

Click on Meeting Name to Add to Itinerary

## Other Meetings

Time	Name	Description	Committee(s)	Location	Location Detail
Friday, 8 a.m. to 5 p.m.	<a href="#">NACE Foundation Board of Directors</a>			Sheraton Phoenix Downtown	Astraya
Sunday, 8 a.m. to 5 p.m.	<a href="#">Limited Edition NACE 75th Anniversary T-Shirt Size Small</a>	Limited Edition NACE 75th Anniversary T-Shirt: Order Before March 1st, 2018 to receive the special pre-order price of \$18. After March 1st, 2018 Price of \$22. Tickets can be redeemed for T-Shirts in the NACE Book store.		Phoenix Convention Center	
Sunday, 8 a.m. to 5 p.m.	<a href="#">Limited Edition NACE 75th Anniversary T-Shirt Size Medium</a>	Limited Edition NACE 75th Anniversary T-Shirt: Order Before March 1st, 2018 to receive the special pre-order price of \$18. After March 1st, 2018 Price of \$22. Tickets can be redeemed for T-Shirts in the NACE Book store.		Phoenix Convention Center	
Sunday, 8 a.m. to 5 p.m.	<a href="#">Limited Edition NACE 75th Anniversary T-Shirt Size Large</a>	Limited Edition NACE 75th Anniversary T-Shirt: Order Before March 1st, 2018 to receive the special pre-order price of \$18. After March 1st, 2018 Price of \$22. Tickets can be redeemed for T-Shirts in the NACE Book store.		Phoenix Convention Center	
Sunday, 8 a.m. to 5 p.m.	<a href="#">Limited Edition NACE 75th Anniversary T-Shirt Size Extra Large</a>	Limited Edition NACE 75th Anniversary T-Shirt: Order Before March 1st, 2018 to receive the special pre-order price of \$18. After March 1st, 2018 Price of \$22. Tickets can be redeemed for T-Shirts in the NACE Book store.		Phoenix Convention Center	

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Sunday, 8 a.m. to 5 p.m.	<a href="#">Limited Edition NACE 75th Anniversary T-Shirt Size 2XL</a>	Limited Edition NACE 75th Anniversary T-Shirt: Order Before March 1st, 2018 to receive the special pre-order price of \$18. After March 1st, 2018 Price of \$22. Tickets can be redeemed for T-Shirts in the NACE Book store.	Phoenix Convention Center	
Sunday, 11 :30a.m. to 4 p.m.	<a href="#">Western Area Board of Trustees</a>		Phoenix Convention Center	Room 226 A
Sunday, 2 p.m. to 5 p.m.	<a href="#">Guest Reception</a>		Sheraton Phoenix Downtown	Oculus
Sunday, 3 :30p.m. to 4 :30p.m.	<a href="#">Ad Hoc 44</a>		Phoenix Convention Center	Room 121 C
Monday, 7 a.m. to 8 :30a.m.	<a href="#">Speaker Breakfast Monday</a>		Phoenix Convention Center	Room 120 A
Monday, 8 a.m. to 9 a.m.	<a href="#">Plenary Lecture</a>		Phoenix Convention Center	Room 121 A-C
Monday, 8 a.m. to 9 :30a.m.	<a href="#">Guest Breakfast Monday</a>		Sheraton Phoenix Downtown	Oculus

Monday, 11 :30a.m. to 1 :30p.m.	<a href="#"><u>Women in Corrosion Luncheon</u></a>	<p>Back by popular demand, the Women in Corrosion Luncheon returns in 2018 with renowned keynote speakers from the NACE community. This is an opportunity to:</p> <ul style="list-style-type: none"> <li>•Enrich your professional development</li> <li>•Network with professional peers</li> <li>•Seek advice from women in the corrosion industry</li> <li>•Hear industry professionals discuss the career paths that have led them to leadership roles.</li> </ul> <p>If you're seeking to boost your success in the workplace, add the Women in Corrosion Luncheon to your conference itinerary.</p> <p>Individual tickets are \$20, including lunch. Limited seats available. Register for the Women in Corrosion Luncheon during the online registration process at <a href="http://www.nacecorrosion.org">www.nacecorrosion.org</a>.</p>	Phoenix Convention Center	Room 120 A
Monday, 1 p.m. to 2 p.m.	<a href="#"><u>NACE U Student Meeting</u></a>		Phoenix Convention Center	Room 129
Monday, 1 p.m. to 5 p.m.	<a href="#"><u>Education Strategic Planning</u></a>		Phoenix Convention Center	Room 222 A
Tuesday, 7 a.m. to 8 :30a.m.	<a href="#"><u>Speaker Breakfast Tuesday</u></a>		Phoenix Convention Center	Room 120 A
Tuesday, 7 a.m. to 9 a.m.	<a href="#"><u>Fellow's Breakfast</u></a>		Phoenix Convention Center	Room 103
Tuesday, 8 a.m. to 9 a.m.	<a href="#"><u>Keynote</u></a>		Phoenix Convention Center	Room 120 B-D
Tuesday, 8 a.m. to 9 :30a.m.	<a href="#"><u>Guest Breakfast Tuesday</u></a>		Sheraton Phoenix Downtown	Oculus
Tuesday, 8 a.m. to 5 p.m.	<a href="#"><u>Headshot Station and Career Fair</u></a>		Phoenix Convention Center	Exhibit Hall
Wednesday, 8 a.m. to 9 :30a.m.	<a href="#"><u>Guest Breakfast Wednesday</u></a>		Sheraton Phoenix Downtown	Oculus

Wednesday, 11 a.m. to 1 p.m.	<a href="#">NACE Arizona Section</a>	Sheraton Phoenix Downtown	Ahwatukee
Wednesday, 11:15 a.m. to 11:45 a.m.	<a href="#">Speller Lecture</a>	Phoenix Convention Center	Room 101
Wednesday, 11:30 a.m. to 1 p.m.	<a href="#">TCC Officer Training</a>	Phoenix Convention Center	Room 104
Wednesday, 1 p.m. to 4 p.m.	<a href="#">NIICAP Oversight Board</a>	Phoenix Convention Center	Room 122 A
Wednesday, 6 p.m. to 10 p.m.	<a href="#">Awards Banquet</a>	Sheraton Phoenix Downtown	Valley of the Sun
Thursday, 7 a.m. to 8:30 a.m.	<a href="#">Speaker Breakfast Thursday</a>	Phoenix Convention Center	Room 120 A
Friday, 8 a.m. to 2 p.m.	<a href="#">Nominating Committee</a>	Sheraton Phoenix Downtown	

### Central Area Board of Trustees CENTRAL BOT

Time	Name	Description	Committee(s)	Location	Location Detail
Monday, 9 a.m. to 12 a.m.	<a href="#">Central Area Board of Trustees</a>		CENTRAL BOT	Phoenix Convention Center	Room 126 A

### East Asia & Pacific Rim Area Board of Trustees E ASIA BOT

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 1 p.m. to 4 p.m.	<a href="#">East Asia &amp; Pacific Area Board of Trustees</a>		E ASIA BOT	Phoenix Convention Center	Room 127 A

### Eastern Area Board of Trustees EASTERN BOT

Time	Name	Description	Committee(s)	Location	Location Detail
Monday, 9 a.m. to 5 p.m.	<a href="#">Eastern Area Board of Trustees</a>		EASTERN BOT	Phoenix Convention Center	Room 231

### Education Committee EC

Time	Name	Description	Committee(s)	Location	Location Detail
Monday, 1 p.m. to 3 p.m.	<a href="#">Education Committee</a>		EC	Phoenix Convention Center	Room 222 A

### Latin American Area Board of Trustees LAMERICAN BOT

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday,12 a.m. to 5 p.m.	<a href="#">Latin America Area Board of Trustees</a>		LAMERICAN BOT	Phoenix Convention Center	Room 126 A

### NACE Foundation Mini- Camp MINI CAMP

Time	Name	Description	Committee(s)	Location	Location Detail
Wednesday,8 a.m. to 4 p.m.	<a href="#">Foundation Mini-Camp CORROSION: Opportunities Realized</a>		MINI CAMP	Phoenix Convention Center	Room 232

### Section Officer Meeting SEC OFC

Time	Name	Description	Committee(s)	Location	Location Detail
Wednesday,10 a.m. to 12 a.m.	<a href="#">Section Officers</a>		SEC OFC	Phoenix Convention Center	Room 231

### Technical Coordination Committee (TCC) TCC ALL

Time	Name	Description	Committee(s)	Location	Location Detail
Wednesday,11 :30a.m. to 1 p.m.	<a href="#">TCC Coordinator Training</a>		TCC ALL	Phoenix Convention Center	Room 226 A

### TCC Session 1 TCC01

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday,9 a.m. to 10 a.m.	<a href="#">TCC 101 Session I</a>		TCC01	Phoenix Convention Center	Room 231

### TCC Session 2 TCC2

Time	Name	Description	Committee(s)	Location	Location Detail
Monday,9 a.m. to 10 a.m.	<a href="#">TCC 101 Session II</a>		TCC2	Phoenix Convention Center	Room 129

## Administrative Meetings

Time	Name	Description	Committee(s)	Location	Location Detail
Friday,11 :30a.m. to 5 p.m.	<a href="#">Executive Committee and Board Orientation</a>			Sheraton Phoenix Downtown	Aracadia

Saturday, 8 a.m. to 5 p.m.	<a href="#">Board of Directors</a>	Sheraton Phoenix Downtown	Maryvale
Sunday, 1 p.m. to 5 p.m.	<a href="#">African Corrosion Professionals</a>	Phoenix Convention Center	Room 130
Sunday, 4 :30p.m. to 5 p.m.	<a href="#">General Membership Meeting</a>	Phoenix Convention Center	Room 101
Monday, 10 a.m. to 11 :30a.m.	<a href="#">Student Poster Orientation</a>	Phoenix Convention Center	Room 129
Monday, 10 a.m. to 1 p.m.	<a href="#">Past Presidents Council</a>	Sheraton Phoenix Downtown	North Mountain
Monday, 11 :30a.m. to 1 :30p.m.	<a href="#">CORROSION Journal Editorial Board</a>	Phoenix Convention Center	Room 223
Monday, 1 :30p.m. to 5 :30p.m.	<a href="#">Policy Committee</a>	Sheraton Phoenix Downtown	North Mountain
Thursday, 8 a.m. to 12 a.m.	<a href="#">Research Committee</a>	Phoenix Convention Center	Room 231

### Area Coordination Committee ACC

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 8 a.m. to 11 a.m.	<a href="#">Area Coordination Committee</a>		ACC	Phoenix Convention Center	Room 126 A

### ACPC Session 2 ACPC2

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 9 a.m. to 11 a.m.	<a href="#">ACPC Session I</a>		ACPC2	Phoenix Convention Center	Room 223
Wednesday, 9 a.m. to 11 a.m.	<a href="#">ACPC Session II</a>		ACPC2	Phoenix Convention Center	Room 104

### Awards Committee AWARDS

Time	Name	Description	Committee(s)	Location	Location Detail
Monday, 9 a.m. to 12 a.m.	<a href="#">Awards Committee</a>		AWARDS	Phoenix Convention Center	Room 226 A

### Publications Activities Committee CBC35

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 1 p.m. to 4 p.m.	<a href="#">Publications Activities Committee</a>		CBC35	Phoenix Convention Center	Room 104

### MP Editorial Advisory Board MP EDIT

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 10 a.m. to 12 a.m.	<a href="#">MP Editorial Board</a>		MP EDIT	Phoenix Convention Center	Room 104

### NACE Institute Policy and Practices Committee NII002

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 3 p.m. to 5 p.m.	<a href="#">NII Policy and Practices Committee</a>		NII002	Phoenix Convention Center	Room 223

### TCC Operations Committee OPR CMT

Time	Name	Description	Committee(s)	Location	Location Detail
Monday, 1 p.m. to 5 p.m.	<a href="#">TCC Operations</a>		OPR CMT	Phoenix Convention Center	Room 104

### TCC Planning Committee PLN CMT

Time	Name	Description	Committee(s)	Location	Location Detail
Tuesday, 9 a.m. to 1 p.m.	<a href="#">TCC Planning</a>		PLN CMT	Phoenix Convention Center	Room 226 A

### Public Policy and Outreach Committee PPOC

Time	Name	Description	Committee(s)	Location	Location Detail
Wednesday, 1 p.m. to 3 p.m.	<a href="#">Public Policy &amp; Outreach Committee</a>		PPOC	Phoenix Convention Center	Room 127 A

### TCC Reference Publications Committee (RPC) RPC

Time	Name	Description	Committee(s)	Location	Location Detail
Wednesday, 2 p.m. to 4 p.m.	<a href="#">TCC Reference Publications Committee (RPC)</a>		RPC	Phoenix Convention Center	Room 104

### TCC Session 1 TCC01

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday,1 :30p.m. to 4 :30p.m.	<a href="#">TCC Session I</a>		TCC01	Phoenix Convention Center	Room 231

### TCC Session 2 TCC2

Time	Name	Description	Committee(s)	Location	Location Detail
Thursday,12 a.m. to 2 p.m.	<a href="#">TCC Session II</a>		TCC2	Phoenix Convention Center	Room 130

### Technical and Research Activities Committee (TRAC) TRAC

Time	Name	Description	Committee(s)	Location	Location Detail
Thursday,2 :30p.m. to 4 :30p.m.	<a href="#">TRAC</a>		TRAC	Phoenix Convention Center	Room 130

