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On behalf of the board of directors of AMPP and the AMPP Global Center, it is our pleasure to invite you to AMPP’s inaugural Annual Conference + Expo in San Antonio, Texas, USA. From informative programs and workshops to exhibits and networking, this conference brings you the very latest information on materials, corrosion and coating trends, best practices, and products.

AMPP’s conference will be our industry’s largest event after nearly two years, and a wonderful occasion to reconnect with old friends and network with industry peers. Whether you are focused on corrosion, coatings, materials, or seeing new technologies from around the world, you will find everything you need in one place.

An AMPP Annual Conference + Expo registration includes entry to:

- Informative Symposia and Standard Committees Groups Led by Industry Experts
- Lectures from Industry’s Leading Authorities
- Hundreds of Exhibits
- Practical Learning Workshops
- Hands-on Coating and Cathodic Protection Experiences
- Targeted Professional Development Programming
- A Career Fair Featuring Companies from Several Industry Sectors
- Topical Theater Presentations in the AMPPTheaters
- Standards Development Meetings
- Numerous Networking Opportunities

No matter what part of the world you live in, these past two years have been challenging. We all have missed so much both personally and professionally, yet through it all our industry has been resilient. There is a lot that has happened and a lot to catch up on and we hope to bring it to you in-person and virtually next March.

Along with the boards and staff of AMPP, we look forward to welcoming you to AMPP’s Annual Conference + Expo 2022!

Sincerely,

Timothy Bieri
Chair, AMPP

Joyce Wright
Chair, AMPP Global Center

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Sincerely,

Timothy Bieri
Chair, AMPP

Joyce Wright
Chair, AMPP Global Center
MESA

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General Conference Information

AMPP Annual Conference + Expo 2022 Location
Henry B. Gonzalez Convention Center
900 E. Market St.
San Antonio, TX 78205, USA

Getting to San Antonio
San Antonio International Airport
9800 Airport Blvd.
San Antonio, TX 78216, USA

Visa Application and COVID-19 Restrictions for International Delegates
Any individual traveling from an international location into San Antonio will need to check the U.S. Department of State web site to identify their specific country Visa requirements and COVID-19 related restrictions.

For detailed listings of your country’s travel requirements in order to attend AMPP Annual Conference + Expo 2022, please visit travel.state.gov.

Official Conference Language
The official conference language is English.

Professional Development Hours (PDHs) Stations
Earn PDHs in technical meetings, forums, and symposia you attend. Print out your personalized PDH certificates at the PDH Station located near Registration. Certificates are based solely on the information provided to AMPP at the time of printing.

Sponsored by:

AMPP ANNUAL CONFERENCE + EXPO 2022 Conference Papers
The AMPP Annual Conference + Expo 2022 conference proceedings will be available on USB and online. Please see below for pricing details.

<table>
<thead>
<tr>
<th>Registration Category</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Register before January 17, 2022—Complimentary USB or Online Access</td>
<td></td>
</tr>
<tr>
<td>Advanced registrants—Full and Students</td>
<td></td>
</tr>
<tr>
<td>Full Advanced Exhibitor Comp Registration</td>
<td></td>
</tr>
<tr>
<td>Register after January 17, 2022—$149 USB or Online Access</td>
<td></td>
</tr>
<tr>
<td>Conference attendees—Full, One Day, Two Days, and Students</td>
<td></td>
</tr>
<tr>
<td>Full Exhibitor Comp Registration</td>
<td></td>
</tr>
<tr>
<td>Booth Attendants</td>
<td></td>
</tr>
<tr>
<td>Exhibit Hall Only</td>
<td></td>
</tr>
<tr>
<td>Not attending AMPP Annual Conference + Expo 2022</td>
<td></td>
</tr>
</tbody>
</table>

Convention Center Accessibility
Henry B. Gonzalez Convention Center is committed to accommodating the needs of individuals with disabilities. The Center complies with all federal ADA laws. If you have any special requirements, please contact AMPP (customersupport@ampp.org) for additional assistance.

Corporate Lounge
The Corporate Lounge offers qualifying corporate member representatives specialized services and an oasis for conducting business while at conference. Guests can reserve meeting rooms, check their email, or just relax between meetings.

