees that are responsible for the planning, engineering, construction, operation, maintenance, safety and reliability of more than 4,700 miles of electric transmission line and 300 electrical substations. LCRA TSC is one of the largest transmission service providers in the state of Texas and operates in 54 counties. Mr. Nelson is currently a member of the Electric Reliability Council of Texas' (ERCOT) Technical Advisory Committee and the North American Electric Reliability Corporation's (NERC) Planning Committee. He is the past Chairman of ERCOT's Reliability and Operations Subcommittee and Engineering Subcommittee. He graduated from the University of Texas at Austin in 1983 with a Bachelor of Science Degree in Electrical Engineering. He is a registered professional Engineer in the State of Texas.



TRANSMISSION AND SUBSTATION DESIGN AND OPERATION SYMPOSIUM

UNIVERSITY OF TEXAS  ARLINGTON

BREAKOUT SESSIONS

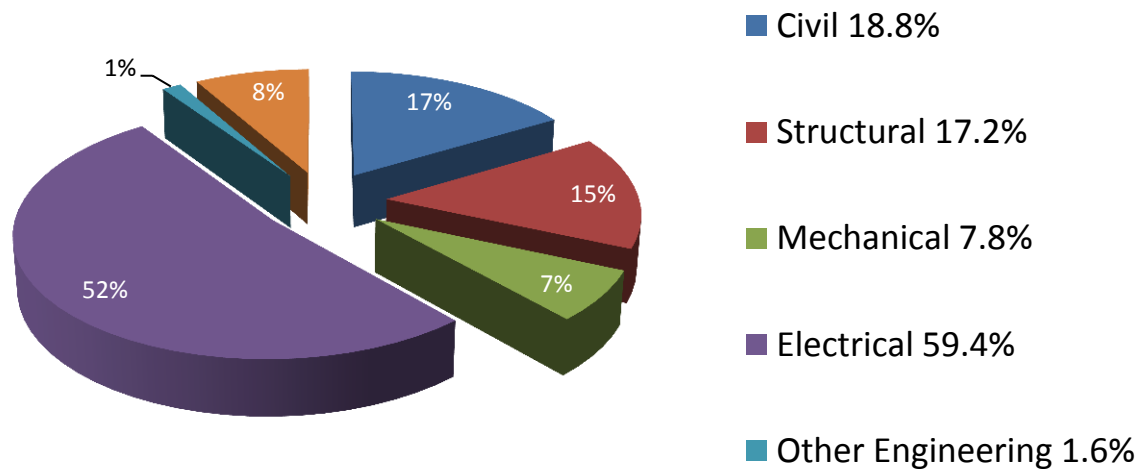
- Ercot Energy Prices and Market Update
- Engineering and Constructing High Quality Drilled Shafts
- AEP 69-kV Oil-Insulated Transmission Line Removal Project
- Frequency Response Analysis: Failure Mode Analysis
- Arm Vibration Study – 345 kV Double Circuit Steel Poles
- Axial and Lateral Capacity of Tapered Helical Piles for Transmission Pole Structures
- Concurrent Technical Paper Presentations
- Practical Considerations and Solutions Employed in Thermal Design & Operation of a Power Transformer
- Optimization of Power Transformer Dry-out Process— Application of Advanced Diagnostic Technology
- Welding Panel Discussion: How to Get the Best Welds on Structures Through Standards and Inspection
- Nip / Tuck Method
- Simulating Real World Conditions for Relay Scheme Testing
- Load Growth in West Texas
- Planners Perspective on Series Compensated Transmission Lines
- Adventures in Routing: A Case Study From the Big Hill to Kendall 345 KV CREZ Project in Kerrville, TX



TRANSMISSION AND SUBSTATION DESIGN AND OPERATION SYMPOSIUM

UNIVERSITY OF TEXAS  ARLINGTON

2013 SYMPOSIUM DEMOGRAPHICS





TRANSMISSION AND SUBSTATION DESIGN AND OPERATION SYMPOSIUM

UNIVERSITY OF TEXAS  ARLINGTON

EXHIBITORS

Aerotec
ABEINSA Power Structures
(COMEMSA)
JHDavidson & Associates, LLC
All-Pro Fasteners, Inc.
AVO Training Institute, Inc.
Brugg Cables, LLC
Butler and Land, Inc.
CBS Arcsafe
Chain Electric Company
DIS-TRAN
DMC Power
Dynamic Ratings, Inc
Electrical Consultants Inc.
Elgin B. Robertson, Inc.
Energy Reps
Falcon Steel Co.
FAPCO/C & M Precast
Fred Oberlender & Associates, Inc.
FWT, LLC