## Networking Meetings



Time	Name	Description	Committee(s)	Location	Location Detail
Saturday, 7 a.m. to 9 p.m.	<a href="#">Saturday Guest Tour: The Grand Canyon</a>	<p>Sit back, relax and get ready to enjoy a fun and informative 14 hour tour to the Grand Canyon, including stops in Sedona and the Navajo Reservation. There will be brief stops to view the famous Red Rocks of Sedona before a spectacular scenic drive through Oak Creek Canyon. Enjoy a delicious lunch, on your own, at the Cameron Trading Post on the Navajo Reservation overlooking the Little Colorado River Gorge before heading into Grand Canyon National Park. Time allows to walk around the rim and take some spectacular pictures. Your last stop will include time to shop and view the canyon one last time from the historic El Tovar Hotel. Your return trip includes a 30 minute rest stop so you can grab a quick bite before returning to your hotel. Don't miss this once in a lifetime Grand Canyon Experience!</p> <p>Price includes: Entrance Fees, Guide Service, transportation, bottled water</p>		Sheraton Phoenix Downtown	
Sunday, 8 a.m. to 11 a.m.	<a href="#">NACE Foundation - C18 NACE Race Individual Entry</a>	<p>Individual entry for the 23rd Annual NACE Race is \$20 USD, and includes official race t-shirt and post-race refreshments. Participants will meet at convention center to ride shuttle to park.</p> <p>Location TBD</p>		Phoenix Convention Center	
Sunday, 8 :30a.m. to 3 p.m.	<a href="#">NACE Foundation - C18 Golf Tournament Early Corporate Package</a>	<p>Join us at TPC Scottsdale for the Darrel D. Byerley Memorial Golf Tournament to kick off CORROSION 2018 in Phoenix. Corporate Package includes a foursome and Hole Sponsor recognition.</p>		TPC Scottsdale	

Sunday,8 :30a.m. to 3 p.m.	<a href="#">NACE Foundation - C18 Golf Tournament Corporate Package</a>	Join us at TPC Scottsdale for the Darrel D. Byerley Memorial Golf Tournament to kick off CORROSION 2018 in Phoenix. Corporate Package includes a foursome and Hole Sponsor recognition.	TPC Scottsdale
Sunday,8 :30a.m. to 3 p.m.	<a href="#">NACE Foundation - C18 Golf Tournament Early Corporate Team</a>	Join us at TPC Scottsdale for the Darrel D. Byerley Memorial Golf Tournament to kick off CORROSION 2018 in Phoenix. Corporate Team includes a foursome.	TPC Scottsdale
Sunday,8 :30a.m. to 3 p.m.	<a href="#">NACE Foundation - C18 Golf Tournament Corporate Team</a>	Join us at TPC Scottsdale for the Darrel D. Byerley Memorial Golf Tournament to kick off CORROSION 2018 in Phoenix. Corporate Team includes a foursome.	TPC Scottsdale
Sunday,8 :30a.m. to 3 p.m.	<a href="#">NACE Foundation - C18 Golf Tournament Individual Player</a>	Join us at TPC Scottsdale for the Darrel D. Byerley Memorial Golf Tournament to kick off CORROSION 2018 in Phoenix. Sign up as an individual player, and we will place you with a foursome.	TPC Scottsdale
Sunday,9 a.m. to 2 p.m.	<a href="#">NACE Foundation - C18 Clay Shoot Early Corporate Team</a>	Kick off your week at CORROSION with a bang, and join the NACE Foundation at our 4th annual Clays for a Cause sporting clays shoot! Corporate Team includes team of 4 shooters.	Ben Avery Clay Target Center
Sunday,9 a.m. to 2 p.m.	<a href="#">NACE Foundation - C18 Clay Shoot Corporate Team</a>	Kick off your week at CORROSION with a bang, and join the NACE Foundation at our Clays for a Cause sporting clays shoot! Corporate Team includes team of 4 shooters.	Ben Avery Clay Target Center
Sunday,9 a.m. to 2 p.m.	<a href="#">NACE Foundation - C18 Clay Shoot Early Corporate Package</a>	Kick off your week at CORROSION with a bang, and join the NACE Foundation at our Clays for a Cause sporting clays shoot! Corporate Package includes team of 4 shooters and Station Sponsor recognition.	Ben Avery Clay Target Center

Sunday, 9 a.m. to 2 p.m.

[NACE Foundation - C18 Clay Shoot Corporate Package](#)

Kick off your week at CORROSION with a bang, and join the NACE Foundation at our 4th annual Clays for a Cause sporting clays shoot! Corporate Package includes team of 4 shooters and Station Sponsor recognition.

Ben Avery Clay Target Center

Sunday, 9 a.m. to 2 p.m.

[NACE Foundation - C18 Clay Shoot Individual Entry](#)

Kick off your week at CORROSION with a bang, and join the NACE Foundation at our Clays for a Cause sporting clays shoot! Sign up as an individual shooter, and we will place you on a 4-person team.

Ben Avery Clay Target Center

Monday, 9 a.m. to 12 a.m.

[Monday Guest Tour: Desert Botanical Garden Discovery Tour](#)

Experience and embrace the magnificent beauty of the desert with a visit to the Desert Botanical Garden. Your 1 hour guided tour will focus on desert plant biology. You can explore the great diversity of form, texture and color found in this wondrous array of cacti and succulents from around the world. You will also learn how desert plants are uniquely adapted to survive and thrive in a harsh desert environment and people's interactions with desert plants. Learn the amazing ways people use desert plants for food, tools, and shelter. This tour features such plants as saguaros, agave, mesquite, prickly pear, and jojoba as you traverse through the highlights of this amazing collection. Additional time allowed to explore on your own.

Sheraton Phoenix Downtown

Price includes, Admission and guided tour, Guide Service, transportation, bottled water

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Monday, 1 p.m. to 5 p.m.

[Monday Guest Tour: Phoenix City](#)

Enjoy a guided tour of Phoenix and the surrounding area. You will learn the history of Phoenix and its founders. Next, Mummy Mountain rises 300 feet above the Valley and offers 180 degree panoramic views of the Valley of the Sun. You will have a chance to see some of Frank Lloyd Wright's famous homes, in addition to the State Capitol Museum and the quaint shops of Old Town Scottsdale. Your last stop will be at the Pueblo Grande Museum. Here you can see 1,500 year old Hohokam village ruins. What a day!

Price includes: Museum Fee, tax, Guide Service, Transportation and Bottled Water

Sheraton Phoenix Downtown

Monday, 7 :30p.m. to 11 :30p.m.

[30 Below - For Young Students & Professionals Under 30](#)

Valley Bar

Tuesday, 8 a.m. to 4 p.m.

[Tuesday Guest Tour: Apache Trail, Dolly Steamboat, Goldfield Ghost Town](#)

Your Apache Trail tour begins as you travel the same route as the early explorers of the Apache trail and into the rugged wilderness of the Tonto National Forest. First stop is Sonoran Desert Walk-The Superstition Mountains will serve as the backdrop for an easy and informative Sonoran Desert Walk. Over thirty different plants, desert birds and mammal species are encountered along this scenic trail. These desert inhabitants played an important role in the daily lives of the Native Americans of the Sonoran Desert. Next, we visit Tortilla Flat, originally a stage stop in 1094. It is now a remnant of an Old West town and home to six people. Here, you will learn the history of the Superstition Mountains, hear about the Lost Dutchman, and other gold legends. Your journey back in time continues as you board the double decks of Dolly Steamboat for a 90 minute narrated tour of Canyon Lake. Here, you will enjoy lunch on your own.

Sheraton Phoenix Downtown

Tuesday, 8 p.m. to 11 p.m.

[NACE Foundation - C18 GenNEXT Bash Early Individual Ticket](#)

The Van Buren

Tuesday, 8 p.m. to 11 p.m.

[NACE Foundation - C18 GenNEXT Bash Individual Ticket](#)

The Van Buren

Wednesday, 9 :30a.m. to 2 p.m.

[Wednesday Guest Tour:  
Odyssey Experience](#)

You are off to visit the largest aquarium in the southwest, housing over 30,000 animals. You are on your own to roam through all this amazing venue has to offer. It has nine massive globe-shaped aquariums suspended from the lobby ceiling and a submerged escalator, allowing visitors to descend deep into the ocean while surrounded by thousands of aquatic animals. After lunch, on your own, you will also have time to visit Butterfly Wonderland. Here, you will discover the amazing life of the butterfly, from caterpillar to chrysalis. Step inside the largest indoor rainforest conservatory in the United States. Butterfly Wonderland truly is one of the most amazing butterfly conservatories in the world.

Price includes: Admission to Odyssey Experience, Admission to Butterfly Wonderland, and Round-trip Transportation

Sheraton Phoenix Downtown

Wednesday, 2 p.m. to 5 p.m.

[Wednesday Guest Tour: Old  
Town Scottsdale Shopping](#)

Old Town Scottsdale is located on the original townsite of Scottsdale. This district offers boutique shopping alongside souvenirs, jewelry and art with a Southwestern flair. The Fifth Avenue arts district combines the ambience of old Scottsdale with some of the best restaurants and unique shops. There are over 80 specialty shops that offer an eclectic mix of goods. Combined with an array of dining options, this makes for a wonderful escape.

Price includes: Round-trip transportation, bottled water

Sheraton Phoenix Downtown

Wednesday, 6 p.m. to 10 p.m.

[Awards Banquet Table](#)

Sheraton Phoenix Downtown

Valley of the Sun

# Technical Committee Meetings

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 10 a.m. to 12 a.m.	<a href="#">State of the Art Report: Criteria for Corrosion Control of Steel in Concrete</a>			Phoenix Convention Center	Room 221 C
Sunday, 3 :30p.m. to 5 :30p.m.	<a href="#">The role of Corrosion Management in Materials Stewardship and Sustainability</a>			Phoenix Convention Center	Room 122 A
Sunday, 4 :30p.m. to 5 :30p.m.	<a href="#">MR0175/ISO 15156 Maintenance Agency</a>			Phoenix Convention Center	Room 124 A-B
Sunday, 7 p.m. to 10 p.m.	<a href="#">Chinese Society of Corrosion and Protection (CSCP) Dinner</a>			Sheraton Phoenix Downtown	Encanto
Tuesday, 1 p.m. to 5 p.m.	<a href="#">Chinese Society of Corrosion and Protection (CSCP) Seminar</a>			Phoenix Convention Center	Room 227 A

## Reinforced Concrete STG 01 - Reinforced Concrete

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 8 a.m. to 9 a.m.	<a href="#">Reinforced Concrete: Anode Test Procedures</a>		TG 045 [01](05)	Phoenix Convention Center	Room 221 C
Sunday, 9 a.m. to 10 a.m.	<a href="#">Inspection Methods for Corrosion Evaluation of Prestressed Concrete Structures</a>		TG 504 [01]	Phoenix Convention Center	Room 221 C
Sunday, 11 a.m. to 12 a.m.	<a href="#">Inspection Methods for Corrosion Evaluation of Conventionally Reinforced Concrete Structures</a>		TG 055 [01](62)	Phoenix Convention Center	Room 227 A
Sunday, 1 p.m. to 2 p.m.	<a href="#">Sacrificial Cathodic Protection of Reinforced Concrete Elements</a>		TG 557 [01](05)	Phoenix Convention Center	Room 221 C

Sunday, 2 p.m. to 3 p.m.	<a href="#">Test Procedure for Embeddable Impressed Current Anodes for Atmospherically Exposed Structures</a>	TG 472 [01](05)	Phoenix Convention Center	Room 221 C
Sunday, 3 p.m. to 4 p.m.	<a href="#">ICCP of Reinforcing Steel in Atmospherically Exposed Concrete Structures</a>	TG 044 [01](05)	Phoenix Convention Center	Room 102
Sunday, 3 p.m. to 4 p.m.	<a href="#">Cathodic Protection of Prestressed Concrete Elements</a>	TG 046 [01](05, 41)	Phoenix Convention Center	Room 221 C
Sunday, 3 p.m. to 5 p.m.	<a href="#">Reinforced Concrete: Maintenance and Rehabilitation Considerations for Existing Structures</a>	TG 324 [01]	Phoenix Convention Center	Room 227 A
Sunday, 4 p.m. to 5 p.m.	<a href="#">Testing and Evaluation of Corrosion on Steel-Framed Buildings</a>	TG 460 [01](02)	Phoenix Convention Center	Room 221 C
Tuesday, 1 p.m. to 2 p.m.	<a href="#">Reinforced Concrete: Corrosion-Resistant Reinforcement</a>	TG 057 [01](11)	Phoenix Convention Center	Room 102
Tuesday, 2 p.m. to 3 p.m.	<a href="#">Reinforced Concrete: Stray-Current-Induced Corrosion</a>	TG 356 [01](05)	Phoenix Convention Center	Room 102
Wednesday, 8 a.m. to 10 a.m.	<a href="#">Reinforced Concrete: Design, Evaluation, and Remediation</a>	TEG 053X [01]	Phoenix Convention Center	Room 159
Wednesday, 10 a.m. to 11 a.m.	<a href="#">Electrochemical Realkalization of Steel-Reinforced Concrete – A State of the Art Report”</a>	TG 556 [01]	Phoenix Convention Center	Room 159
Wednesday, 2 p.m. to 4 p.m.	<a href="#">Reinforced Concrete</a>	STG 01	Phoenix Convention Center	Room 226 A