To learn how you can become a Corporate Member, please contact our Membership Engagement Specialist via email at corporate@ampp.org or by phone: +1 281-584-6693.
Registration Information

<table>
<thead>
<tr>
<th>REGISTRATION TYPE</th>
<th>Member Rates (USD)</th>
<th>Nonmember Rates (USD)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Advance</td>
<td>Regular</td>
</tr>
<tr>
<td>Full Conference(A)</td>
<td>$815</td>
<td>$960</td>
</tr>
<tr>
<td>One-Day(B)</td>
<td>$450</td>
<td></td>
</tr>
<tr>
<td>Two-Day(B)</td>
<td>$620</td>
<td></td>
</tr>
<tr>
<td>Virtual</td>
<td>$495</td>
<td></td>
</tr>
<tr>
<td>Student</td>
<td>No cost</td>
<td>$100</td>
</tr>
<tr>
<td>Guest(C)</td>
<td>$155</td>
<td></td>
</tr>
<tr>
<td>Exhibit Hall Only</td>
<td></td>
<td>$150</td>
</tr>
<tr>
<td>Spring Golf Tournament</td>
<td></td>
<td>$250 Individual</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMERGing Leaders Bash</td>
<td></td>
<td>$75</td>
</tr>
<tr>
<td>Honoree Night</td>
<td></td>
<td>$75 Individual</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$2,500 VIP Lounge Sponsor(D)</td>
</tr>
<tr>
<td>Fellows Meeting Breakfast</td>
<td></td>
<td>$25—by invitation only(E)</td>
</tr>
</tbody>
</table>

[A] Full conference registration includes access to on site social activities, Tuesday lunch, and a Wednesday drink ticket.
[B] One-day and two-day passes include full access to conference activities on selected day(s) only.
[C] Guest registration includes access to social activities and Exhibit Hall only.
[D] Sponsorship packages available: contact sales@ampp.org for more information.
[E] For Fellows Breakfast, please contact ingrid.furtado@ampp.org.

For the most up-to-date pricing and details, please visit ace.ampp.org.

General Registration Information
Registration is available online from November 1, 2021 to March 4, 2022. On site registration will be for in-person conference attendees only. On demand conference registration will continue online after conference begins. Advance registration rates will be available from November 1, 2021 to January 17, 2022. After January 17, 2022, regular registration rates will apply.

Express Pass and On Site Registration
AMPP Annual Conference + Expo 2022 registration will be located in the Henry B. Gonzalez Convention Center.
# Registration and Housing

## Important Dates and Information

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 1, 2021</td>
<td>Housing opens. We recommend that you select your hotel early to ensure you are able to book a room at your preferred hotel.</td>
</tr>
<tr>
<td></td>
<td>Registration opens. Register online at ace.ampp.org.</td>
</tr>
<tr>
<td></td>
<td>Mail: AMPP 15835 Park Ten Place Houston, TX 77084</td>
</tr>
<tr>
<td></td>
<td>Fax: +1 281-228-6329</td>
</tr>
<tr>
<td></td>
<td>Phone: 1 800-797-6223 (U.S. and Canada) or +1 281-228-6223 (worldwide)</td>
</tr>
<tr>
<td></td>
<td>Payment information. AMPP accepts checks, money orders, or credit card payments. Invoices will not be issued.</td>
</tr>
<tr>
<td>January 17, 2022</td>
<td>Advance registration closes. After January 17, registrations will be processed at the regular price.</td>
</tr>
<tr>
<td>February 11, 2022</td>
<td>Housing closes. All changes, cancellations, and reservations must be handled directly by the hotels, not the housing bureau.</td>
</tr>
<tr>
<td>March 4, 2022</td>
<td>Online registration for in-person conference closes. After March 4, registrations for in-person conference attendees will only be accepted at the Henry B. Gonzalez Convention Center.</td>
</tr>
<tr>
<td>March 6, 2022</td>
<td>AMPP Annual Conference + Expo 2022 begins. For times and locations of on-site registration, please visit ace.ampp.org/registration.</td>
</tr>
<tr>
<td>March 10, 2022</td>
<td>Registration closes. noon</td>
</tr>
<tr>
<td></td>
<td>AMPP Store closes. 1 p.m.</td>
</tr>
<tr>
<td></td>
<td>Exhibit Hall closes. noon</td>
</tr>
<tr>
<td></td>
<td>AMPP Business Center closes. 5 p.m.</td>
</tr>
</tbody>
</table>

### Conference Registration Payment and Information

Registration will not be processed without payment. Registration and payment date determine price. Payment must be made in U.S. dollars from a U.S. financial institution.

