Energize Your Future

AT THE PREMIER ELECTRICAL MAINTENANCE AND SAFETY EVENT

PowerTest heads to Fort Worth, Texas in 2016

If you ask the people of Fort Worth, Texas to talk about their city, they might recount beginnings as a small outpost on a lonely frontier. Unusual, perhaps, in a state where everything is bigger. But, eventually Fort Worth lived up to its state’s big reputation, by growing to the fifth-largest city in Texas with about 800,000 people today who are ready to take on modern challenges for expansion and growth. Its cattle and oil beginnings have been interwoven with an array of diverse industries.

PowerTest draws many parallels to Fort Worth. While no one can claim they have been lonely at PowerTest, the premier electrical maintenance and safety event has grown in similar fashion, seizing opportunities to help industry professionals grab the bull by the horns and jump to the top of their game. Fort Worth’s mission to work together to build a strong community describes the PowerTest commitment to build a network of knowledgeable professionals in the electrical safety industry, working together to uphold the standards and improve safety and reliability.

Deep in the heart of Texas, PowerTest 2016 comes to Fort Worth to plug into the city’s vast energy and connect attendees with leading industry experts, high power learning, and networking. Everything’s bigger in Texas, including the opportunities for you at PowerTest 2016.

FORT WORTH, TEXAS
MARCH 14-18, 2016

Keynote Speaker: Gary Norland

Gary Norland is a husband, father, electrician and speaker.

Gary spent several years traveling and working various jobs in construction. He eventually went to work as a union maintenance electrician for his local pulp and paper mill – no more travel, a good income and stability.

He was a healthy 6’3”, 240 lbs. man who loved his work. His attitude was always about getting the job done. But one day his life changed when he was electrocuted by a 12,500 volt 200 amp overhead power line. He is here to share with you how hard work and dedication to your job should be a focus, but not your only focus. Gary wants others to understand that if you don’t take safety seriously, your life could resemble his in less than a second.
Technical Presentations

ELECTRICAL SAFETY
- Protective Devices Maintenance and the Potential Impact on Arc Flash Incident Energy
  Dennis Neitzel, AVO Training Institute, Inc.
- Beliefs Drive Behaviors
  D. Ray Crow, DRC Consulting Ltd.
- Potential Impact of ISO 55000 on Maintenance Critical to Electrical Safety
  H. Landis Floyd, Electrical Safety Group, Inc.
- Electrical Safety Management System Principles and Practices
  Mike Doherty, Shermco Industries Canada
- Overview of an Electrical Safety Program Development Guide
  Terry Becker, Electrical Safety Program Solutions, Inc.
- Arc-Flash Mitigation by Transformer Differential Relay Protection
  Mose Ramieh III, PGTI
  Randall Sagan, MBUSI

RELIABILITY
- System Testing of Protection Devices and Schemes – What Is It and Why Do We Need It?
  Will Knapek, Benton Vandiver, and Alexander Apostolov, OMICRON electronics Corp. USA
- Improving Safety through Partial Discharge Surveying
  Tony McGrail, Doble Engineering Company
- Transformer Failures and Case Study
  Shuzhen Xu, FM Global
- Protecting Batteries that Protect Your Power System
  Brandon Schuler, Electrical Reliability Services
- Power Quality Monitoring and Communications Standards Update
  Ross Ignall, Dranetz Technologies
- How Disruptions in DC and Communications Affect Protection
  Karl Zimmerman and David Costello, Schweitzer Engineering Laboratories, Inc.

EQUIPMENT
- Bushing Replacement – It Fits, But Will It Work?
  Keith Hill, Doble Engineering Company
- Gaps in Motor Reliability
  Lona Mazzeo, PDMA
- Reliability of Electrical Systems: From Testing to Monitoring
  Alan Ross, SD Myers
- Understanding and Testing Motor Overload Protection and Thermal Models
  Daniel Ransom, Doble Engineering Company
- Electric & Dielectric Condition Assessment of HV Current Transformers
  Diego Robalino, Megger
- Understanding Transformer Differential Protection
  J Scott Cooper, OMICRON electronics Corp. USA