## Coatings and Linings, Protective: Atmospheric STG 02 - Coatings and Linings, Protective: Atmospheric

Time	Name	Description	Committee(s)	Location	Location Detail
Monday, 9 a.m. to 11 a.m.	<a href="#">Review of NACE Standard TM 0304-2004</a>		TG 312 [02]	Phoenix Convention Center	Room 123



Monday,9 a.m. to 11 a.m.	<a href="#">Review of NACE Standard TM 0304-2004</a>	TG 260 [02](33)	Phoenix Convention Center	Room 123
Monday,10 a.m. to 12 a.m.	<a href="#">Determining True Insulative Value of Liquid Insulative Materials Applied on Steel Surfaces</a>	TG 525 [02]	Phoenix Convention Center	Room 150
Monday,11 a.m. to 12 a.m.	<a href="#">Threaded Fasteners: Coatings for Protection of Threaded Fasteners Used with Structural Steel, Pipin</a>	TG 148 [02]	Phoenix Convention Center	Room 121 C
Tuesday,10 a.m. to 12 a.m.	<a href="#">Hot-Dip Galvanizing for Steel Corrosion Protection</a>	TEG 428X [02](03, 04)	Phoenix Convention Center	Room 123
Thursday,9 a.m. to 10 :30a.m.	<a href="#">Coatings and Linings, Protective Atmospheric, immersion and Surface Preparation</a>	STG 02	Phoenix Convention Center	Room 121 C

## Coatings and Linings, Protective: Immersion and Buried Service STG 03 - Coatings and Linings, Protective: Immersion and Buried Service

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday,2 p.m. to 3 p.m.	<a href="#">Coating Conductance</a>		TG 030 [03](05, 35, 62)	Phoenix Convention Center	Room 121 C
Monday,9 a.m. to 11 a.m.	<a href="#">Review of NACE Standard TM 0304-2004</a>		TG 263 [03](33)	Phoenix Convention Center	Room 123
Monday,9 a.m. to 11 a.m.	<a href="#">Review of NACE Standard TM 0304-2004</a>		TG 264 [03](33)	Phoenix Convention Center	Room 123
Monday,11 a.m. to 12 a.m.	<a href="#">Field-Applied Fusion-Bonded Epoxy (FBE) Pipe Coating Systems for Girth Weld Joints</a>		TG 249 [03](04, 35)	Phoenix Convention Center	Room 123
Tuesday,10 a.m. to 12 a.m.	<a href="#">Sheet Rubber Linings for Abrasion and Corrosion Service</a>		TG 540 [03]	Phoenix Convention Center	Room 150
Tuesday,1 p.m. to 4 p.m.	<a href="#">Coating, Polyolefin Resin Systems: Review of NACE SP0185-2007</a>		TG 265 [03](04, 05, 35)	Phoenix Convention Center	Room 123

Wednesday, 3 p.m. to 5 p.m.	<a href="#">Standard Practice for Evaluating Protective Coatings for Use Under Insulation</a>	TG 516 [03](02, 04, 43)	Phoenix Convention Center	Room 121 C
Thursday, 9 a.m. to 10 :30a.m.	<a href="#">Coatings and Linings. Protective Atmospheric. immersion and Surface Preparation</a>	STG 03	Phoenix Convention Center	Room 121 C
Thursday, 10 :30a.m. to 12 a.m.	<a href="#">Advances in Coatings Under Insulation (CUI) Technologies</a>	TEG 351X [03](04)	Phoenix Convention Center	Room 127 A

### Coatings and Linings, Protective: Surface Preparation STG 04 - Coatings and Linings, Protective: Surface Preparation

Time	Name	Description	Committee(s)	Location	Location Detail
Tuesday, 1 p.m. to 2 p.m.	<a href="#">Soluble Salt Limits based on Service Environment</a>		TG 546 [04]	Phoenix Convention Center	Room 222 A
Thursday, 9 a.m. to 10 :30a.m.	<a href="#">Coatings and Linings. Protective Atmospheric. immersion and Surface Preparation</a>		STG 04	Phoenix Convention Center	Room 121 C

### Cathodic/Anodic Protection STG 05 - Cathodic/Anodic Protection

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 8 a.m. to 10 a.m.	<a href="#">Steel. Structural: Corrosion Control of Piling in Nonmarine Applications</a>		TG 018 [05](01, 03)	Phoenix Convention Center	Room 122 A
Sunday, 10 a.m. to 12 a.m.	<a href="#">Alternating Current (AC) Power Systems. Adjacent: Corrosion Control and Related Safety Procedures</a>		TG 025 [05](03, 35)	Phoenix Convention Center	Room 122 A
Sunday, 11 a.m. to 12 a.m.	<a href="#">Cathodic Protection Coupon Technology</a>		TG 210 [05](35)	Phoenix Convention Center	Room 122 B-C
Monday, 9 a.m. to 11 a.m.	<a href="#">Cathodic Protection</a>		TEG 179X [05]	Phoenix Convention Center	Room 101
Monday, 9 a.m. to 11 a.m.	<a href="#">ICCP of Internal Submerged Surfaces of Steel Water Storage Tanks</a>		TG 167 [05]	Phoenix Convention Center	Room 127 A

Monday, 9 a.m. to 11 a.m.	<a href="#">ICCP of Internal Submerged Surfaces of Steel Water Storage Tanks</a>	TG 284 [05](11, 35)	Phoenix Convention Center	Room 127 A
Thursday, 4 p.m. to 6 p.m.	<a href="#">Cathodic/Anodic Protection, Pipelines, Tanks, and Well Casings</a>	STG 05	Phoenix Convention Center	Room 121 A-C

### Cleaning, Chemical and Mechanical STG 06 - Cleaning, Chemical and Mechanical

Time	Name	Description	Committee(s)	Location	Location Detail
Wednesday, 9 a.m. to 12 a.m.	<a href="#">Cleaning: Chemical and Mechanical Cleaning</a>		TEG 188X [06]	Phoenix Convention Center	Room 221 C
Thursday, 11 a.m. to 12 a.m.	<a href="#">Cleaning, Chemical and Mechanical</a>		STG 06	Phoenix Convention Center	Room 122 A

### Nonmetallic Materials of Construction STG 10 - Nonmetallic Materials of Construction

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 8 a.m. to 12 a.m.	<a href="#">Corrosion Solutions for the Chemical Process Industry with Polymer Based Materials Session I</a>		TEG 191X [10](39)	Phoenix Convention Center	Room 230
Sunday, 1 p.m. to 5 p.m.	<a href="#">Corrosion Solutions for the Chemical Process Industry with Polymer Based Materials Session II</a>		TEG 191X [10](39)	Phoenix Convention Center	Room 230
Monday, 1 p.m. to 5 p.m.	<a href="#">Non-Metallic Materials Basic Education</a>		TEG 528X [10](33)	Phoenix Convention Center	Room 101
Wednesday, 1 p.m. to 5 p.m.	<a href="#">Nonmetallic Materials of Construction: Expert Panel Discussion</a>		TEG 239X [10](39)	Phoenix Convention Center	Room 126 B-C
Thursday, 10 a.m. to 12 a.m.	<a href="#">Nonmetallic Materials of Construction</a>		STG 10	Phoenix Convention Center	Room 230

## Water Treatment Systems STG 11 - Water Treatment Systems

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday,10 a.m. to 11 a.m.	<a href="#"><u>Standard Practice for Monitoring Cooling Water Systems</u></a>		TG 235 [11](46, 62)	Phoenix Convention Center	Room 130
Sunday,11 a.m. to 12 a.m.	<a href="#"><u>Cooling Water Equipment. Initial Conditioning</u></a>		TG 234 [11]	Phoenix Convention Center	Room 130
Monday,9 a.m. to 11 a.m.	<a href="#"><u>Control of Corrosion. Deposition, and Microbiological Growth in Recirculating Water Systems in Build</u></a>		TG 157 [11](61)	Phoenix Convention Center	Room 151
Monday,1 p.m. to 3 :30p.m.	<a href="#"><u>Recovery and Repassivation After Low pH Excursions in Open Recirculating Cooling Water Systems</u></a>		TG 375 [11]	Phoenix Convention Center	Room 221 C
Monday,1 p.m. to 4 p.m.	<a href="#"><u>Practical Applications of Water Treatment in Industrial and Commercial Systems</u></a>		TEG 503X [11]	Phoenix Convention Center	Room 150
Tuesday,1 p.m. to 3 p.m.	<a href="#"><u>Building Fire Protection Systems: Corrosion and Deposit Control</u></a>		TEG 159X [11]	Phoenix Convention Center	Room 225 A-B
Tuesday,3 p.m. to 5 p.m.	<a href="#"><u>Fire Protection Systems</u></a>		TG 381 [11]	Phoenix Convention Center	Room 225 A-B
Wednesday,8 :30a.m. to 9 :30a.m.	<a href="#"><u>Steam Generating Systems: Shut-Down/Lay-Up/Start-Up</u></a>		TG 160 [11]	Phoenix Convention Center	Room 230
Wednesday,9 a.m. to 12 a.m.	<a href="#"><u>Biocide Application/Misapplication</u></a>		TEG 149X [11]	Phoenix Convention Center	Room 121 C
Wednesday,1 p.m. to 4 p.m.	<a href="#"><u>Boiler Waterside Failure Analysis</u></a>		TEG 163X [11](62)	Phoenix Convention Center	Room 101
Thursday,4 p.m. to 6 p.m.	<a href="#"><u>Water Treatment Systems</u></a>		STG 11	Phoenix Convention Center	Room 126 B-C

## Oil and Gas Production—Cathodic Protection STG 30 - Oil and Gas Production —Cathodic Protection

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday,9 :30a.m. to 12 a.m.	<a href="#">Cathodic Protection in Seawater—Discussion of Current Topics</a>		TEG 166X [30]	Phoenix Convention Center	Room 102
Sunday,1 p.m. to 2 :30p.m.	<a href="#">Petroleum, Petrochemical, and Natural Gas Industries—Cathodic Protection of Pipeline Transportation</a>		TG 169 [30](05, 35)	Phoenix Convention Center	Room 102
Sunday,2 p.m. to 4 p.m.	<a href="#">Corrosion Control of Submerged Areas of Offshore Steel Structures</a>		TG 170 [30](05)	Phoenix Convention Center	Room 102
Wednesday,4 p.m. to 5 p.m.	<a href="#">Oil and Gas Production—Cathodic Protection</a>		STG 30	Phoenix Convention Center	Room 222 A

## Oil and Gas Production—Corrosion and Scale Inhibition STG 31 - Oil and Gas Production—Corrosion and Scale Inhibition

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday,8 a.m. to 12 a.m.	<a href="#">Oil and Gas Production, Oil Sands: Information Exchange</a>		TEG 341X [31](11, 33, 34)	Phoenix Convention Center	Room 231
Sunday,1 p.m. to 2 p.m.	<a href="#">Oil and Gas Production, Corrosion Inhibitors—Laboratory Evaluations: Information Exchange</a>		TEG 253X [31](62)	Phoenix Convention Center	Room 123
Sunday,4 p.m. to 5 :30p.m.	<a href="#">Summary of Knowledge and Experience on Internal Corrosion of Pipeline Under Dewing Conditions</a>		TG 478 [31](35)	Phoenix Convention Center	Room 222 A
Tuesday,9 :30a.m. to 11 :30a.m.	<a href="#">Oil and Gas Production, CO2 Corrosion: Information Exchange</a>		TEG 059X [31](60, 61)	Phoenix Convention Center	Room 121 C
Tuesday,1 p.m. to 3 p.m.	<a href="#">Corrosion Inhibitor Program Management for Oil and Gas Fields</a>		TG 550 [31](08, 61)	Phoenix Convention Center	Room 121 C

Wednesday, 8 a.m. to 10 a.m.	<a href="#">Oil and Gas Production: Microbially Influenced Corrosion</a>	TEG 286X [31](60)	Phoenix Convention Center	Room 130
Wednesday, 8 a.m. to 10 a.m.	<a href="#">Oil and Gas Exploration Corrosion: Information Exchange</a>	TEG 514X [31](32, 60)	Phoenix Convention Center	Room 226 A

## Oil and Gas Production—Metallurgy STG 32 - Oil and Gas Production—Metallurgy

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 1 :30p.m. to 4 :30p.m.	<a href="#">Petroleum, petrochemical, and natural gas industries—Materials for use in H<sub>2</sub>S-containing environment</a>		TG 299 [32]	Phoenix Convention Center	Room 124 A-B
Wednesday, 7 :30a.m. to 10 :30a.m.	<a href="#">Double-Cantilever-Beam (DCB) Test</a>		WG 085c [32](62)	Phoenix Convention Center	Room 106
Wednesday, 8 a.m. to 10 a.m.	<a href="#">Cracking, Stepwise: Pipeline Steels</a>		TG 082 [32](34, 62)	Phoenix Convention Center	Room 103
Wednesday, 10 :30a.m. to 12 a.m.	<a href="#">Evaluation of Carbon &amp; Low-Alloy Steels for Resistance to Stress-Oriented Hydrogen-Induced Cracking</a>		TG 536 [32](34, 62)	Phoenix Convention Center	Room 106
Wednesday, 10 :30a.m. to 12 :30a.m.	<a href="#">Development of Test Method for Elevated Temperature in TM0177</a>		WG 085e [32]	Phoenix Convention Center	Room 103
Wednesday, 1 p.m. to 3 p.m.	<a href="#">Ripple Load Test for Evaluation of Sour Service Cracking Resistance</a>		TG 544 [32]	Phoenix Convention Center	Room 106
Wednesday, 1 p.m. to 3 p.m.	<a href="#">Test Method for Resistance to Environmentally-Induced Hydrogen Stress Cracking in Welds</a>		TG 554 [32](30, 34)	Phoenix Convention Center	Room 103
Wednesday, 3 p.m. to 4 p.m.	<a href="#">Computerized Environmental Cracking Database</a>		TG 257 [32](34, 62)	Phoenix Convention Center	Room 106
Wednesday, 4 p.m. to 5 :30p.m.	<a href="#">Sulfide Corrosion Cracking: Metallic Materials Testing Techniques</a>		TG 085 [32](62)	Phoenix Convention Center	Room 106

