



# **NACE CENTRAL AREA CONFERENCE 2017** FINAL PROGRAM

August 7-9, 2017 | Austin, TX

# Thank You to Our Generous Sponsors:



## Schedule of Events

Day	Event	Location	Time
Sunday, August 6, 2017	Registration <i>Sponsored by NDT Global</i>	Griffin Hall Foyer	2 to 5 p.m.
Monday, August 7, 2017	Clays for a Cause	Capital City Sporting Clays Club 8707 Lindell Ln, Austin, TX 78724	8 a.m. to 1 p.m.
	Registration	Griffin Hall Foyer	10 a.m. to 5 p.m.
	Program	Rooms 201-204, Brazos	1 to 5 p.m.
	Exhibitor Set-up	Griffin Hall	8 a.m. to 2:30 p.m.
	Exhibitor Hours	Griffin Hall	2:30 to 7 p.m.
	Opening Reception	Griffin Hall	5 to 7 p.m.
Tuesday, August 8, 2017	Registration <i>Sponsored by NDT Global</i>	Griffin Hall Foyer	7:30 a.m. to 5 p.m.
	Program	Rooms 201-204, Brazos	8 a.m. to 5 p.m.
	Exhibitor Hours	Griffin Hall	9:30 a.m. to 6 p.m.
	Shoe Shiner <i>Sponsored by BK Corrosion</i>	Level 2, near Starbucks	10 a.m. to 4 p.m.
	Exhibit Hall Happy Hour <i>Sponsored by Carboline</i>	Griffin Hall	5 to 6 p.m.
	Social Event at Banger's <i>Sponsored by SAE, Polyguard Products Inc, and Anotec</i>	Banger's Sausage House & Beer Garden 79 & 81 Rainey St, Austin, TX 78701	6:30 to 10 p.m.
Wednesday, August 9, 2017	Registration <i>Sponsored by NDT Global</i>	Griffin Hall Foyer	8 to 10 a.m.
	Exhibitor Hours	Griffin Hall	9:30 to 11:30 a.m.
	Program	Rooms 201-204, Brazos	8 to 11:30 a.m.
	Exhibitor Tear-down	Griffin Hall	11:30 a.m. to 2 p.m.

## Conference Committee

### Conference Committee

Conference Chair: Robert Boswell, Boswell & Reyes International

Technical Committee Chair: Stephen Foster, Wiss, Janney, Elstner Associates, Inc.

Technical Committee Vice Chair: Sumanth Cheruku, Pivot Engineers

### Technical Committee

Paul Gagnon, Carboline

Jeff Perry, EOG Resources, Inc.

Doug Sherman, Corrosion Probe, Inc.

Edwin Thomas, Austin Energy

## Welcome to the 2017 NACE Central Area Conference

Dear Conference Attendees,

On behalf of the Central Texas Section NACE International, my wife and I want to welcome you to the City of Austin and to the 2017 Central Area Conference. We are honored to be your hosts for the next few days and hope that you will find your time here, both beneficial and fun. Experts from throughout the region will be sharing their knowledge, experience, and insights with us during the technical sessions. Innovative companies, who specialize in meeting the needs of the corrosion control industry, will be in the exhibit hall. Austin provides a variety of things to do while visiting; from the pizzazz of the hot spots with live music in multiple pubs, taverns and eateries on 6th street down town, the local golf courses, Lady Bird Lake and it's walk way, Travis Lake and the Oasis Restaurant, to the allure of the upscale restaurants in the Arboretum area on Highway 183 that offers the popular Cheesecake Factory, the exotic Estancia Brazilian Steakhouse, the scrumptious Truluck's Seafood and more. So if you like the night life, lakes, golfing, food and more, Austin has plenty to offer.