CIRCUIT BREAKERS
- Power Factor Testing for SF6 Breakers
  Rick Youngblood, Doble Engineering Company
- Vacuum Interrupters: Pressure Vs. Age – A Study of Vacuum Levels in 314 Service Age Vacuum Breakers
  John Cadick, Cadick Corporation
- Effects of Low Resistance Measurement Instruments on Protection and Control Devices
  Dinesh Chhajer and Jammie Lee, Megger
- Diagnostic Testing Practices for SF6 Filled Dead Tank Circuit Breakers
  Charles Sweetser, OMICRON electronics Corp. USA
- What is TankLoss Index?
  Rick Youngblood, Doble Engineering Company
- Circuit Breaker and Transducer: Where Do I Connect?
  Robert Foster, Megger

ELECTRICAL COMMISSIONING
- Application and Commissioning of On-line Partial Discharge Technology to Medium-Voltage Switchgear
  Bruce Rockwell, American Electrical Testing Co., Inc.
- Electrical Commissioning Tips and Trends for Advanced Critical Facilities Applications
  Corey Dozhier, Oracle
- Electrical Testing and Inspection of Equipment in Questionable Condition
  Peter Brosz, Brosz Group of Companies

TECHNICAL REPORTS SYMPOSIUM: COMMUNICATING WITH YOUR CLIENT

Moderator: Ron Widup, Shermco Industries

When personnel perform electrical testing and maintenance tasks in the field, a critical aspect of communication is providing a succinct and technically accurate summary of the work to the client or owner.

From a small single-item test or a large multi-craft maintenance outage and all projects in between, all require clear lines of communication, correct use of grammar, absence of slang terms, and generally must exhibit an overall professional style and framework.

This symposium will describe challenges, provide reference materials, and allow attendees to interact with subject matter experts on technical report structure and readability. A must attend event for all!
Tuesday Morning
Join in the discussion during the Tuesday morning Panel Sessions. Select two of the four panel topics and get ready to learn from experts and peers alike.

Panels:
- Electrical Safety
- Cable Testing
- Circuit Breaker Maintenance
- Protection and Control

Tuesday Afternoon
POWERTEST 2016 TRADE SHOW
The PowerTest 2016 Trade Show promises more than 100 top-tier electrical power vendors whose mission is electrical safety and reliability. Enjoy a complimentary lunch and beverages as you tour the show and make connections. New this year, we have expanded the hours of the trade show. The PowerTest 2016 Trade Show will take place from 12:00 PM – 6:00 PM.

Tuesday Evening
DON’T MISS THE POWERTEST 2016 – POWERBASH RECEPTION!
A gathering you don’t want to miss. Enjoy the Western charm and music of Texas, celebrate the best of PowerTest, mix and mingle. Tuesday evening from 7:00 PM – 10:00 PM.

Hospitality Suites
Enjoy some Texas Hospitality at the Sponsored Suites from 6 PM – 10 PM Monday evening. Talk with the experts, find solutions for your business, and catch up on the latest products and services as each sponsoring company shares its own brand of hospitality.

Wednesday and Thursday
Two days are dedicated to high-power learning. Choose from 12 in-depth, four-hour seminar presentations.

PowerTest 2016 Technical Seminars cover current topic and important industry issues that will broaden your horizons and expand your knowledge, preparing you for challenges ahead.

SEMINAR TITLES
- Basic Power Factor Theory
  Keith Hill and Rick Youngblood, Doble Engineering Company
- Maintenance and Testing of Battery Systems
  Tom Sandri, Shermco Industries
- Introduction to IEC61850 Protection
  Jay Gosalia, Doble Engineering Company
- Power Factor Testing of Instrument Transformers
  Keith Hill and Rick Youngblood, Doble Engineering Company
- Hands-On Protection Troubleshooting 2.0 Session
  Karl Zimmerman and Dave Costello, Schweitzer Engineering Laboratories
- Risk Assessment Techniques Using NFPA 70E: A Primer
  Jim White, Shermco Industries
- Cable Fault Location… Not for the Faint of Heart
  Tom Sandri, Shermco Industries
- Commissioning of Power Transformers
  Donald Platts, OMEC electronics Corp. USA
- Human Error Reduction
  Stacey Helmer, Practicing Perfection Institute
- Power Factor Testing of Power Transformers
  Keith Hill and Rick Youngblood, Doble Engineering Company
- Event Analysis with Practical Examples for Testing and Commissioning
  Karl Zimmerman and Dave Costello, Schweitzer Engineering Laboratories
- Understanding Ground Resistance and Resistivity Testing
  Tom Sandri, Shermco Industries