*If you have a disability that may hinder your participation, please email a written description of your needs to customersupport@ampp.org and an AMPP staff member will contact you.*

### Registration Policies

Check refunds are processed after the conference. There are no refunds on exhibit visitors or networking tickets. Mailed in registrations received after March 3, 2022 will be processed on site.
CANCELLATION AND REFUND POLICY

Paid registrations cancelled in writing at least 60 calendar days or more prior to the start of the event will receive a full refund, less a 10% service fee. Paid registrations cancelled in writing 59 to 30 days before the starting date of the event will receive a refund of 50% of the registration fee. No refunds or credits will be issued on cancellation requests received less than 30 days before the event begins. Transfer of registration is permitted one time at a fee of $100.00 USD. Transfers may not be made less than 14 days before the event begins. This policy supersedes any previously published policy regarding the cancellation process for AMPP conferences.

All requests for transfer or cancellation must be submitted in writing to customersupport@ampp.org. No refund will be processed if the registrant is a no show.

IMPORTANT CONTACTS INFORMATION

<table>
<thead>
<tr>
<th>IMPORTANT CONTACTS</th>
<th>U.S.</th>
<th>INTERNATIONAL</th>
<th>EMAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration and General Questions</td>
<td>1 800-797-6223</td>
<td>+1 281-228-6223</td>
<td><a href="mailto:customersupport@ampp.org">customersupport@ampp.org</a></td>
</tr>
<tr>
<td>Housing Information</td>
<td>1 866-470-7778</td>
<td>+1 571-549-4542</td>
<td><a href="mailto:AMPPHousing@spargoinc.com">AMPPHousing@spargoinc.com</a></td>
</tr>
<tr>
<td>Membership Services</td>
<td>1 800-797-6223</td>
<td>+1 281-228-6223</td>
<td><a href="mailto:customersupport@ampp.org">customersupport@ampp.org</a></td>
</tr>
<tr>
<td>AMPP Conferences</td>
<td>+1 281-228-6413</td>
<td>+1 281-228-6413</td>
<td><a href="mailto:lesley.martinez@ampp.org">lesley.martinez@ampp.org</a></td>
</tr>
<tr>
<td>AMPP Exhibits</td>
<td>+1 281-228-6227</td>
<td>+1 281-228-6227</td>
<td><a href="mailto:jackie.foster@ampp.org">jackie.foster@ampp.org</a></td>
</tr>
<tr>
<td>AMPP Sponsorships</td>
<td>+1 281-228-6299</td>
<td>+1 281-228-6299</td>
<td><a href="mailto:sales@ampp.org">sales@ampp.org</a></td>
</tr>
<tr>
<td>Conference Symposium Papers</td>
<td>+1 281-228-6218</td>
<td>+1 281-228-6218</td>
<td><a href="mailto:papers@ampp.org">papers@ampp.org</a></td>
</tr>
</tbody>
</table>

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**New Jersey American Water:**
“We had a lot of failures because the contractors that we were using in the past weren’t accredited and they were cutting corners and it ended up costing us close to $17M.”

Kenny Jaros, Tank Maintenance Coordinator, New Jersey American Water

**Alpine Painting:**
“We now offer longer warranties on jobs, and worry less about callbacks, things run smoother and we can get to more work with the same amount of labor and ultimately the more work I get to turns into more dollars.”