Wednesday, 4 p.m. to 6 p.m.	<a href="#">Metallic Materials for Sucker-Rod Pumps for Corrosive Oilfield Environments</a>	TG 084 [32]	Phoenix Convention Center	Room 103
Thursday, 7 :30a.m. to 10 :30a.m.	<a href="#">Oil and Gas Production Materials Information Exchange</a>	TEG 374X [32](33)	Phoenix Convention Center	Room 225 A-B
Thursday, 10 :30a.m. to 12 a.m.	<a href="#">STG 32 Officers Meeting</a>	STG 32	Phoenix Convention Center	Room 225 A-B
Thursday, 2 p.m. to 4 p.m.	<a href="#">Oil and Gas Production—Metallurgy</a>	STG 32	Phoenix Convention Center	Room 225 A-B

### Oil and Gas Production—Nonmetallics and Wear Coatings (Metallic) STG 33 - Oil and Gas Production—Nonmetallics and Wear Coatings (Metallic)

Time	Name	Description	Committee(s)	Location	Location Detail
Tuesday, 9 :30a.m. to 12 a.m.	<a href="#">Insulation for Upstream and Downstream Oil and Gas Operations</a>		TEG 086X [33]	Phoenix Convention Center	Room 223
Tuesday, 1 p.m. to 3 p.m.	<a href="#">Coating and Lining Technology for Oil and Gas</a>		TEG 524X [33]	Phoenix Convention Center	Room 223
Tuesday, 3 p.m. to 5 p.m.	<a href="#">Oil and Gas Production—Nonmetallics and Wear Coatings (Metallic)</a>		STG 33	Phoenix Convention Center	Room 223

### Petroleum Refining and Gas Processing STG 34 - Petroleum Refining and Gas Processing

Time	Name	Description	Committee(s)	Location	Location Detail
Monday, 9 a.m. to 9 :30a.m.	<a href="#">Protection of Austenitic Stainless Steels and Other Austenitic Alloys from Polythionic Acid Stress</a>		TG 173 [34](39, 60)	Phoenix Convention Center	Room 230
Monday, 9 :30a.m. to 10 a.m.	<a href="#">Petroleum Refining Sulfide Stress Cracking (SSC): Review of NACE Standard MR0103</a>		TG 231 [34](60)	Phoenix Convention Center	Room 230
Monday, 10 a.m. to 11 a.m.	<a href="#">Crude Unit Distillation Column Overhead Corrosion</a>		TG 342 [34]	Phoenix Convention Center	Room 230

Monday, 11 a.m. to 12 a.m.	<a href="#">Petroleum Refinery Corrosion Specialist Certification and Oversight of Refining Industry Corrosion</a>	TG 393 [34]	Phoenix Convention Center	Room 230
Monday, 1 p.m. to 2 p.m.	<a href="#">Materials and Fabrication Practices for New Pressure Vessels Used in Wet H2S Refinery Service</a>	TG 301 [34](32)	Phoenix Convention Center	Room 230
Monday, 2 p.m. to 3 p.m.	<a href="#">Refinery Injection and Process Mixing Points</a>	TG 174 [34]	Phoenix Convention Center	Room 230
Monday, 3 p.m. to 4 p.m.	<a href="#">Carbonate Stress Corrosion Cracking in Refinery Alkaline Sour Waters</a>	TG 347 [34](60)	Phoenix Convention Center	Room 230
Monday, 4 p.m. to 6 p.m.	<a href="#">Joint API/NACE Advisory Committee—API 751 Safe Operation of HF Alkylation Units—Corrosion &amp; Material</a>	TG 510 [34]	Phoenix Convention Center	Room 230
Tuesday, 7 a.m. to 8 a.m.	<a href="#">STG 34 Officers Meeting</a>	STG 34	Phoenix Convention Center	Room 123
Wednesday, 8 a.m. to 10 :30a.m.	<a href="#">Refining Industry Information Exchange: Session I</a>	TEG 205X [34]	Phoenix Convention Center	Room 129
Wednesday, 10 :30a.m. to 12 a.m.	<a href="#">Gas Treating Control Systems Corrosion Minimization</a>	TEG 113X [34]	Phoenix Convention Center	Room 129
Wednesday, 1 p.m. to 5 p.m.	<a href="#">Refining Industry Information Exchange: Session II</a>	TEG 205X [34]	Phoenix Convention Center	Room 129
Thursday, 8 a.m. to 10 a.m.	<a href="#">STG 34 Steering Committee</a>	STG 34	Phoenix Convention Center	Room 230

## Pipelines, Tanks, and Well Casings STG 35 - Pipelines, Tanks, and Well Casings

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 9 a.m. to 11 a.m.	<a href="#">Cathodic Protection Monitoring: Use of Coupons</a>		TEG 338X [35](05)	Phoenix Convention Center	Room 122 B-C
Sunday, 9 a.m. to 11 a.m.	<a href="#">Pipelines: Liquid Petroleum Industry Corrosion Control Issues</a>		TEG 314X [35](02, 03, 04, 05)	Phoenix Convention Center	Room 127 A



Sunday, 10 a.m. to 12 a.m.	<a href="#">Monitoring of Pipeline Casing using CP Coupons, ER probes, permanent reference electrodes, etc.</a>	TG 547 [35](05)	Phoenix Convention Center	Room 150
Sunday, 1 p.m. to 2 p.m.	<a href="#">Pipeline Crossings: Steel-Cased, Thrust-Bored, and HDD</a>	TEG 208X [35](05)	Phoenix Convention Center	Room 122 A
Sunday, 1 p.m. to 2 :30p.m.	<a href="#">Technical Guidance for Using Self-Propelled In-Line Inspection Devices in the Direct Examination</a>	TG 522 [35](31, 41)	Phoenix Convention Center	Room 150
Sunday, 2 p.m. to 3 :30p.m.	<a href="#">Pipeline Direct Assessment Methodology</a>	TG 041 [35]	Phoenix Convention Center	Room 122 A
Sunday, 2 p.m. to 5 p.m.	<a href="#">Report on Underdeposit Corrosion (UDC) of Pipelines</a>	TG 533 [35](31, 60)	Phoenix Convention Center	Room 151
Monday, 9 a.m. to 10 a.m.	<a href="#">Detection, Testing, and Evaluation of Microbiologically Influenced Corrosion on Internal Surfaces</a>	TG 254 [35]	Phoenix Convention Center	Room 102
Monday, 1 p.m. to 3 p.m.	<a href="#">Standard for External Corrosion Control of On-Grade Carbon Steel Storage Tank Bottoms</a>	TG 543 [35](05)	Phoenix Convention Center	Room 122 A
Monday, 3 p.m. to 5 p.m.	<a href="#">Corrosion Management of Aboveground Storage Tanks</a>	TEG 132X [35]	Phoenix Convention Center	Room 122 A
Tuesday, 9 :30a.m. to 11 :30a.m.	<a href="#">Pipelines: In-Line Inspection</a>	TEG 267X [35]	Phoenix Convention Center	Room 221 C
Tuesday, 1 p.m. to 3 p.m.	<a href="#">Hydrotesting and Long-Term Wet Storage of Pipelines, Risers, and Subsea Equipment</a>	TG 440 [35](31, 60)	Phoenix Convention Center	Room 221 C
Wednesday, 8 a.m. to 10 a.m.	<a href="#">Pipeline Corrosion Management</a>	TG 370 [35](02, 03, 05)	Phoenix Convention Center	Room 126 A
Wednesday, 10 a.m. to 10 a.m.	<a href="#">Application of Cathodic Protection for External Surfaces of Steel Well Casings</a>	TG 446 [35](05)	Phoenix Convention Center	Room 126 A
Wednesday, 10 :30a.m. to 11 :30a.m.	<a href="#">Well Casings, Corrosion Control: Information Exchange</a>	TEG 080X [35]	Phoenix Convention Center	Room 123

Wednesday, 1 p.m. to 3 p.m.	<a href="#">External Cathodic Protection of On-Grade Carbon Steel Storage Tank Bottoms</a>	TG 013 [35](05)	Phoenix Convention Center	Room 123
Wednesday, 1 p.m. to 3 p.m.	<a href="#">3D Laser and Structured Light</a>	TG 502 [35](05)	Phoenix Convention Center	Room 126 A
Wednesday, 1 p.m. to 5 p.m.	<a href="#">Measurement Techniques Related to Criteria for Cathodic Protection on Underground or Submerged Metal</a>	TG 020 [35](05)	Phoenix Convention Center	Room 102
Thursday, 4 p.m. to 6 p.m.	<a href="#">Cathodic/Anodic Protection, Pipelines, Tanks, and Well Casings</a>	STG 35	Phoenix Convention Center	Room 121 A-C

### Process Industry—Materials Performance in Chemicals STG 36 - Process Industry—Materials Performance in Chemicals

Time	Name	Description	Committee(s)	Location	Location Detail
Monday, 1 p.m. to 3 p.m.	<a href="#">Failure Prevention Case Histories</a>		TEG 118X [36](39)	Phoenix Convention Center	Room 130
Tuesday, 9 a.m. to 12 a.m.	<a href="#">Sulfuric Acid—Material and Experiences</a>		TEG 115X [36]	Phoenix Convention Center	Room 102
Tuesday, 1 p.m. to 4 p.m.	<a href="#">Materials Selection and Corrosion Control in the Mineral Processing Industries</a>		TEG 509X [36]	Phoenix Convention Center	Room 122 A
Tuesday, 4 p.m. to 5 p.m.	<a href="#">Hydrofluoric Acid and Hydrogen Fluoride: Review of NACE Publication 5A171</a>		TG 358 [36](34)	Phoenix Convention Center	Room 122 A

### Process Industry—High Temperature STG 37 - Process Industry—High Temperature

Time	Name	Description	Committee(s)	Location	Location Detail
Thursday, 8 a.m. to 10 a.m.	<a href="#">Metal Dusting and Associated Phenomena: Effects on Materials Performance</a>		TEG 128X [37](60)	Phoenix Convention Center	Room 222 A
Thursday, 10 a.m. to 12 a.m.	<a href="#">Reformer Components: Materials Issues</a>		TEG 270X [37](34, 39)	Phoenix Convention Center	Room 222 A

Thursday, 1 p.m. to 3 p.m.	<a href="#">Materials, Advanced, for High-Temperature Service in the CPI</a>	TEG 123X [37]	Phoenix Convention Center	Room 222 A
Thursday, 3 p.m. to 4 p.m.	<a href="#">Process Industry—High Temperature</a>	STG 37	Phoenix Convention Center	Room 222 A

### Process Industry—Pulp, Paper, and Biomass Conversion STG 38

Time	Name	Description	Committee(s)	Location	Location Detail
Tuesday, 3 p.m. to 5 p.m.	<a href="#">Process Industry—Pulp, Paper, and Biomass Conversion</a>		STG 38	Phoenix Convention Center	Room 230

### Process Industries—Materials Applications and Experiences STG 39 - Process Industries—Materials Applications and Experiences

Time	Name	Description	Committee(s)	Location	Location Detail
Tuesday, 9 :30a.m. to 11 :30a.m.	<a href="#">Metals: Reactive</a>		TEG 120X [39]	Phoenix Convention Center	Room 122 A
Wednesday, 1 p.m. to 3 :30p.m.	<a href="#">Stainless Steels, Duplex and Ferritic: Application</a>		TEG 114X [39]	Phoenix Convention Center	Room 130
Wednesday, 3 :30p.m. to 6 p.m.	<a href="#">Stainless Steels: Austenitic and Nickel Alloys</a>		TEG 116X [39]	Phoenix Convention Center	Room 130

### Military and Aerospace Systems and Facilities STG 40

Time	Name	Description	Committee(s)	Location	Location Detail
Thursday, 2 p.m. to 4 p.m.	<a href="#">Military and Aerospace Systems and Facilities</a>		STG 40	Phoenix Convention Center	Room 121 C

### Electric Utility Generation, Transmission, and Distribution STG 41 - Electric Utility Generation, Transmission, and Distribution

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 10 a.m. to 12 a.m.	<a href="#">Electric Utility Transmission and Distribution Corrosion and Grounding: Discussion of Issues</a>		TEG 368X [41]	Phoenix Convention Center	Room 103
Sunday, 3 p.m. to 5 p.m.	<a href="#">"Inspection and Assessment of Below Grade and Groundline Corrosion on Weathering Steel on Electrical</a>		TG 538 [41](02, 03)	Phoenix Convention Center	Room 152