Friday
The Doble Laboratory Seminar is designed for engineers, chemists, and others responsible for reviewing data to interpret laboratory results to detect and identify problems within electric apparatus. The seminar will be interactive, combining theoretical background with practical experience and hands-on examples including case studies illustrating common problems found in the field.
Register on-line at
www.powertest.org
Or call
888-300-6382 (NETA)

<table>
<thead>
<tr>
<th></th>
<th>Non Members</th>
<th>NAC/Alliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday &amp; Tuesday</td>
<td>$995</td>
<td>$895</td>
</tr>
<tr>
<td>Monday - Thursday</td>
<td>$1895</td>
<td>$1695</td>
</tr>
<tr>
<td>Single Day</td>
<td>$580</td>
<td>$550</td>
</tr>
<tr>
<td>Doble Seminar</td>
<td>$445</td>
<td>$445</td>
</tr>
</tbody>
</table>

REGISTER ON-LINE
To register for PowerTest 2016, save time by registering on-line. You’ll find a complete brochure and registration form available at www.powertest.org.

HOTEL RESERVATIONS*
Omni Fort Worth Hotel
888.444.OMNI
1300 Houston Street
Fort Worth, TX 76102

Reservation Deadline: February 5, 2016
Group Name: NETA/PowerTest
Group Rate: $209

* Once you register for PowerTest 2016, you will receive a link via email to secure your hotel reservations at the Omni Fort Worth.

PAYMENT
NETA accepts all major credit cards. Save time and register on-line at www.powertest.org or call 888-300-6382 (NETA)

EXTRAS
PowerTest 2016 Technical Papers – Registered conference attendees will receive all PowerTest technical presentations on a USB drive on site in their registration bag.

Easy Steps for Registration
1. Go to www.powertest.org and review the complete PowerTest 2016 on-line brochure.
2. Decide the number of days you will attend the conference.
3. Tuesday attendees select up to two panels.
   (Cost of panels included in the registration fees.)
4. Wednesday attendees register for up to two seminars.
   (Cost of seminars included if registered for Monday – Thursday.)
5. Thursday attendees register for up to two seminars.
   (Cost of seminars included if registered for Monday – Thursday.)
6. Register for Doble Lab Seminar.
   (Cost of seminar is in addition to the registration fees.)
7. Sign up for Spouse/Guest Passes.
   (Cost of passes is in addition to the registration fees.)
8. Sign up for PowerTest 2016 conference polo shirts and select size.
   (Cost of polo shirts is in addition to the registration fees.)

Fort Worth, Texas
Sunday, March 13
9:00 AM – 4:00 PM
Megger Best Practices
Megger’s seminar will address many of the critical and costly aspects of substation maintenance. The interactive session will feature practical presentations on current methods and practices to help ensure the reliability of high-voltage circuit breakers, power transformers, and batteries. You must preregister for this event by contacting Megger: 214-330-3514

Monday, March 14
12:00 PM – 2:00 PM
Power DB User Group
Annual User’s Group Meeting open to licensed users of PowerDB Pro Software. Agenda will include presentations by the PowerDB Pro development team as well as utility, industrial and contractor groups discussing how this product is an integral part of their business operations.

5:00 PM – 6:00 PM
New Product Forum
Attendees will have the opportunity to learn about dozens of the latest products and innovations, major expansions, and significant improvements by the leading industry-specific manufacturers and suppliers at the Tuesday Trade Show. Stay until the end for the chance to win an exclusive prize! Must be present to win.

SPOUSE/GUEST PASS
A special lounge exclusively for spouses and guests of PowerTest attendees, stocked daily with light refreshments and information on local activities. Includes admission to Hospitality Suites Monday evening, Tuesday Trade Show, and Tuesday evening PowerBash reception. $75 per person.

SOCIAL PASS
The Social Pass includes admission to the Hospitality Suites, Trade Show, and the PowerBash reception. $50 per person.