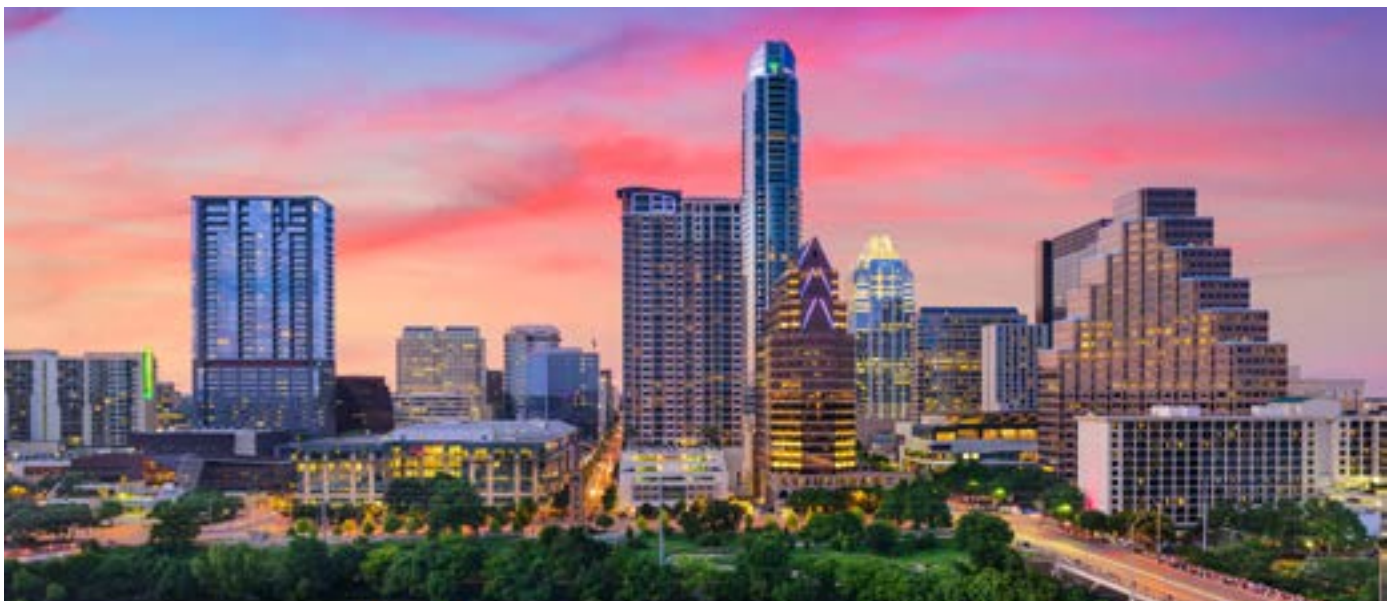
Additional events scheduled for the Conference:

- The Clays for a Cause Annual Clay Shoot Fund Raiser for scholarships. It will be Monday, August 7<sup>th</sup> from 8 a.m. to 1 p.m.
- Texas Style Backyard Cookout and Armadillo Racing. This event will be Tuesday, August 8<sup>th</sup> form 6:30 p.m. to 9 p.m. Transportation will be provided to Banger's Sausage House & Beer Garden, 79 & 81 Rainey Street, Austin, Texas 78701, [www.bangersaustin.com](http://www.bangersaustin.com)