Monday, 1 p.m. to 2 :30p.m.	<a href="#">Atmospheric Above Grade Inspection and Assessment of Corrosion on Steel Electrical Transmission, Dis</a>	TG 529 [41](02)	Phoenix Convention Center	Room 127 A
Monday, 3 p.m. to 5 p.m.	<a href="#">Nuclear System Corrosion</a>	TEG 224X [41]	Phoenix Convention Center	Room 127 A
Tuesday, 9 :30a.m. to 11 :30a.m.	<a href="#">External Cathodic Protection for Nuclear Power Plant Piping Systems</a>	TG 491 [41](05, 35)	Phoenix Convention Center	Room 222 A
Thursday, 10 a.m. to 11 :30a.m.	<a href="#">Combustion and Conversion of Fossil and Alternative Fuels</a>	TEG 183X [41]	Phoenix Convention Center	Room 127 B-C
Thursday, 10 :30a.m. to 11 :30a.m.	<a href="#">Renewable Energy Facilities Design, Construction and Commissioning</a>	TEG 530X [41]	Phoenix Convention Center	Room 130
Thursday, 2 p.m. to 3 p.m.	<a href="#">Electric Utility Generation, Transmission, and Distribution</a>	STG 41	Phoenix Convention Center	Room 122 A

### Transportation, Land STG 43

Time	Name	Description	Committee(s)	Location	Location Detail
Wednesday, 9 a.m. to 12 a.m.	<a href="#">Transportation, Land</a>		STG 43	Phoenix Convention Center	Room 127 A

### Marine Corrosion: Ships and Structures STG 44 - Marine Corrosion: Ships and Structures

Time	Name	Description	Committee(s)	Location	Location Detail
Wednesday, 8 a.m. to 10 a.m.	<a href="#">Marine Corrosion of Copper Alloys</a>		TEG 523X [44]	Phoenix Convention Center	Room 122 A
Wednesday, 10 a.m. to 12 a.m.	<a href="#">Splash Zone Site-Applied Corrosion Protection System</a>		TG 542 [44](02, 03)	Phoenix Convention Center	Room 122 A

### Pollution Control, Waste Incineration, and Process Waste STG 45 - Pollution Control, Waste Incineration, and Process Waste

Time	Name	Description	Committee(s)	Location	Location Detail
Wednesday, 9 a.m. to 12 a.m.	<a href="#">Welding: Flue Gas Desulfurization (FGD) Techniques</a>		TG 129 [45](39)	Phoenix Convention Center	Room 222 A

Wednesday, 1 p.m. to 4 p.m.	<a href="#">Stainless Cr-Ni Steel and Ni-Alloy Roll- and Explosion-Bonded Clad Plate for Air Pollution Control</a>	TG 199 [45]	Phoenix Convention Center	Room 222 A
Thursday, 8 a.m. to 10 a.m.	<a href="#">FGD Pollution Control Industries Corrosion Control</a>	TEG 230X [45]	Phoenix Convention Center	Room 123
Thursday, 10 :30a.m. to 11 :30a.m.	<a href="#">Pollution Control, Waste Incineration, and Process Waste</a>	STG 45	Phoenix Convention Center	Room 123

### Corrosion Mechanisms STG 60 - Corrosion Mechanisms

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 9 a.m. to 10 a.m.	<a href="#">Environmentally Assisted Cracking</a>		TEG 186X [60]	Phoenix Convention Center	Room 121 C
Sunday, 1 p.m. to 5 p.m.	<a href="#">Nanotechnology and Corrosion</a>		TEG 474X [60]	Phoenix Convention Center	Room 102
Sunday, 3 p.m. to 5 p.m.	<a href="#">Microbiologically Influenced Corrosion</a>		TEG 187X [60](11, 46)	Phoenix Convention Center	Room 125 A-B
Wednesday, 9 a.m. to 11 a.m.	<a href="#">Biomedical Implant Device Corrosion</a>		TEG 331X [60]	Phoenix Convention Center	Room 102
Thursday, 8 a.m. to 10 a.m.	<a href="#">Corrosion Mechanisms</a>		STG 60	Phoenix Convention Center	Room 130

### Inhibition—Corrosion and Scaling STG 61 - Inhibition—Corrosion and Scaling

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 8 a.m. to 12 a.m.	<a href="#">State-of-the-Art Research on Corrosion Inhibitors</a>		TEG 094X [61]	Phoenix Convention Center	Room 222 A
Sunday, 1 p.m. to 2 p.m.	<a href="#">Volatile Corrosion Inhibitors (VCIs)</a>		TEG 093X [61](11)	Phoenix Convention Center	Room 222 A
Sunday, 1 p.m. to 3 p.m.	<a href="#">Inhibitors, Corrosion and Scale/Deposit</a>		TEG 184X [61](31, 46)	Phoenix Convention Center	Room 125 A-B
Sunday, 2 p.m. to 3 p.m.	<a href="#">Vapor Corrosion Inhibitors and Rust Preventives for Interim (Temporary) Corrosion Protection</a>		TG 261 [61](02)	Phoenix Convention Center	Room 222 A

Sunday, 3 p.m. to 4 p.m.	<a href="#">Vapor Corrosion Inhibitors and Rust Preventives for Interim (Temporary) Corrosion Protection</a>	TG 261 [61](02)	Phoenix Convention Center	Room 222 A
Wednesday, 3 p.m. to 5 p.m.	<a href="#">Inhibition—Corrosion and Scaling</a>	STG 61	Phoenix Convention Center	Room 221 C

## Corrosion Monitoring and Measurement—Science and Engineering Applications STG 62 - Corrosion Monitoring and Measurement—Science and Engineering Applications

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 9 a.m. to 5 p.m.	<a href="#">Electrochemical Measurements</a>		TEG 097X [62](41)	Phoenix Convention Center	Room 232
Sunday, 2 :30p.m. to 4 :30p.m.	<a href="#">Acoustic Emission Testing and Measurement</a>		TEG 098X [62]	Phoenix Convention Center	Room 123
Tuesday, 10 a.m. to 12 a.m.	<a href="#">Sensors: Corrosion and Corrosiveness Sensor Technology</a>		TEG 100X [62](41)	Phoenix Convention Center	Room 127 A
Tuesday, 2 p.m. to 4 p.m.	<a href="#">Techniques for Monitoring Corrosion and Related Parameters in Field Applications</a>		TG 390 [62](11, 31)	Phoenix Convention Center	Room 127 A
Tuesday, 2 p.m. to 4 p.m.	<a href="#">Corrosion Monitoring and Measurement—Science and Engineering Applications</a>		STG 62	Phoenix Convention Center	Room 127 A

## ISO Meetings

### ISO TC 156 TAG - U.S. TAG to ISO TC 156 Corrosion of Metals and Alloys ISO TC 156 TAG

Time	Name	Description	Committee(s)	Location	Location Detail
Tuesday, 1 :30p.m. to 3 :30p.m.	<a href="#">ISO TAG TC 156</a>		ISO TC 156 TAG	Phoenix Convention Center	Room 126 A

## U.S. TAG to ISO\_TC 35 Paints and Varnishes ISO TC 35 TAG

Time	Name	Description	Committee(s)	Location	Location Detail
Tuesday, 9 :30a.m. to 11 :30a.m.	<a href="#">ISO TAG TC 35</a>		ISO TC 35 TAG	Phoenix Convention Center	Room 126 A

## NACE MR0175/ ISO 15156 Maintenance Panel MR0175 MP

Time	Name	Description	Committee(s)	Location	Location Detail
Sunday, 8 a.m. to 5 p.m.	<a href="#">MR0175/ISO 15156 Maintenance Panel</a>		MR0175 MP	Phoenix Convention Center	Room 124 A-B

## Symposia Meetings

Time	Name	Description	Committee(s)	Location	Location Detail
Monday, 8 a.m. to 5 p.m.	<a href="#">Power Industry Corrosion</a>	<p>This symposium includes technical papers related to corrosion causes, issues, studies, experiences, and/or management practices, including coatings on steel structures and their related components in the power industry. Exposures include below grade, transition zone, and atmospheric corrosion of weathering, galvanized, and other coated steel structures.</p> <p>Sponsoring Committee(s): TEG 368X            Chair: Jon Brasher            Vice Chair: Graig Cilluffo</p>		Phoenix Convention Center	Room 127 B-C
Monday, 9 a.m. to 11 a.m.	<a href="#">Top of Line Corrosion</a>	<p>This symposium includes technical papers on mechanism, modeling, field experience, monitoring, mitigation (design and inhibition).</p> <p>Sponsoring Committee(s): TEG 515X            Chair: Fernando Farelas            Vice Chair: Thu Addis</p>		Phoenix Convention Center	Room 227 B-C

Monday, 9 a.m. to 5 p.m.

[Advances in Materials for Oil and Gas Production \(Day 1\)](#)

Advances in Materials for Oil and Gas Production

This symposium includes technical papers that present advances in materials technology and research. Focus is on new and improved metallic materials and applications. This includes consideration and measurement of the material's performance in its envisaged exposure environment.

Sponsoring Committee(s): STG 32  
Chair: Conchita Mendez  
Vice Chair: Hisashi Amaya

Phoenix Convention Center

Room 221 A-B

Monday, 9 a.m. to 5 p.m.

[Corrosion in Nuclear Systems](#)

This symposium includes technical papers on materials development, innovation and degradation issues related to light and heavy water reactors, small modular reactors (SMR), as well as in advanced reactors (Very High Temperature Reactors, Gas Cooled Reactors, Molten Salt Reactors). Papers are also sought in nuclear waste management and storage.

Sponsoring Committee(s): TEG 224X and TEG 465X  
Chair: Xihua He  
Vice Chair: Jared Smith

Phoenix Convention Center

Room 126 B-C

Monday, 9 a.m. to 5 p.m.

[Recent Experiences with Austenitic and Duplex Stainless Steels \(Day 1\)](#)

This symposium includes technical papers on recent experiences with stainless steels. The focus is on end user experiences from the process industries such as chemical processing, pulp & paper, oil & gas, desalination, pharmaceutical, and power generation. Topics include successes, failures, material selection, fabrication and new developments.

Sponsoring Committee(s): TEG 114X and TEG 116X  
Chair: Nicole Kinsman  
Vice Chair: James Fritz

Phoenix Convention Center

Room 128



Monday,9 a.m. to 5 p.m.	<a href="#">Sour Corrosion</a>	<p>This symposium includes technical papers that present advances in sour corrosion in Oil and Gas Production. Focus is on sour corrosion mechanism, mitigation strategies, case histories and best practices in corrosion management.</p> <p>Sponsoring Committee(s): TEG 282X Chair: Sandra Hernandez Vice Chair: Sajid Tanwir</p>	Phoenix Convention Center	Room 225 A-B
Monday,9 a.m. to 5 p.m.	<a href="#">Oil and Gas Production: Cathodic Protection - Offshore Advances</a>	<p>This symposium includes technical papers on cathodic protection related for offshore/maritime environments.</p> <p>Sponsoring Committee(s): STG 30 Chair: Alex Delwiche Vice Chair: Kehinde Ogun</p>	Phoenix Convention Center	Room 224 A-B
Monday,9 a.m. to 5 p.m.	<a href="#">Marine Corrosion - Looking to the Horizon (Day 1)</a>	<p>This symposium includes technical papers presenting state-of-the-art technology in marine corrosion assessment and mitigation, with a look to future opportunities through emerging technologies.</p> <p>Sponsoring Committee(s): STG 44 Chair: Abdul Hameed Al-Hashem Vice Chair: Moavin Islam</p>	Phoenix Convention Center	Room 131 A-B
Monday,9 a.m. to 5 p.m.	<a href="#">Mechanisms of Localized Corrosion and Electrochemical Methods (Day 1)</a>	<p>This symposium includes technical papers devoted to mechanisms of localized corrosion as well as to electrochemical methods used to study and elucidate localized corrosion mechanisms.</p> <p>Sponsoring Committee(s): STG 60, TEG 407X Chair: Helmuth Sarmiento Klapper Vice Chair: Martin Rodriguez</p>	Phoenix Convention Center	Room 228 A-B

Monday, 9 a.m. to 5 p.m.	<a href="#"><u>Understanding and Controlling Atmospheric Corrosion in Infrastructure, Transportation, and Utilities</u></a>	This symposium includes technical papers on understanding and controlling atmospheric corrosion in infrastructure, transportation and utilities.  Sponsoring Committee(s): TEG 189X Chair: Eric Schindelholz Vice Chair: Richard Granata	Phoenix Convention Center	Room 226 B-C
Monday, 9 a.m. to 5 p.m.	<a href="#"><u>Corrosion Durability of Civil Infrastructure (Day 1)</u></a>	This symposium includes technical papers on corrosion control techniques to provide long term durability to civil infrastructure and atmospherically exposed concrete structures.  Sponsoring Committee(s): TEG 043X Chair: Doug Leng Vice Chair: Kingsley Lau	Phoenix Convention Center	Room 105
Monday, 9 a.m. to 5 :30p.m.	<a href="#"><u>AC Interference, AC Induced Corrosion, AC Risk Assessment, Monitoring and Mitigation</u></a>	This symposium includes technical papers on AC interference, AC Corrosion, AC Risk Assessment, Case Studies on AC Corrosion, Fault Current, and Monitoring.  Sponsoring Committee(s): STG 05 Chair: Meng Lopez-Garrity Vice Chair: Casey Heinrich	Phoenix Convention Center	Room 121 A-C
Monday, 9 a.m. to 6 p.m.	<a href="#"><u>Microbiologically Influenced Corrosion</u></a>	This symposium includes technical papers that cover the impact of microbiological processes on metallic or non-metallic materials. Case histories of microbiologically influenced corrosion (MIC), as well as papers that describe recent advancements in MIC monitoring or mitigation, are encouraged.  Sponsoring Committee(s): TEG 187X Chair: Kenneth Wunch Vice Chair: Amilcar Oberto	Phoenix Convention Center	Room 125 A-B

