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, AEP-TCC, and Lone Star Transmission, LLC.
EVENT HIGHLIGHTS

Number of Attendees: 667
Participants from 31 States and Canada
Number of Exhibitors: 52

PRESENTATION SUMMARY

Keynote Speaker: 1
Breakout Sessions: 15
Workshops: 3

Harve D. Hnatiuk, P.E., F.NSPE - the 2014-15 President of the National Society of Professional Engineers (NSPE).
Harve D. Hnatiuk, P.E., F.NSPE - the 2014-15 President of the National Society of Professional Engineers (NSPE).

A member of NSPE since 1980, Mr. Hnatiuk has held many volunteer leadership positions with the Society including being a member of the Executive Committee, Board of Directors and House of Delegates. He has chaired NPSE’s Dues and Billing Standardization Task Force, its Critical Infrastructure and Homeland Security Task Force, the 2013 and 2014 Conference Task Force (co-chair) and served as vice chair of its Legislative and Government Affairs Committee. In 2005 he was named an NSPE Fellow. He is also a longtime member of the Pennsylvania Society of Professional Engineers (PSPE), where he has been president of both PSPE and its Valley Forge Chapter. He was honored as PSPE’s “Engineer of the Year” in 2009.
Mr. Hnatiuk is Vice President of Maida Engineering, Inc., a professional multi-discipline engineering firm founded in 1978. The company serves clients in all business sectors throughout the US.
BREAKOUT SESSIONS

- Analysis of Fault Current Heating Effect for Optical Ground Wire Application
- Will the use of sUAS’s (“Drones”) in the United States Energize Inspection of Electrical Transmission Line Structures?
- A Risk-Based Approach to Stocking Spare Equipment
- Deploying Dynamic Line Rating to Increase T-line Capacity in West Texas
- Video Monitoring Solutions for Electric Utilities-Issues, Requirements and Examples
- 138kV Oil-Filled Underground Pipeline: Leak Detection, Failure and Repairs
- Overview Factors on Assessing Insulation Life
- Aeolian Vibration Dampers - Theory & Laboratory/Field Testing
- Application of HTLS Conductor for a 2400’ River Crossing Span
- Ground-Based 3D Laser Scanning - A Practical Approach to Transmission & Substation Design
- Subsynchronous Resonance Risk in Power Systems (ERCOT Perspective)
- Siting Transmission Lines Adjacent to Underground Pipelines
- Understanding the High Voltage Circuit Breaker Nameplate
- A Comprehensive Approach to Current Transformers Field Diagnostics
- Transmission Line Lightning Protection and Reliability Review
- Reconductoring a 345kV Line Hot: A Project Experience
- Physical and Cybersecurity Requirements Converge to Create Complex Challenges for Utilities
2014 SYMPOSIUM DEMOGRAPHICS

- Civil 18.8%
- Structural 17.2%
- Mechanical 7.8%
- Electrical 59.4%
- Other Engineering 1.6%
EXHIBITORS

Aerotec
Aldridge Construction
All-Pro Fasteners, Inc.
American Wire Group
Butler and Land, Inc.
CBS Arcsafe
Chain Electric Company
Circuit Breaker Analyzer
City Transformer Service Co.
DIS-TRAN
Doble Engineering
Dynamic Ratings, Inc
Electrical Consultants Inc.
Elgin B. Robertson, Inc.
Energy Reps
Falcon Steel Co.
Fugro Consultants, Inc.
FWT, LLC
House Of Threads
Hubbell Power Systems
Irby
JH Davidson & Associates, LLC
K D Johnson, Inc.
MasTec, Inc.
Megger
Mitsubishi Electric Power Products
National Field Services
Nolan Power Group
Powell Industries
Power Line Services, Inc.
Power Solutions
PPC Insulators
Preferred Sales
Reliapole
RFL Electronics
ROHN Products, LLC
Sabre Tubular Structures
Sempco Surveying
Shermco Industries
Southwire Company
SPX Transformer Solutions
Surveying And Mapping, Inc. (Sam, Inc.)
TAPP Steel Poles
Techline
Transmission Corridor Engineering, Inc.
Trinity Meyer Utilities Structures, LLC.
TRC Engineers
UC Synergetic
Utility Sales Agents
Vacuum Interrupters
Valmont Newmark
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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
Joe Hazlewood, Technical Specialist, Oncor Electric Delivery
Stan Krause, Manager T-Line Engineering-Tulsa, AEP
Dr. Wei-Jen Lee, Director, Energy System Research Center, The University of Texas at 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