Sam Scaturro, President, Alpine Painting

Want to learn more? Contact us to get started.
www.ampp.org/accreditation

MATERIALS PERFORMANCE: VOL. 60, NO. 10
## Official Conference Hotels

### Official Conference Hotels List

<table>
<thead>
<tr>
<th>HOTEL</th>
<th>S/D RATE</th>
<th>T/Q RATE</th>
<th>ADDRESS</th>
<th>PHONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1  Grand Hyatt San Antonio*</td>
<td>$219</td>
<td>$239</td>
<td>600 E. Market St.</td>
<td>+1 210-224-1234</td>
</tr>
<tr>
<td>2  San Antonio Marriott Riverwalk</td>
<td>$230</td>
<td>$250</td>
<td>889 E. Market St.</td>
<td>+1 210-224-4555</td>
</tr>
<tr>
<td>3  San Antonio Marriott Rivercenter</td>
<td>$230</td>
<td>$250</td>
<td>101 Bowie St.</td>
<td>+1 210-223-1000</td>
</tr>
<tr>
<td>4  Hilton Palacio del Rio</td>
<td>$225</td>
<td>$245</td>
<td>200 S. Alamo</td>
<td>+1 210-222-1400</td>
</tr>
<tr>
<td>5  Hotel Contessa</td>
<td>$229</td>
<td>$249</td>
<td>306 W. Market St.</td>
<td>+1 210-229-9222</td>
</tr>
<tr>
<td>6  La Quinta Inn &amp; Suites SA/Riverwalk</td>
<td>$189</td>
<td>$209</td>
<td>303 Blum St.</td>
<td>+1 210-222-9181</td>
</tr>
<tr>
<td>7  The Westin Riverwalk, San Antonio</td>
<td>$257</td>
<td>$277</td>
<td>420 W. Market St.</td>
<td>+1 210-224-6500</td>
</tr>
<tr>
<td>8  Homewood Suites SA/Riverwalk/ Downtown</td>
<td>$205</td>
<td>$225</td>
<td>432 W. Market St.</td>
<td>+1 210-222-1515</td>
</tr>
<tr>
<td>9  SpringHill Suites San Antonio—Alamo Plaza</td>
<td>$169</td>
<td>$189</td>
<td>411 Bowie St.</td>
<td>+1 210-222-2121</td>
</tr>
<tr>
<td>10 Hampton Inn San Antonio—Downtown</td>
<td>$183</td>
<td>$203</td>
<td>414 Bowie St.</td>
<td>+1 210-225-8500</td>
</tr>
<tr>
<td>11 Fairfield Inn &amp; Suites—SA/Alamo Plaza/Convention Center</td>
<td>$159</td>
<td>$179</td>
<td>422 Bonham St.</td>
<td>+1 210-212-6262</td>
</tr>
<tr>
<td>12 Sonesta ES Suites SA Downtown</td>
<td>$189</td>
<td>$189</td>
<td>425 Bonham St.</td>
<td>+1 210-212-5555</td>
</tr>
<tr>
<td>13 Tru by Hilton DT/SA Riverwalk</td>
<td>$189</td>
<td>$209</td>
<td>901 E. Houston St.</td>
<td>+1 210-348-2924</td>
</tr>
</tbody>
</table>

*AMPP Headquarters Hotel

### Ways to Reserve Your Room

**Online Reservations**

To secure your reservation online, please visit ace.ampp.org. You will receive an automatic acknowledgement email from our housing bureau, SPARGO. Acknowledgements will be emailed within six hours of your reservation being processed directly online. If you do not receive your acknowledgement in this time frame, please contact the AMPP Annual Conference + Expo 2022 Housing Bureau at 1 866-470-7778 or +1 571-549-4542 (international), or email AMPPHousing@spargoinc.com.

Reservations at the official conference hotels in San Antonio may also be obtained through AMPP during the AMPP Annual Conference + Expo 2022 registration process online. The deadline to reserve a room through online registration is February 11, 2022. After February 11, 2022, hotel reservations and conference registration will no longer be available through the AMPP web site.

**ALERT!**

SPARGO is the ONLY APPROVED HOUSING AGENCY for AMPP Annual Conference + Expo in San Antonio.

If you are contacted by anyone other than SPARGO, please note they are not endorsed by AMPP. Despite their claims, they do not have access to our negotiated discounted rates. For accurate information regarding reservations or availability, please contact our official housing bureau, SPARGO, or call 1 866-470-7778 (U.S. and Canada), +1 571-549-4542 (international).
CALL FOR NOMINATIONS

Showcase & recognize high-performance coatings excellence!

CoatingsPro Magazine is now accepting nominations for outstanding projects or crews for its Sixth Annual Contractor Awards Program.

Nominations can be for individuals or for projects in these categories:

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

Award winners will be announced in March 2022 at The AMPP Annual Conference + Expo in San Antonio, TX.

Nominate a contractor or submit your winning project. Deadline: November 1, 2021

To submit nominations and for complete award details, go to www.coatingspromag.com/contractor-awards
A FINAL YEAR YOU WON'T FORGET!
December 13–16, 2021
Phoenix Convention Center, Phoenix, AZ

A not-to-be-missed event featuring a comprehensive technical program covering all aspects of protective coatings—from surface preparation to inspection!

Lock in your registration today!
Exhibits and sponsorship opportunities available

We can't wait to see you there!

www.sspc.org/coatings-2021
Official Conference Hotels Map
Minor Policy for AMPP Conferences

Children under the age of 15 are not permitted in the Expo, meetings, and symposia. Children over the age of 15 must be registered as guests and wear a badge at all times while in the Convention Center. To accommodate nursing mothers, the following will apply:

1. Expo attendance: Nursing infants will be allowed in the exhibit hall during show hours only and must always be carried in arms or front baby carrier (NO STROLLERS PERMITTED), by a registered AMPP attendee. Everyone who attends the exhibition must be registered and have a badge. Badges for minors 15 and older are free and available on site at the registration desk. Minors between 15 and 18 years of age must be accompanied by an adult at all times. Guardians are asked to help maintain a professional, disturbance-free exhibition environment.