Monday, 9 a.m. to 6 p.m.	<a href="#">Direct Assessment</a>	<p>This symposium includes technical papers that cover new technologies, methods and case histories in the areas of external, internal and SCC corrosion.</p> <p>Sponsoring Committee(s): STG 35 Chair: Joe Pikas Vice Chair: Rodrigo Himiob</p>	Phoenix Convention Center	Room 124 A-B
Monday, 1 p.m. to 3:30 p.m.	<a href="#">Insulation Product Innovations for the Oil &amp; Gas Sector</a>	<p>This symposium includes papers related to research and development in insulation materials for up- and downstream oil and gas operations. Insulation products of interest include thermal, cryogenic and acoustical insulation used in topsides and sub-sea oil and gas production and processing, as well as refining and related chemical production.</p> <p>Sponsoring Committee(s): TEG 086X Chair: Elizabeth Whitsitt Vice Chair: Brian Conley</p>	Phoenix Convention Center	Room 227 B-C
Tuesday, 9 a.m. to 12 a.m.	<a href="#">Corrosion Durability of Civil Infrastructure (Day 2)</a>	<p>This symposium includes technical papers on corrosion control techniques to provide long term durability to civil infrastructure and atmospherically exposed concrete structures.</p> <p>Sponsoring Committee(s): TEG 043X Chair: Doug Leng Vice Chair: Kingsley Lau</p>	Phoenix Convention Center	Room 105
Tuesday, 9 a.m. to 12 a.m.	<a href="#">Marine Corrosion - Looking to the Horizon (Day 2)</a>	<p>This symposium includes technical papers presenting state-of-the-art technology in marine corrosion assessment and mitigation, with a look to future opportunities through emerging technologies.</p> <p>Sponsoring Committee(s): STG 44 Chair: Abdul Hameed Al-Hashem Vice Chair: Moavin Islam</p>	Phoenix Convention Center	

Tuesday, 9 a.m. to 12 a.m.

[Geothermal Scaling and Corrosion](#)

This symposium includes technical papers on the testing and performance of materials exposed to both conventional and extreme geothermal environments used now and potentially in the future for energy generation. Emphasis is on papers that describe successes and failures with solutions to problems being trialled and proven.

Sponsoring Committee(s): TEG 182X  
Chair: Bill MacDonald  
Vice Chair: Sigrun Nanna Karlsdottir

Phoenix Convention Center

Room 227 B-C

Tuesday, 9 a.m. to 3 p.m.

[Recent Experiences with Austenitic and Duplex Stainless Steels \(Day 2\)](#)

This symposium includes technical papers on recent experiences with stainless steels. The focus is on end user experiences from the process industries such as chemical processing, pulp & paper, oil & gas, desalination, pharmaceutical, and power generation. Topics include successes, failures, material selection, fabrication and new developments.

Sponsoring Committee(s): TEG 114X and TEG 116X  
Chair: Nicole Kinsman  
Vice Chair: James Fritz

Phoenix Convention Center

Room 128

Tuesday, 9 a.m. to 4 p.m.

[Mechanisms of Localized Corrosion and Electrochemical Methods \(Day 2\)](#)

This symposium includes technical papers devoted to mechanisms of localized corrosion as well as to electrochemical methods used to study and elucidate localized corrosion mechanisms.

Sponsoring Committee(s): STG 60, TEG 407X  
Chair: Helmuth Sarmiento Klapper  
Vice Chair: Martin Rodriguez

Phoenix Convention Center

Room 228 A-B

Tuesday, 9 a.m. to 5 p.m.

[Oil and Gas Coating  
Technology \(Day 1\)](#)

This symposium includes technical papers on; (1) Long life offshore coatings (15-25 years service life), (2) Temporary coating for up to one year service life, (3) offshore coatings for offshore pitted stainless steel vessels, (4) coating blister mechanism, (5) CUI Coating, (6) Residual stress in pipeline coatings, (7) Soluble salt removal method, (8) offshore platform one coat system.

Sponsoring Committee(s): STG  
02/STG 03  
Chair: Benjamin Chang  
Vice Chair: Dennis Wong

Phoenix Convention Center

Room 124 A-B

Tuesday, 9 a.m. to 5 p.m.

[Inhibitors - Vapor Transported  
\(VCI\) and Surface Coated Rust  
Preventive \(RP\)](#)

This symposium includes technical papers related to novel applications, technical advances, test methods and materials which perform as vapor-transported corrosion inhibitors (VCI) and/or inhibitor coatings applied to metal surfaces to inhibit corrosion.

Sponsoring Committee(s): TEG  
093X and TEG 145X  
Chair: James Henderson  
Vice Chair: Behzad Bavarian

Phoenix Convention Center

Room 126 B-C

Tuesday, 9 a.m. to 5 p.m.

[Corrosion Management  
Systems and Economics \(Day  
1\)](#)

This symposium includes technical papers from end-users, product developers, consultants, academics, and others on all aspects of the development, application, and use of systematic corrosion management processes in industry, infrastructure, government, and military applications. The papers may address the development and implementation of Corrosion Management Systems (CMS) as well as specific product developments such as monitoring tools, software prediction tools, and chemical treatments, to support the CMS. The purpose of these products, tools and treatment however, must be clearly defined within the CMS. Papers on the practical challenges of developing and implementing systematic CMS are encouraged.

Sponsoring Committee(s): STG 08  
Chair: Gerhardus H. Koch  
Vice Chair: Robin D. Tems

Phoenix Convention Center

Room 127 B-C

Tuesday, 9 a.m. to 5 p.m.

[Advances in Materials for Oil  
and Gas Production \(Day 2\)](#)

This symposium includes technical papers that present advances in materials technology and research. Focus is on new and improved metallic materials and applications. This includes consideration and measurement of the material's performance in its envisaged exposure environment.

Sponsoring Committee(s): STG 32  
Chair: Conchita Mendez  
Vice Chair: Hisashi Amaya

Phoenix Convention Center

Room 221 A-B

Tuesday, 9 a.m. to 5 p.m.

[Cathodic and Anodic  
Protection \(Day 1\)](#)

This symposium includes technical papers about cathodic and anodic protection for pipelines, oil, gas and water transportation, storage and distribution systems.

Sponsoring Committee(s): STG 05  
Chair: Dan Wagner  
Vice Chair: Christopher Aldrich

Phoenix Convention Center

Room 122 B-C

Tuesday, 9 a.m. to 5 p.m.	<a href="#"><u>Control of Problematic Microorganisms in Oil and Gas Field Operations</u></a>	<p>This symposium includes technical papers discussing treatments and monitoring techniques pertaining to the control of microbiological problems and biogenic H<sub>2</sub>S in oil, water, and gas systems for upstream and downstream operations. Papers may include laboratory and/or field results.</p> <p>Sponsoring Committee(s): TEG 286X Chair: Jason Lee Vice Chair: Torben Skovhus</p>	Phoenix Convention Center	Room 222 B-C
Tuesday, 9 a.m. to 5 p.m.	<a href="#"><u>Understanding and Controlling Atmospheric Corrosion in Infrastructure, Transportation and Utilities</u></a>	<p>This symposium includes technical papers on understanding and controlling atmospheric corrosion in infrastructure, transportation and utilities.</p> <p>Sponsoring Committee(s): TEG 189X Chair: Eric Schindelholz Vice Chair: Richard Granata</p>	Phoenix Convention Center	Room 226 B-C
Tuesday, 9 a.m. to 6 p.m.	<a href="#"><u>Refining Industry Corrosion</u></a>	<p>This symposium includes technical papers related to corrosion and material issues within the refining industry, topics will explore case histories, materials performance, corrosion mechanics and failure analysis"</p> <p>Sponsoring Committee(s): STG 34, TEG 205X Chair: Trace Silfies Vice Chair: Jonathan Allen</p>	Phoenix Convention Center	Room 224 A-B
Tuesday, 1 p.m. to 5 p.m.	<a href="#"><u>Corrosion Control of Well Casings</u></a>	<p>This symposium includes technical papers on dissemination of techniques for control of corrosion on oil, gas, and storage well casings.</p> <p>Sponsoring Committee(s): STG 35 Chair: David Kroon Vice Chair: Ernest Klechka</p>	Phoenix Convention Center	Room 131 A-B

Tuesday, 2 p.m. to 5 p.m.

[Corrosion in Gas Treating](#)

This symposium includes technical papers discussing items of interest involving corrosion in the Gas Treating industries - which may include amine sweetening, gas dehydration, fractionation and compression operations in natural gas plants or refineries.

Sponsoring Committee(s): STG 34, TEG 113X  
Chair: Larry R. White  
Vice Chair: Cory DuBe

Phoenix Convention Center

Room 227 B-C

Wednesday, 8 a.m. to 12 a.m.

[Corrosion Solutions for Chemical and Mineral Processing with Polymer-Based Materials](#)

This symposium includes technical papers with innovations in polymer based, nonmetallic construction materials; new information about their range of use; developments in fabrication and construction techniques; case histories in corrosive service; failure analyses in corrosive service; contributions to engineering, design, manufacturing, and project management standards and best practices; trends in materials selection for corrosive service.

Sponsoring Committee(s): TEG 191X  
Chair: Kira Kaleps  
Vice Chair: Michael Stevens

Phoenix Convention Center

Room 126 B-C

Wednesday, 8 a.m. to 2 p.m.

[High-Temperature Materials and Corrosion for the Process Industry](#)

This symposium includes technical papers on materials and corrosion issues in high temperature (>540°C) process environments.

Sponsoring Committee(s): TEG 123X, TEG 126X, TEG 128X, and TEG 270X  
Chair: Stephanie Britton  
Vice Chair: Shankar Venkataraman

Phoenix Convention Center

Room 227 B-C



Wednesday, 8 a.m. to 3 p.m.	<a href="#"><u>Corrosion in Supercritical Systems</u></a>	<p>This symposium includes technical papers on corrosion in supercritical fluids and mitigation methods.</p> <p>Sponsoring Committee(s): TEG 121X Chair: Yimin Zeng Vice Chair: Yong Hua</p>	Phoenix Convention Center	Room 228 A-B
Wednesday, 8 a.m. to 4 p.m.	<a href="#"><u>Flow Assurance in Oil and Gas from Inland to Subsea</u></a>	<p>This symposium includes technical papers on maintenance of flow assurance in deep water and inland oil and gas systems by controlling corrosion, scale and related.</p> <p>Sponsoring Committee(s): TEG 202X Chair: I. George Winning Vice Chair: Dharma Abayarathna</p>	Phoenix Convention Center	Room 226 B-C
Wednesday, 8 a.m. to 5 p.m.	<a href="#"><u>Recent Experiences with Nickel, Titanium, Zirconium, and Other Corrosion - Resistant Alloys (Day 1)</u></a>	<p>This symposium includes technical papers related to the practical use and experience with corrosion resistant alloys including nickel base, titanium, zirconium and other corrosion resistant alloys.</p> <p>Sponsoring Committee(s): STG 39 Chair: Suresh Divi Vice Chair: Ralph Baessler</p>	Phoenix Convention Center	Room 222 B-C
Wednesday, 8 a.m. to 5 p.m.	<a href="#"><u>The Control of Corrosion in Oil and Gas Production with Inhibitors (Day 1)</u></a>	<p>This symposium includes technical papers where corrosion inhibitors have been developed to control corrosion in challenging environments in oil and gas production</p> <p>Sponsoring Committee(s): TEG 184X Chair: Alyn Jenkins Vice Chair: Zhengwei Liu</p>	Phoenix Convention Center	Room 224 A-B

Wednesday, 8 a.m. to 5 p.m.

[Nanomaterials and Corrosion Characterization Methods at the Nanoscale](#)

This symposium includes technical papers on the nanomaterials and nanoscale characterization methods for understanding corrosion mechanisms and mitigating corrosion. The use of nanomaterials or understanding the nanostructuring in metals or alloys to result in corrosion resistant and high performance coatings, corrosion inhibitors, super alloys, ceramics, and other materials that can prevent fouling and scaling. The nanomaterials can be in the form of particles, nanotubes, nanofillers, nanoplatelets, when incorporated in coatings, chemical inhibitor action, or preparation of alloys, will result in superior performance.

Sponsoring Committee(s): TEG  
474X  
Chair: Igor Kosacki  
Vice Chair: Richard Pollard

Phoenix Convention Center

Room 128

Wednesday, 8 a.m. to 5 p.m.

[Pipeline Integrity \(Day 1\)](#)

This symposium includes technical papers on integrity management plans and procedures, integrity management case histories, NDE and ILI case histories, NDE and ILI cutting edge technology developments underway or ready to be introduced, coatings and cathodic protection issues and case histories specific to pipelines, uses of cross-over industry technology in pipeline integrity management.

Sponsoring Committee(s): TEG  
267X  
Chair: Bryan Melan  
Vice Chair: Tony Poulassichidis

Phoenix Convention Center

Room 121 A-C

Wednesday, 8 a.m. to 5 p.m.

[CO<sub>2</sub>/H<sub>2</sub>S Corrosion in Wet Hydrocarbon Containing Environments](#)

This symposium includes technical papers on corrosion in hydrocarbon containing environments that is caused by corrosive gases, such as CO<sub>2</sub> and H<sub>2</sub>S.