Sincerely,  
2017 Central Area Conference Chair



Robert Boswell



# Hotel Map

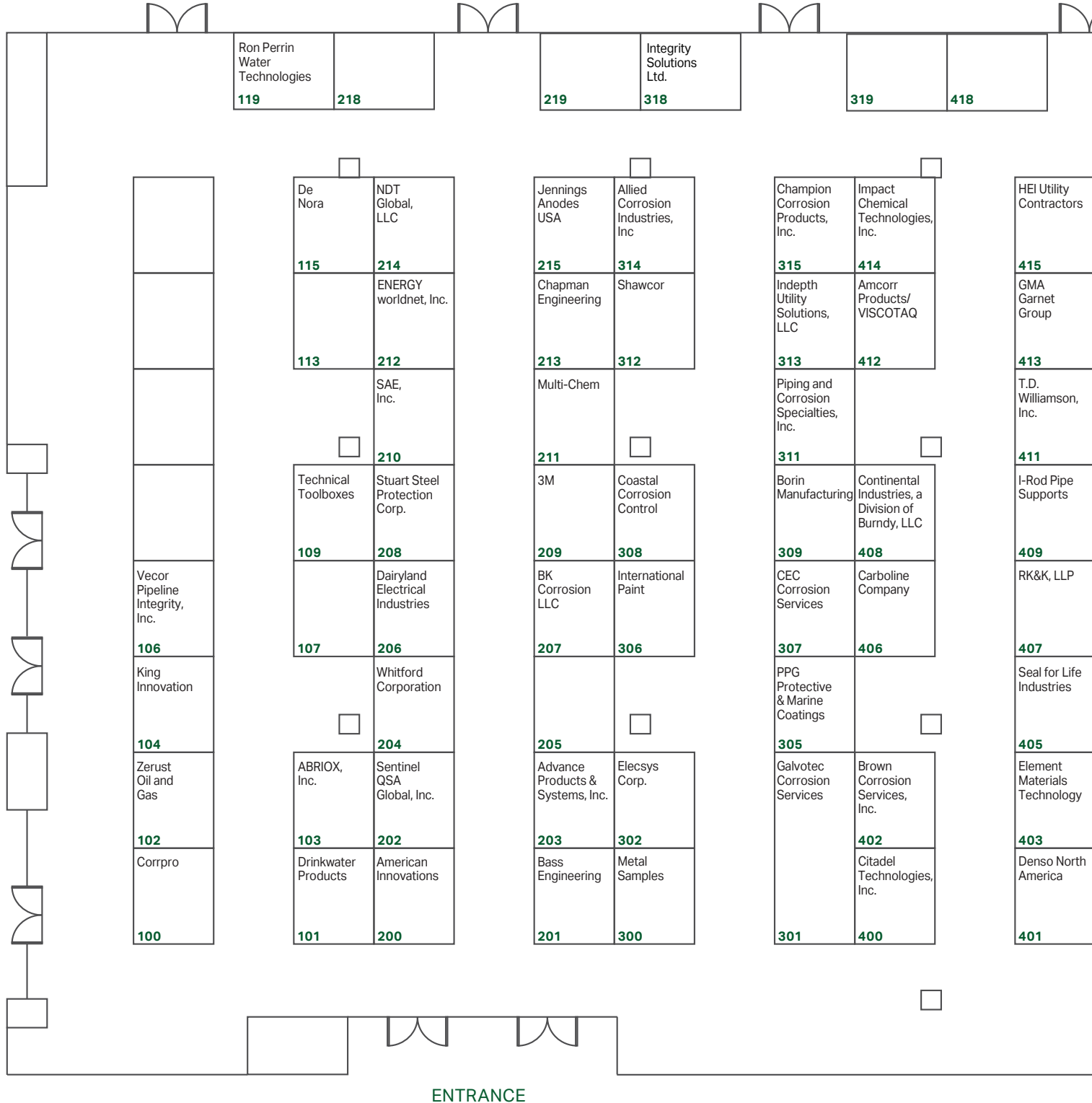
JW Marriott Austin

Griffin Hall - Level 2

NACE Central Area Conference Exhibit Hall



# 2017 Floor Plan





EIU Inc.  
419

Green Equipment Company <b>514</b>	RockGuard <b>515</b>	Sunland / DHB Services <b>614</b>							
Pipeline Control & Services <b>512</b>	JA Electronics <b>513</b>		MATCOR, Inc. <b>613</b>	Stanton Cathodic Survey & Data Collection, Inc. <b>712</b>					
Loresco International <b>510</b>		Mobiltex Technologies, Inc. <b>610</b>		EN Engineering, LLC <b>710</b>					
Tinker & Rasor <b>508</b>	Mercer Technical Services <b>509</b>	Enduro Pipeline Services	Shafer Kline & Warren, Inc. <b>609</b>	Elcometer <b>708</b>	Allan Edwards Inc. <b>709</b>	ClampOn <b>808</b>			
OmniMetrix, LLC <b>506</b>	Mears Group Inc <b>507</b>			Polyguard Products, Inc. <b>706</b>	Cathodic Protection Management, Inc. <b>707</b>	Qnergy <b>806</b>			
Specialty Polymer Coatings Inc <b>504</b>		Sentry Equipment Corp. <b>604</b>		KTA-Tator Inc <b>704</b>	Dixie Testing & Products, Inc. <b>705</b>				
Farwest Corrosion Control Company <b>502</b>	Cosasco <b>503</b>	Energy Economics Inc. <b>602</b>	HoldTight Solutions Inc <b>603</b>	C&S Lease Service, LC <b>702</b>	Pond & Company <b>703</b>	The Dale Company <b>802</b>			
BGL Asset Services LLC <b>500</b>	Trenton Corp. <b>501</b>	IRT Integrated Rectifier Technologies, Inc. <b>600</b>	Cathodic Technology, Ltd. <b>601</b>	North American Survey Corp. <b>700</b>	Kantex Industries <b>701</b>	MESA <b>800</b>			