House Of Threads
Hubbell Power Systems
JH Davidson & Associates, LLC
K D Johnson Inc
Lamb-Star Engineering, LP
Len T Deloney Co.,LLC
Marathon Electric
Mastec
Megger
Mitsubishi Electric Power Products
MYR Group
Nanjing Electric
National Field Services
Nolan Power Group
Normandy
Omicron Electronics Corp. USA
Pike Energy Solutions
Powell Electrical Systems
Power Solutions

Powerline Utility Services
Preferred Sales
ProgUSA
Reliapole
ROHN Products, LLC
Sabre Tubular Structures
Sempco Surveying
Shermco Industries
Southwire Company
SPX Transformer Solutions
Stuart C Irby
Surveying And Mapping, Inc. (Sam, Inc.)
Techline
Thomas & Betts Corporation
TRC Engineers
Trinity Poles
Utility Sales Agents of North Texas/Seves
Vacuum Interrupters
Valmont Newmark Inc
VI Engineering



TRANSMISSION AND SUBSTATION DESIGN AND OPERATION SYMPOSIUM


UNIVERSITY OF TEXAS  ARLINGTON

2013 SYMPOSIUM PRICING

Title Sponsor	\$5,000.00
Bag Sponsor	\$2,500.00 - \$5,000.00
Coffee Break	\$1,500.00
Program Sponsor	\$2,500.00 +
Flash Drive Sponsor	\$3,000.00
Contributing Sponsor	\$250.00
Lanyard Sponsor	\$1,000.00
Hotel Key Card Sponsor	\$1,000.00
Water Bottle Sponsor	\$1,000.00
Wireless Sponsor	\$2,000.00



TRANSMISSION AND SUBSTATION DESIGN AND OPERATION SYMPOSIUM

UNIVERSITY OF TEXAS  ARLINGTON

2013 TSDOS





TRANSMISSION AND SUBSTATION DESIGN AND OPERATION SYMPOSIUM

UNIVERSITY OF TEXAS  ARLINGTON

Advisory Board

Kevin C. Allen, P.E., Consulting Engineer, Oncor Electric Delivery

Reginald W. Comfort, Manager, Substation Projects,
CenterPoint Energy Houston

Huntis Dittmar, P.E., Engineering Supervisor,
Asset Performance & Reliability, LCRA

Matt Estrada, AEP

Tip Goodwin, P.E., Consulting Engineer, Oncor Electric Delivery

Stan Krause, Manager T- Line Engineering-Tulsa, AEP

Joe Hazlewood, Technical Specialist, Oncor Electric Delivery

Dr. Wei-Jen Lee, Director, Energy System Research Center,
The University of Texas Arlington

Steven W Myers PE, Mgr Transmission/Substation Engineering, OG&E

Larry Plemons, Supervisor, Civil Engineering,
Brazos Electric Power Cooperative

Javier A. Sanchez, P.E. Supervisor, Engineering,
Lower Colorado River Authority (LCRA)

Erich Schoennagel, Manager of Transmission Engineering for CenterPoint Energy

David Solis, Transmission Services Station Manager, AEP - TCC

David K. Turner, P.E., Project Director, Lone Star Transmission, LLC





TRANSMISSION AND SUBSTATION DESIGN AND OPERATION SYMPOSIUM

UNIVERSITY OF TEXAS  ARLINGTON

2013 SPONSORS

TITLE SPONSORS



TITLE/PROGRAM SPONSOR



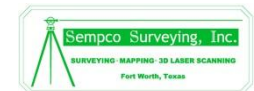
CONFERENCE BAG SPONSOR



FLASH DRIVE SPONSOR



WATER BOTTLE SPONSORS



COFFEE BREAK SPONSORS



HOTEL KEY CARD SPONSOR



LANYARD SPONSOR



WIRELESS INTERNET SPONSOR