Sponsoring Committee(s): TEG  
059X

Chair: Sonja Richter  
Vice Chair: Ziru Zhang

Phoenix Convention Center

Room 225 A-B

Wednesday, 8 a.m. to 5 p.m.

[Oil and Gas Coating Technology \(Day 2\)](#)

This symposium includes technical papers on; (1) Long life offshore coatings (15-25 years service life), (2) Temporary coating for up to one year service life, (3) offshore coatings for offshore pitted stainless steel vessels, (4) coating blister mechanism, (5) CUI Coating, (6) Residual stress in pipeline coatings, (7) Soluble salt removal method, (8) offshore platform one coat system.

Sponsoring Committee(s): STG  
02/STG 03

Chair: Benjamin Chang  
Vice Chair: Dennis Wong

Phoenix Convention Center

Room 124 A-B

Wednesday, 8 a.m. to 5 p.m.

[Cathodic and Anodic Protection \(Day 2\)](#)

This symposium includes technical papers about cathodic and anodic protection for pipelines, oil, gas and water transportation, storage and distribution systems.

Sponsoring Committee(s): STG 05  
Chair: Dan Wagner  
Vice Chair: Christopher Aldrich

Phoenix Convention Center

Room 122 B-C

Wednesday, 8 a.m. to 5 p.m.

[Corrosion Management  
Systems and Economics \(Day  
2\)](#)

This symposium is seeking technical papers from end-users, product developers, consultants, academics, and others on all aspects of the development, application, and use of systematic corrosion management processes in industry, infrastructure, government, and military applications. The papers may address the development and implementation of Corrosion Management Systems (CMS) as well as specific product developments such as monitoring tools, software prediction tools, and chemical treatments, to support the CMS. The purpose of these products, tools and treatment however, must be clearly defined within the CMS. Papers on the practical challenges of developing and implementing systematic CMS are encouraged.

Sponsoring Committee(s): STG 08  
Chair: Gerhardus H. Koch  
Vice Chair: Robin D. Tems

Phoenix Convention Center

Room 127 B-C

Wednesday, 8 a.m. to 5 p.m.

[Advances and Practical Use of  
Corrosion Monitoring  
Technologies \(Day 1\)](#)

This symposium includes technical papers in the areas of developing and advancing corrosion monitoring technologies and examples of practical use of these technologies.

Sponsoring Committee(s): TEG  
100X  
Chair: Sean Brossia  
Vice Chair: Kwei Meng Yap

Phoenix Convention Center

Room 131 A-B

Wednesday, 8 a.m. to 5 p.m.

[Environmentally Assisted Cracking \(Day 1\)](#)

The symposium includes technical papers related to understanding of all kinds of materials cracking mechanisms, including but not limited to hydrogen embrittlement, stress corrosion cracking, corrosion fatigue, liquid metal embrittlement, and so on. The papers can cover root cause failure analysis in service, laboratory testing methods, materials modeling, industry standards development, state of art EAC research reviews, and so on.

Sponsoring Committee(s): TEG  
186X  
Chair: Steven Shademan  
Vice Chair: Sai Venkateswaran

Phoenix Convention Center

Room 221 A-B

Wednesday, 2 p.m. to 5 p.m.

[Materials and Integrity in Oil Sands](#)

This symposium includes technical papers on oil sands from owner-operators, vendors, consultants, research - areas of interest include (but are not limited to): corrosion, failures, wear, process, materials selection, asset integrity, and can be related to SAGD, mining, downhole, or surface equipment / facilities.

Sponsoring Committee(s): TEG  
341X  
Chair: Tesfa Haile  
Vice Chair: Duane Serate

Phoenix Convention Center

Room 227 B-C

Thursday, 8 a.m. to 10 a.m.

[Combustion and Conversion of Fossil and Alternative Fuels](#)

This symposium includes technical papers that discuss corrosion and materials technology in combustion and conversion (gasification) of solid fossil fuels, biomass, and waste fuels for power generation and production of clean fuels.

Sponsoring Committee(s): TEG  
183X  
Chair: Joseph Meyer  
Vice Chair: Brett Tossey

Phoenix Convention Center

Room 127 B-C

Thursday, 8 a.m. to 10 a.m.

[Corrosion Issues in the Pulp, Paper, Biomass, and Biofuel Industries](#)

This symposium includes technical papers on corrosion issues relating to the pulp & paper industry, biomass conversion, or biofuels. Topics can include new materials for these applications, new failure trends, issues with wood products, case studies, or issues specific to equipment for the industry such as recovery boilers, digesters, and paper machines.

Sponsoring Committee(s): STG 38  
Chair: Matthew Tunnicliffe  
Vice Chair: Catherine Noble

Phoenix Convention Center

Room 226 B-C

Thursday, 8 a.m. to 12 a.m.

[Corrosion Issues in Military Equipment and Facilities](#)

This symposium includes technical papers to disseminate information and serve as a resource on identification, causes, and control of corrosion and materials degradation for military, aerospace, and electronic systems, equipment, and facilities.

Sponsoring Committee(s): 40  
Chair: Rob Mason  
Vice Chair: Robert J. Evans

Phoenix Convention Center

Room 128

Thursday, 8 a.m. to 12 a.m.

[Advances and Practical use of Corrosion Monitoring Technologies \(Day 2\)](#)

This symposium includes technical papers in the areas of developing and advancing corrosion monitoring technologies and examples of practical use of these technologies.

Sponsoring Committee(s): TEG 100X  
Chair: Sean Brossia  
Vice Chair: Kwei Meng Yap

Phoenix Convention Center

Room 131 A-B

Thursday, 8 a.m. to 3 p.m.

[The Control of Corrosion in Oil and Gas Production with Inhibitors \(Day 2\)](#)

This symposium includes technical papers where corrosion inhibitors have been developed to control corrosion in challenging environments in oil and gas production

Sponsoring Committee(s): TEG 184X  
Chair: Alyn Jenkins  
Vice Chair: Zhengwei Liu

Phoenix Convention Center

Room 224 A-B

Thursday, 8 a.m. to 4 p.m.

[Water Treatment vs. the Economics Associated with Risk and Reliability](#)

This symposium includes technical papers associated with the following areas of interest: Mitigation of Corrosion and Fouling, Best practices, New Chemistries/ Equipment for Corrosion and Fouling Control, Failures/Failure Analysis, Chemical Cleaning and Case Histories/Studies, all associated with water from Pretreatment to the end use and discharge (i.e. Wastewater).

Sponsoring Committee(s): STG 11  
Chair: Edward Beardwood  
Vice Chair: Claudia C. Pierce

Phoenix Convention Center

Room 126 B-C

Thursday, 8 a.m. to 5 p.m.

[Recent Experiences with Nickel, Titanium, Zirconium, and Other Corrosion-Resistant Alloys \(Day 2\)](#)

This symposium includes technical papers related to the practical use and experience with corrosion resistant alloys including nickel base, titanium, zirconium and other corrosion resistant alloys.

Sponsoring Committee(s): STG 39  
Chair: Suresh Divi  
Vice Chair: Ralph Baessler

Phoenix Convention Center

Room 222 B-C

Thursday, 8 a.m. to 5 p.m.

[Pipeline Integrity \(Day 2\)](#)

This symposium includes technical papers on integrity management plans and procedures, integrity management case histories, NDE and ILI case histories, NDE and ILI cutting edge technology developments underway or ready to be introduced, coatings and cathodic protection issues and case histories specific to pipelines, uses of cross-over industry technology in pipeline integrity management.

Sponsoring Committee(s): TEG  
267X  
Chair: Bryan Melan  
Vice Chair: Tony Poulassichidis

Phoenix Convention Center

Room 121 A-C

Thursday, 8 a.m. to 5 p.m.

[Environmentally Assisted Cracking \(Day 2\)](#)

The symposium includes technical papers related to understanding of all kinds of materials cracking mechanisms, including but not limited to hydrogen embrittlement, stress corrosion cracking, corrosion fatigue, liquid metal embrittlement, and so on. The papers can cover root cause failure analysis in service, laboratory testing methods, materials modeling, industry standards development, state of art EAC research reviews, and so on.

Sponsoring Committee(s): TEG  
186X  
Chair: Steven Shademan  
Vice Chair: Sai Venkateswaran

Phoenix Convention Center

Room 221 A-B

Thursday, 10 :30a.m. to 12 a.m.

[Hydrogen Permeation Measurements and Their Interpretation](#)

This symposium includes papers dedicated to hydrogen permeation measurements and their interpretation.

Sponsoring Committee(s): TEG  
108X  
Chair: Karsten Wiegiers  
Vice Chair: Matthew L. Taylor

Phoenix Convention Center

Room 226 B-C

## Forum Meetings



Time	Name	Description	Committee(s)	Location	Location Detail
Monday, 9 a.m. to 12 a.m.	<a href="#">Coating Technology &amp; Systems of the U.S. Navy Forum</a>	<p>Presented by: Cameron Miller, James Martin, Colton Spicer, Jimmy Tagert, U.S. Naval Research Laboratory</p> <p>This forum will provide an overview of coatings and related technology systems being used or developed by the U.S. Navy for corrosion control. The forum will inform industry of the technologies being employed and looked at by the Navy and provide the opportunity to interact with commercial industry on common challenges. Specifically, the forum will present the following subject areas:</p> <ul style="list-style-type: none"> <li>-Overview of Navy coatings and qualification processes</li> <li>-Thermal spray coatings and testing methods</li> <li>-Simulating real world operational environments in laboratory testing</li> <li>-Coating removal and surface prep technologies (e.g., laser ablation/texturing, heat induction, etc.)</li> <li>-Inspection and non-destructive evaluation tools/technologies (e.g., in-situ 3-D profilometry, thermography, etc.)</li> </ul>		Phoenix Convention Center	Room 227 A

Monday, 1 p.m. to 5 p.m.

[Water Forum](#)

Presented by: Robert Boswell,  
Boswell's Consulting Testing  
Services

The Water Forum provides a venue for those involved in the water and waste water industries to learn about new technologies, lessons learned and industry best practices. Presenters come from a diverse range of backgrounds and skills sets and have over 100 combined years of experience in the industry. The content of the forum is applicable to both beginners and veterans of the water and waste water industries.

Phoenix Convention Center

Room 227 A

Monday, 1 p.m. to 5 p.m.

[The War of Middle East and Africa Against Corrosion Forum](#)

Presented by: Gasem Fallatah,  
NACE International

There are a lot of misconceptions towards the Middle East and Africa. This forum will expose the biggest threat in this region: the attack of corrosion. These regions are exposed to a very harsh environment, such as extremely high temperature, high salinity, and high humidity. This forum aims to present the real face of Middle East and Africa and show their battle against corrosion. The first part of the forum will present case studies on specific corrosion challenges in the area. Corrosion experts from the Middle East and Africa will reveal some evidences of corrosion and their ways of controlling it given the harsh environment. As corrosion is one of the biggest issues in this area, businesses are being developed to help control this issue. The second part of the forum will present the development of businesses in these areas. Leaders for business development will share some information on the current market needs and ways on how to

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Room 232

Monday, 3 p.m. to 4 p.m.

[How the Corrosion Industry is Revolutionizing Corrosion Management - IMPACT Plus Forum](#)

Presented by: Elaine Bowman,  
NACE International Institute

The most significant outcome of the IMPACT Study, which was launched by NACE International in March 2013, was the need to change how corrosion decisions are made. To meet this need, the IMPACT Portal was developed as a set of online asset management tools that offers a common language and structure needed to ensure communication throughout all levels of an organization.

This forum will demonstrate how an organization can utilize IMPACT Plus to assess the maturity of their corrosion management processes through the: Corrosion Process Framework and Corrosion Management Maturity Model (CMMM). Then, in a Reference Library, find hundreds of sources of information to close performance gaps identified through the CMMM.

Phoenix Convention Center

Room 122 B-C

Tuesday, 10 a.m. to 12 a.m.

[Coating Asset Management- The State of the Industry Forum](#)

Presented by: D. Terry Greenfield,  
CorroMetrics Services, Inc.

To achieve the economic value of an installed protective coating system, the designed life-cycle must be realized. This goal can be achieved through an effective coatings management program. This forum will be comprised of coatings industry professionals that have implemented programs to better manage their protective coatings assets. Each panel member will present about their program, how they were able to implement the program while sharing successes and challenges. Content will include maintenance philosophies, condition surveys, and data management systems. They will be available for questions.

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Room 121 A-C

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Tuesday, 1 p.m. to 5 p.m.

[PHMSA Pipeline Safety Forum](#)

Presented by: Kevin Garrity, Mears Group and Alan Mayberry, PHMSA

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Room 121 A-C

NACE members play a critical role in protecting the public from potential catastrophic failures of liquid/gas pipelines. Join policymakers, regulators, and industry experts for a discussion on how PHMSA and other agencies address corrosion in pipeline safety.

The forum will provide both a regulator and industry perspective on best pipeline safety practices and latest developments

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Tuesday, 1 p.m. to 5 p.m.

[Battle Against Corrosion in Latin America Forum](#)

Presented by: Jorge Canto, Corrosion Y Proteccion, Fabian Sanchez, OCP Ecuador, Ricardo Izquierdo, SLOM, and Zehbour Panossian, ABRACO

We find peculiar mountains, rivers and forests in Latin America that are a challenge for many corrosion combat projects. Speakers will share their experiences in each of these environments fighting against corrosion. Latin America faces many similar professional challenges in the corrosion field as the rest of the world. From Mexico to Argentina, including Central America, Brazil, Bolivia, Colombia, Ecuador, Panama, Peru and Venezuela have seen growth as well as extensive industrialization. This has brought the risks of corrosion of different types to the various industries.