## Exhibitors/Booth Numbers

### ● 2017 Sponsors

- 3M** Booth 209
- Abriox** Booth 103
- Advanced Products & Systems** Booth 203
- Allan Edwards, Inc.** Booth 709
- Allied Corrosion Industries** Booth 314
- AMCORR Products / VISCOTAQ** Booth 412
- **American Innovations** Booth 200
- Bass Engineering** Booth 201
- BGL Asset Services, LLC** Booth 500
- Borin Manufacturing, Inc.** Booth 309
- **BK Corrosion, LLC** Booth 207
- Brown Corrosion Services** Booth 402
- C&S Lease Service, LC** Booth 702
- **Carboline** Booth 406
- Cathodic Technology Ltd.** Booth 601
- Cathodic Protection Management** Booth 707
- CEC Corrosion Services** Booth 307
- **Champion Corrosion Products** Booth 315
- Chapman Engineering** Booth 213
- Citadel Technologies** Booth 400
- ClampOn, Inc.** Booth 808
- Coastal Corrosion Control** Booth 308
- Continental Industries, a Division of Burndy, LLC** Booth 408
- **Corrpro** Booth 100
- corTalk by Mobiltex** Booth 610
- Cosasco** Booth 503
- Dairyland Electrical Industries** Booth 206
- Dale Fastener Supply** Booth 802
- De Nora Tech** Booth 115
- **Denso North America** Booth 401
- Dixie Testing & Products, Inc.** Booth 705
- Drinkwater Products** Booth 101
- EIU, Inc.** Booth 419
- Elcometer** Booth 708
- Elecsys Corporation** Booth 302
- Element Materials Technology** Booth 403
- EN Engineering** Booth 710
- Enduro Pipeline Services, Inc.** Booth 606
- Energy Economics, Inc.** Booth 602
- ENERGY worldnet, Inc.** Booth 212
- Farwest Corrosion Control** Booth 502
- Galvotec Corrosion Services** Booth 301
- General Corrosion Corporation** Booth 803
- GMA Garnet USA** Booth 413
- Green Equipment Company** Booth 514
- HEI Utility Contractors** Booth 415
- **Holdtight Soutions, Inc.** Booth 603
- Impact Chemical Technologies, Inc.** Booth 414
- Indepth Utility Solutions, LLC** Booth 313
- Integrity Solutions, Ltd.** Booth 318
- **International Paint, LLC** Booth 306
- I-Rod Pipe Supports** Booth 409
- **IRT Integrated Rectifier Technologies, Inc.** Booth 600
- JA Electronics Mfg. Co.** Booth 513



- Jennings Anodes USA** Booth 215
- Kantex Industries** Booth 701
- King Innovation** Booth 104
- KTA - Tator, Inc.** Booth 704
- Loresco** Booth 510
- Matcor, Inc.** Booth 613
- **Mears Group** Booth 507
- Mercer Technical Services** Booth 509
- **MESA** Booth 800
- Metal Samples** Booth 300
- Multi-Chem, a Halliburton Service** Booth 211
- **NDT Global** Booth 214
- North American Survey Corp.** Booth 700
- OmniMetrix** Booth 506
- Park Derochie** Booth 801
- Pipeline Control & Services** Booth 512
- Piping and Corrosion Specialties, Inc.** Booth 311
- **Polyguard Products Inc** Booth 706
- Pond & Company** Booth 703
- PPG P&MC** Booth 305
- Qnergy** Booth 806
- RK&K** Booth 407
- Rockguard** Booth 515
- Ron Perrin Water Technologies** Booth 119
- **SAE, Inc.** Booth 210
- Seal For Life** Booth 405
- Sentinel QSA Global, Inc.** Booth 202
- Sentry Equipment Corp.** Booth 604
- Shafer, Kline & Warren, Inc.** Booth 609
- Shawcor** Booth 312
- **Specialty Polymer Coatings** Booth 504
- Stanton Cathodic Survey** Booth 712
- Stuart Steel Protection Corp.** Booth 208
- Sunland/DHB Services** Booth 614
- TD Williamson** Booth 411
- Technical Toolboxes** Booth 109
- Tinker & Rasor** Booth 508
- Trenton Corp.** Booth 501
- Vecor Pipeline Integrity, Inc.** Booth 106
- Whitford Corporation** Booth 204
- Zerust Oil & Gas** Booth 102