2. Meetings & symposia: To provide all AMPP attendees an optimal learning environment, minors and guests are not permitted in technical meetings or the symposia. Those attending these sessions must be registered for the conference and show the appropriate badge.

3. Exhibitors: Exhibitor booth staff must be registered as such and be 15 years of age or older. The nursing infant rule does apply to exhibitors. No child under the age of 15 may be in an exhibit booth during set-up, tear-down, or show hours. Anyone in violation of these rules will have their booth closed and will not be provided a refund.

4. Strollers and rolling carts are not allowed in the exhibit hall at any time.

5. Childcare is not available at the Convention Center; however, your hotel concierge may be able to assist you. Please note that AMPP has no affiliation with these services.
VISCOTAQ VISCOWRAP-HT
A low viscous, amorphous, a-polar viscous elastic solid polyolefin coating in roll form used for the protection of under and aboveground substrates against corrosion.

DENSO BORE-WRAP®
A field applied abrasion resistant outerwrap that provides excellent protection to pipeline coating from trenchless installation methods.

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www.premiercoatings.com - South America Sales
Call: +1 281-821-3355  E-mail: info@densona.com
New—AMPP Connect

ATTEND AMPP ANNUAL CONFERENCE + EXPO FOR FREE

The first ever AMPP Annual Conference + Expo, combining the best of NACE International’s CORROSION conference and SSPC’s Coatings+ conference, brings new opportunities. The new AMPP Connect program taking place during the event is an exclusive networking opportunity that matches buyers and sellers together to create instant business connections. This program consists of face-to-face, prearranged meetings with leading providers of cathodic protection products and services, giving you direct access to the best in the industry at the world’s largest corrosion and coatings conference.

As a buyer, participating in AMPP Connect allows you to:
- Attend the coatings and corrosion event of the year
- Create strong relationships with potential business partners
- Get exclusive one-on-one time with sellers
- Learn about the latest trends in corrosion mitigation
- Obtain access to all the technical sessions and earn professional development hours
- Address your company’s specific needs and business goals by meeting with suppliers of corrosion prevention products and services.

Other benefits include:
- FREE full conference registration to AMPP Annual Conference + Expo 2022 (valued over $1,000!)
- $700 travel stipend
- Access to a dedicated lounge area in the exhibit hall
- Exclusive networking events

In order to qualify as a buyer, you must meet the following requirements:
- Have not participated in a NACE annual conference in the last three years (excluding CORROSION 2021 Virtual Conference & Expo)
- Fully completed buyer application form
- Attend all scheduled meetings*
- Agree to share information provided in the buyer application form**

Do you think you qualify, or know someone who meets the criteria above?
Learn more about this exciting program at ace.ampp.org or contact Meghan Leyva at meghan.leyva@ampp.org.

* Travel stipend will be provided immediately after the meetings conclude.
** This information includes contact information to be shared with all participating sellers of the event and will ONLY be shared with sellers. AMPP will not share this information with anyone who is not a seller at this event, nor will we sell this information.
## Meetings

Schedule is subject to change. Please refer to ace.ampp.org for the most up-to-date schedule.

### ADMINISTRATIVE MEETINGS

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<tr>
<th>NAME</th>
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<tr>
<td>AMPP Board of Directors Meeting</td>
<td>Friday</td>
<td>Grand Hyatt San Antonio</td>
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<tr>
<td>AMPP Global Center Board of Directors Meeting</td>
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<td>Grand Hyatt San Antonio</td>
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<tr>
<td>Standards Committee Informational Meeting</td>
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<tr>
<td>Conference and Events Program Committee (CEPC)</td>
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<td>Membership Program Committee</td>
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<td>MP Editorial Advisory Board</td>
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<td>Publications Program Committee</td>
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<tr>
<td>Standards Committee Officer Training</td>
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<tr>
<td>Annual Member Meeting</td>
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<tr>
<td>EMERG Student Outreach Committee</td>
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<tr>
<td>CORROSION Journal Editorial Board</td>
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<td>CEPC Symposium Officer Training</td>
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<tr>
<td>Research Committee Meeting</td>
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### OTHER MEETINGS