Local Latin American professionals representing various countries and industries discuss how the available knowledge and technologies has been used to combat the impact of corrosion in the southern continent. With the flavor of the different cultures and countries, and their c

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Wednesday, 8:30 a.m. to 12 a.m.

[Environmentally Assisted Cracking of High Strength Steels and Alloys for Critical Service Subsea](#)

Environmentally Assisted Cracking of High Strength Steels and Alloys for Critical Service Subsea Bolting [With and Without Cathodic Charging] Forum

Presented by: Dr. Russell Kane, iCorrosion LLC, Khlefa Esklul, Occidental Petroleum, Tim Haber, GE Oil & Gas, and John Scully, University of Virginia

Based on recent service experience there is concern for critical subsea bolting and fasteners and their risk of failure as observed in recent near-miss incidents in sea-bottom drill-through equipment. Evidence suggests that these events were associated with environmental cracking in high strength materials by hydrogen embrittlement because of either (a) internal hydrogen from manufacturing or electrolytic application of protective coatings, and/or (b) external hydrogen from in-service cathodic protection from galvanic and/or impressed systems. There is also a concern that other environmental cracking can also induce embrittlement in certain high strength bolting materials under subsea con

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Wednesday, 9 a.m. to 12 a.m.

[Prognostics and Health  
Management Technologies for  
Corrosion Processes Forum](#)

Presented by: Prof. George  
Vachtsevanos, Georgia Tech and  
Jeff Bird, PHM Society

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Room 227 A

The board of directors of the Prognostics and Health Management Society propose to organize an advanced panel on novel technologies for corrosion data/image processing, feature or Condition Indicator (CI) extraction and selection, corrosion initiation detection and identification, and prediction of local and global corrosion growth/propagation. Recent advances in corrosion mitigation technologies have focused on the development and application of coating materials aimed to inhibit the corrosion growth. Aging aircraft and industrial processes are subjected to the detrimental effects of corrosion with corrosion prevention amounting to billions of dollars each year. There is a recognized need to develop and implement technologies that will assist in the expedient and early detection of corrosion. The panel members will discuss recent advances in corrosion sensing for aerospace and industrial processes, mo

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Wednesday, 1 p.m. to 2 p.m.

[Challenges of Designing and Installing Cathodic Protection for Buried Piping at Nuclear Power Plants](#)

Challenges of Designing and Installing Cathodic Protection for Buried Piping at Nuclear Power Plants Forum

Presented by: Eric Bonner, Pond & Company

Most cathodic protection (CP) applications are associated with the oil and gas market and NACE SP0169 is typically used as the appropriate technical guidance. However, nuclear power plants introduce a multitude of very challenging scenarios which may not be appropriate for current NACE guidelines. A Task Group (TG-404) is developing a guidance document specific to the design, installation and maintenance of CP within nuclear power plants.

This presentation will provide a series of case studies and outline the numerous challenges associated with providing corrosion control for buried piping within a nuclear facility. Further, solutions to these challenges will be discussed as well as the new TG-404 guidance document.

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Wednesday, 1 p.m. to 4 p.m.

[The Future of NACE MR0175/ISO 15156: Proposed Changes for a Path Forward Forum](#)

Presented by: Robert Badrak, Weatherford

The NACE MR0175/ISO 15156 standard has its existing structure unchanged since the translation from the historical NACE MR0175 culminating in the December 2003 publication of the final parts 2 and 3. Our standard has been undergoing a critical review as to whether it should be rewritten to better serve the Oil & Gas Industry. The NACE MR0175/ISO 15156 Maintenance Panel (MP) has been wrestling with this subject for about a year and has developed an initial proposed new structure. The purpose of this Forum is to present the work of the MP and solicit feedback and discussions for the path forward.

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Room 223

## RIP Meetings

Time	Name	Description	Committee(s)	Location	Location Detail
Monday, 9 a.m. to 5 p.m.	<a href="#">Coatings and Inhibitors</a>	<p>This Research in Progress focuses on presentations related to the performance and evolution mechanisms of coatings/inhibitors through chemical or electrochemical (corrosion) aspects, and the interrelationship between composition, processing/technique, microstructural/nanostructural features, and the test environment and coating/inhibitor performance. Approaches to design of improved coating materials and inhibitors and processes based on scientific and experimental data applied to harsh or aggressive environments.</p> <p>Chair: Homero Castaneda-Lopez            Vice Chair: Ivan Karayan</p>		Phoenix Convention Center	Room 103

Monday, 9 a.m. to 5 p.m.

[Emergent Materials](#)

This Research in Progress session provides fundamental insight into the processing-structure-corrosion performance relationships of emergent materials are sought. Emergent materials of interest include nanocrystalline, amorphous and high entropy alloys, nanolaminates, nanostructured coatings, additively manufactured metals and composites. Contributions highlighting materials-by-design concepts and approaches for corrosion resistance are encouraged.

Chair: Rajeev Gupta  
Vice Chair: Eric Schindelholz

Phoenix Convention Center

Room 106

Monday, 9 a.m. to 5 p.m.

[Pits, Crevices, and Cracks](#)

This Research in Progress session deals with all aspects of localized damage of passivating metals, including (but not limited to) stainless steel, Al alloys, Ni alloys, and conventional or newly developing Corrosion Resistant Alloys (CRAs). The localized corrosion phenomena of interest include pitting, crevice, intergranular, and exfoliation corrosion. Fundamental aspects of localized corrosion including initiation mechanisms, transition to stability, and damage accumulation are of particular interest. Additionally, papers related to environmentally assisted cracking phenomena, such as, stress corrosion cracking, corrosion fatigue, and hydrogen embrittlement are also welcome.

Chair: Brendy Rincon Troconis  
Vice Chair: Jenifer Locke

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Tuesday, 9 a.m. to 5 p.m.

[Corrosion and Biocompatibility of Biomedical Alloys and Implant Devices](#)

This Research in Progress session is seeking abstracts that will examine all aspects of corrosion and degradation pertaining to implant alloys as well as device interaction with the surrounding biological environment. Topics of interest include mechanisms of corrosion or degradation of materials as a result of interaction of implants with the host tissue; surface treatment of materials to inhibit corrosion or enhance biocompatibility; in vitro, in vivo and ex vivo testing methods, development of new alloys, devices and constructs; implantation procedures and lifetime predictions and material/device monitoring, etc. Presentations will focus on the latest results and accomplishments.

Chair: Vilupanur Ravi  
Vice Chair: Travis Voorhees

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Tuesday, 9 a.m. to 5 p.m.

[Modeling & Simulation](#)

This Research in Progress session focuses on presentations related to the development of state of the art modeling for different kinds of corrosion mechanisms. Contributions on the latest development of models considering the mechanistic interplay between mechanical, chemical, and electrochemical interactions and the ability to predict material performance or damage accumulation in aggressive environments are of particular interest.

The publications should make emphasis on validation, by either experimental or field-testing, as well on detailing the mathematical approaches considered for the modeling from a mechanistic perspective. Publications considering Stochastic methods for modeling complex systems are encouraged.

Chair: Raymundo Case  
Vice Chair: Jing Ning

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Room 125 A-B

## Exhibit Hall Meetings

Time	Name	Description	Committee(s)	Location	Location Detail
Tuesday, 10 :15a.m. to 5 p.m.	<a href="#">University Student Design and Applied Solutions Competition (USDASC)</a>	<p>The 3rd Annual USDASC has challenged university student teams to design and build an autonomous system for corrosion inspection and detection in hard-to-access areas. Each team will be giving a 20-minute oral presentation of its design and system overview to the judging panel. The evaluation criteria for the project include:</p> <ul style="list-style-type: none"> <li>• continuity, clarity, and organization of the documentation presented</li> <li>• quality of research presented</li> <li>• innovation in design of proposed solution</li> <li>• methodology used by the team to create the final applied solution and the testing methods applied</li> <li>• replicability of the solution (students should consider factors such as the cost associated with reproducing the solution presented);</li> <li>• materials required to build the system</li> <li>• advantages of proposed solution</li> <li>• applicability to the competition design challenge topic</li> </ul>		Phoenix Convention Center	Green Theater/Booth 211

Tuesday, 1 :30p.m. to 3 p.m.

[Workforce planning and training for effective utilization of FRP products in corrosion applications](#)

The presentation will highlight corrosion applications using Fiber Reinforced Polymer Composites (FRP) materials. Presentation of specification and manufacturing knowledge for proper use of FRP in corrosion applications will be given. The forum will inform industry decision makers, manufacturers and installers on Fiber Reinforced Polymer application advantages. It will outline some of the workforce safety, training and selection criteria for Fiber Reinforced Polymer products. Interaction is encouraged with those in the forum who have questions or concerns regarding applications that best suit FRP corrosion products. The presentation will inform, educate and build confidence in composite product selection and application. The forum will outline some of the workforce challenges technical employees specifying FRP products and those that use them should prepare for.

Presented by: Andrew Pokelwaldt,  
American Composites  
Manufacturers Association

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Orange Theater/Booth 1555

Tuesday, 3 :30p.m. to 5 p.m.

[How to be an Author](#)

Ever wondered how you can be an author with NACE International? Your peers are published in Materials Performance, CoatingsPro Magazine, CORROSION journal, and NACE books. Why aren't you? Stop by our "open house" to find out from the editors and managers of these publications what you'd need to submit an article, paper, or book proposal. We're looking for authors. It could be you!

Presented by: Stephanie Chizik,  
Jonnie Fuller, Kathy Larsen and  
Sammy Miles, NACE International  
Publications Division

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Wednesday, 10 :30a.m. to 11 a.m.

[Regulatory Challenges and Some Developments in Rail and Transportation Coatings Technology](#)

Increased regulatory requirements on health, safety, and environment have imposed many challenges on the protective coating technology in many industrial sectors including rail and transportation. The coating industry has been responding to these challenges and new product and technology developments are being made. The presentation outlines some of these challenges and highlights a few new developments by the rail and transportation coating industry in the area of high and/or 100% solids, low VOCs, low emission, low HAPS, isocyanate free, and fire protection.

Presented by: Dr. Shiwei William Guan, Strathmore - A CSW Industrial Company and Paul Whitehead, Strathmore Products, Inc.

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Orange Theater/Booth 1555

Wednesday, 10 :30a.m. to 12 a.m.

[Coatings 101](#)

This Presentation will discuss the following topics:

The forum will provide information about the use and application of coatings for the non-coatings professional. It will be comprised of case studies and lessons learned.

Presented by: Rae Marie Mattis

Phoenix Convention Center

Green Theater/Booth 211

Wednesday, 1:30 p.m. to 3 p.m.

[Contractor Awards Program](#)

CoatingsPro Magazine is again recognizing industry excellence in the application of commercial and industrial high-performance coatings with the second annual Contractor Awards Program. Join us on Wednesday, April 18, 2018 at 11:30 a.m. in the Orange Corrosive Chronical Theater. We will be announcing the accomplishments of the 2018 winners in six categories:

- Commercial Concrete
- Commercial Roof
- Industrial Concrete
- Industrial Steel
- Specialty Project
- Contractor/Crew MVP

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Orange Theater/Booth 1555

Wednesday, 1:30 p.m. to 3 p.m.

[Artificial Intelligence and Drone Technology Take-off: Vision-Based Automated Corrosion Detection](#)

Globally, Infrastructure is wearing out over time and its effective maintenance should be carried out in a timely manner to prevent further physical failure. For this, the precise corrosion inspection of infrastructure is required to be preceded during a regular inspection cycle.

The solution adopted a vision-based approach from an Artificial Intelligence Neural Network system by extracting possible color and texture descriptors from image sub-regions, which discriminates between sub-regions suspected and not suspected to identify anomaly areas.

The key aspect is the efficiency of the inspection process by reliably identifying potential corrosion areas using remote sensing Drone image data over a complex infrastructure in GPS-denied environments.

Presented by: Michael H Cohen,  
Industrial Skyworks Inc. and Dr.  
Gunho Sohn

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Orange Theater/Booth 1555



Wednesday, 3 :30p.m. to 5 p.m.

[Utilizing real data to improve the accuracy and utility of the Integrity Management risk assessment](#)

This forum will present how we planned and implemented these changes and will discuss the process and risk algorithm improvements. We will emphasize External Corrosion, Internal Corrosion, DC and AC interference, and 3rd party risk determinations. We will briefly describe the risk requirements in B31.8S and Subpart O and explain how by going beyond the minimum standards, more accurate results and more effective actions can be identified. Lastly DE Questar will describe those areas that they will continue to improve and how these improvements will help them increase safety and financial performance.

Presented by: Eric Nelson and Tony Martus, Questar/Dominion and Kevin Cowan, Kleinfelder

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Orange Theater/Booth 1555

## RTS Meetings

Time	Name	Description	Committee(s)	Location	Location Detail
Wednesday, 8 a.m. to 5 p.m.	<a href="#">Corrosion Lifetime Prediction in memory of Roger W. Staehle</a>	Roger Staehle was a proponent of using fundamental knowledge of corrosion mechanism to inform component and system design and enable intelligent lifetime prediction. This symposium will celebrate the contributions of Roger Staehle by presenting state-of-the-art concepts as they apply to a number of industries, including nuclear power generation, nuclear waste storage, pipeline integrity, and aerospace.  Co-chairs: Gerald Frankel, John Scully, and Narasi Sridhar		Phoenix Convention Center	Room 105