# Technical Program

MONDAY, AUGUST 7, 2017			
	Pipeline Track <i>Room: 201 - 202</i>	Oil & Gas Track <i>Room: 203 - 204</i>	Infrastructure Track <i>Room: Brazos</i>
1:00 - 1:45	<b>Extended Internal Corrosion in Pipelines: Special Requirements for Inline Inspection and Integrity Assessment</b> Presented by: Bernardo Cuervo, NDT Global	<b>Spread of Corrosion Assessment on FEF Insulation Systems in a Continuous Sat-Water Spray Environment</b> Presented by: Luis Mario Rodriguez, Armacell Engineered Systems, Ltd.	<b>Corrosion Mitigation on Coal Handling Unit</b> Presented by: Dadi Soemantri, OGE Energy Corp
1:45 - 2:30	<b>Engineering Analysis of Strain at Dent Indications from Inline Inspection Data</b> Presented by: Dirk van Oostendorp, Penspen Corp. Alejandro Ruiz, Penspen Corp.		<b>Accelerated Corrosion Testing...Real World Indicator, or Futility and Folly?</b> Presented by: Kat Coronado, International Paint Carl Reed, GPI
2:30 - 3:00	<b>Refreshment Break - Exhibit Hall - Sponsored by MESA</b>		
3:00 - 3:40	<b>Approaches to Address the "Mega Rule"</b> Presented by: David Wint, Audubon Field Solutions	<b>The Development of Steel Surface Preparation Technology</b> Presented by: Ken Rossy, HoldTight Solutions	<b>The Case Against Galvanized Piping in Domestic Water Systems</b> Presented by: Catherine Noble, M&M Engineering Associates
3:40 - 4:20	<b>Pipeline Casings</b> Presented by: Eric Langelund, Piping and Corrosion Specialties, Inc.	<b>Corrosion and Galling Resistance provided by Nickel-Cobalt Electroplating on Carbon Steel Fasteners</b> Presented by: Omar Rosas-Camacho, Doxsteel, LLC Oscar Garcia, Doxsteel, LLC	<b>Evaluating Protective Coatings for Use in Wastewater Structures</b> Presented by: Pat Barry, Barry Group
4:20 - 5:00	<b>CP Criteria and IR Drop; What's The Problem?</b> Presented by: Clay Brelsford, Bass Engineering		<b>Panel Discussion: Focus on the Nation's Deteriorating Water/Wastewater Infrastructure</b> Presented by: NACE Water/Wastewater Council
5:00 - 7:00	<b>Opening Reception - Exhibit Hall - Sponsored by Mears Group, Inc.</b>		
TUESDAY, AUGUST 8, 2017			
	Pipeline Track <i>Room: 201 - 202</i>	Oil & Gas Track <i>Room: 203 - 204</i>	Infrastructure Track <i>Room: Brazos</i>
8:00 - 8:45	<b>Case study: Corrosion mitigation of oil transmission pipeline with a Multi-phase flow</b> Presented by: Mohamed Samir, SUCO & DEA JV	<b>Vapor Corrosion Inhibitors (VCIs) for AST's</b> Presented by: Kelly Baker, Zerust Oil and Gas	<b>Two-coat Polyaspartic Urethane Coatings Protect Virginia Steel Bridge Structures for Over a Decade</b> Presented by: Ahren Olson and Todd Williams, Covestro LLC
8:45 - 9:30	<b>Deep Anode System – Designing for system success</b> Presented by: Ted Huck, MATCOR, Inc.	<b>Cathodic Protection for Water Wetted Interiors of Tanks and Vessels</b> Presented by: Jarret Brelsford, Bass Engineering	<b>Challenges of Field Metalizing for a TXDOT Bridge SH87 in Port Arthur</b> Presented by: Gregory Richards, KTA Tator Johnnie Miller, TxDOT
9:30 - 10:00	<b>Refreshment Break - Exhibit Hall - Sponsored by MESA</b>		
10:00 - 10:45	<b>Assessment of Multi Pitted Areas</b> Presented by: Joseph Pikas, Technical Toolboxes, Inc.	<b>Advances in Coatings and Linings Technology For Tanks</b> Presented by: Chris McMillan, AkzoNobel Larry Haack, AkzoNobel Jason Weber, AkzoNobel	<b>Successful Preservation Practices for Steel Bridge Coatings</b> Presented by: Tom Schwerdt, TxDOT

10:45 - 11:30	<b>Lessons Learned - Hard Spots - Failure</b> Presented by: Nigel Strike, Boardwalk Pipeline, MLP	<b>Cathodic Protection Trends for Above Ground Storage Tanks</b> Presented by: Vince Reda, MATCOR, Inc.	<b>Panel Discussion: Best Practices for Preventing and Repairing Corrosion of Bridge Structures</b> Presented by: Thomas Schwerdt, TxDOT Construction Division Gregory Richards, KTA Tator Johnnie Miller, TxDOT Construction Division Leon Flournoy, TxDOT Bridge Division
<b>11:30 - 1:00 Lunch - Exhibit Hall - Sponsored by American Innovations</b>			
1:00 - 1:40	<b>Direct Examination of Aging Pipelines</b> Presented by: Ernest Klechka, CITGO Petroleum Corp.	<b>VCI's and Their Use in Pipeline Casings</b> Presented by: Tom Mollica, III, Piping & Corrosion Specialties, Inc.	<b>Microbes: The "Un"usual suspects - The Case of Leo Frigo Memorial Bridge Failure</b> Presented by: Ali Abu-Yosef, Pivot Engineers
1:40 - 2:20	<b>Bonding Dilemmas in Pipeline Facilities</b> Presented by: Michael Tachick, Dairyland Electrical Industries	<b>Maintaining Asset Integrity and Corrosion Management in Current Economic Environments in Oil and Gas Production</b> Presented by: Dr. Khlefa Esaklul, Occidental Petroleum Corporation	<b>Galvanized Steel Communication Tower Corrosion Risk Assessment and Corrosion Mitigation</b> Presented by: Dr. Mehrooz Zee, Exova
<b>2:20 - 2:45 Refreshment Break - Exhibit Hall - Sponsored by MESA</b>			
2:45 - 3:30	<b>ACVG or DCVG - Does it Matter? Absolutely it Does.</b> Presented by: Jim Walton, Mears Group	<b>Above Ground Storage Tank Bottom CP - Lessons Learned over the Years and What we are doing Today</b> Presented by: Jeffrey Didas, MATCOR, Inc.	<b>Corrosion Assessment of Cellular Tower Guy Anchorages</b> Presented by: Blake Andrews, Wiss, Janney, Elstner Associates, Inc. Chris MacCay, American Tower Corporation
3:30 - 4:15	<b>DC Stray Current Interference Fundamentals, Testing and Data Interpretation</b> Presented by: Charles Hall, MESA	<b>Mitigation of Corrosion in a Highly Sour Gas Condensate Field</b> Presented by: David Orta, Schlumberger Alyn Jenkins, Schlumberger Jody Hoshowski, Schlumberger	<b>Panel Discussion: Corrosion of Buried Galvanized Steel</b> Presented by: Dr. Mehrooz Zee, Exova Blake Andrews, Wiss, Janney, Elstner Association Chris MacCay, American Tower Corporation Dr. Thomas Langill, American Galvanizer's Association
4:15 - 5:00	<b>NACE A Year in Review and What's to Come?</b> Presented by: Jeff Didas Room: 203-204		
<b>5:00 - 6:00 Exhibit Hall Happy Hour - Sponsored by Carboline</b>			
<b>6:30 - 9:00 Social Event at Bangers (Transportation Provided) - Sponsored by SAE, Polyguard Products Inc, and Anotec</b>			
<b>WEDNESDAY, AUGUST 9, 2017</b>			
	<b>Pipeline Track</b> <i>Room: 201 - 202</i>	<b>Oil &amp; Gas Track</b> <i>Room: 203 - 204</i>	<b>Infrastructure Track</b> <i>Room: Brazos</i>
8:00 - 8:40	<b>Remote Monitoring Applications and Technologies</b> Presented by: Jamey Hilleary, Elecsys Corp.	<b>Evaluating CUI in Corrosion Prone Environments</b> Presented by: Larry Johns, Johns Manville Industrial Insulation Group	<b>Impressed Current Cathodic Protection (ICCP)</b> Presented by: Chris Jennings, Specialist Castings, Ltd
8:40 - 9:20	<b>Long-range microwave detection of wet insulation &amp; corrosion products for CUI mitigation</b> Presented by: John Beauregard, ClampOn Inc.		<b>Using Galvanic Cathodic Protection to Repair and Protect Severely Corroded Structures</b> Presented by: Chris Ball, Vector Corrosion Services
<b>9:20 - 9:50 Refreshment Break - Exhibit Hall - Sponsored by MESA</b>			
9:50 - 10:30	<b>Data Capture Fundamentals for Atmospheric Corrosion Departments</b> Presented by: Jim O'Connor, American Innovations	<b>Premature Failure of Structures and Vessels Due To Soluble Salt Contamination</b> Presented by: Norman Petticrew, CHLOR RID International, Inc.	
10:30 - 11:30	<b>NACE Update: Certifications and Exam Updates</b> Presented by: Michelle Simpson, NACE International Room: 203-204		



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