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<tr>
<th>NAME</th>
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<tr>
<td>Student Poster Orientation</td>
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<td>EMERG Student Meeting</td>
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<td>Career Fair</td>
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<td>International Licensee and Partner Meeting</td>
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<td>EMERG Student Camp</td>
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<td>Chapter Officer Meeting</td>
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<tr>
<td>AMPP Eagle Ford Chapter Meeting</td>
<td>Wednesday</td>
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### ISO MEETINGS

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<th>NAME</th>
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<tr>
<td>MR0175/ISO 15156 Maintenance Panel</td>
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<td>TG 299—MR0175/ISO 15156 Oversight Committee</td>
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<td>ISO TC 156 US TAG</td>
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<tr>
<td>ISO TC 35 US TAG</td>
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Welcome to AMPP Standards Committees!
AMPP invites you to participate in AMPP Annual Conference + Expo 2022. There has never been a better time to have your voice heard at AMPP, and all full conference registrants are welcome to participate! If you’re new to Standards Committees at AMPP, do not miss the Standards Committees Informational Meeting on Sunday, March 6 from 9 to 11 a.m. During this meeting, you’ll learn about AMPP’s Standards Committees and their functions. The matrix structure of AMPP Standards Committees is designed to bring together experts from various industries who are concerned with a specific subject matter and want to contribute to the development of standards that meet the needs of industry.

General AMPP Standards Committees Information
Standards Committee meetings are where you can learn about the projects assigned to a Standards Committee, meet the standards developers, contribute to the draft, and follow the progress of each standards project. AMPP Standards Committees scheduled to meet during AMPP Annual Conference + Expo 2022 are listed on the following pages. For the most up-to-date Standards Committee meeting listing with the exact meeting times and locations, visit the AMPP Annual Conference + Expo 2022 web site at ace.ampp.org.

Persons interested in joining a Standards Committee may do so at www.ampp.org/standards. AMPP membership is encouraged but not required. An AMPP profile is required.

For more information, visit ampp.org/standards.
## Technical Committee Meetings

Schedule is subject to change. Please refer to ace.ampp.org for the most up-to-date schedule.

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<thead>
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<th>STANDARDS COMMITTEE MEETINGS</th>
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<td>SC 08—Metallic Material Selection and Testing</td>
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<td>SC 13—Corrosion Monitoring and Measurement</td>
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<td>SC 10—Asset Integrity Management</td>
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<td>SC 19—Maritime</td>
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<td>SC 06—Process Industries</td>
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<td>SC 18—Water and Wastewater</td>
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<td>SC 05—Surface Preparation</td>
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<td>SC 17—Rail and Land Transportation</td>
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<td>SC 22—Biodeterioration</td>
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<td>SC 04—Linings and Internal Coatings</td>
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<td>SC 12—Concrete Infrastructure</td>
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<td>SC 01—Cathodic/Anodic Protection</td>
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<td>SC 21—Mining and Mineral Processing</td>
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<td>SC 09—Nonmetallic</td>
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<td>SC 11—Electric Utility Generation, Transmission, and Distribution</td>
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<td>SC 02—External Coatings—Atmospheric</td>
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<td>SC 25—Accreditation Standards</td>
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<td>SC 07—Defense and Aerospace</td>
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<td>SC 16—Oil and Gas—Downstream</td>
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<td>SC 20—Internal Corrosion Management</td>
<td>Wednesday</td>
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<td>SC 03—External Coatings—Buried and Immersed</td>
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<td>SC 14—Oil and Gas—Upstream</td>
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<td>SC 21—Mining and Mineral Precessing</td>
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<tr>
<td>SC 23—Coating System Application, Maintenance, and Inspection</td>
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Understanding the Proper Use of Coatings Inspection Equipment Workshop  
*Presented by Bill Corbett and Lake Barrett, KTA-Tator, Inc.*  
This workshop is modeled after the successful coatings inspection instrument workshop presented at SSPC Coatings + conference. This workshop introduces the attendee to the major instruments utilized in a typical coatings inspection project and allows each individual the ability to use the instruments on sample tanks, pipes, building facades, etc.

NDT Inspection for Corrosion Detection and Evaluation  
*Presented by Jorge Reyna, JRSA Inspections*  
Using nondestructive testing (NDT) devices such as an ultrasonic thickness device, ultrasonic flaw detector, electromagnetic testing, and advanced equipment like phased array or radiographic testing makes it possible to inspect components and determine an internal corrosion grade. In this workshop we will demonstrate how this equipment works, how to interpret results, and how to use this kind of equipment in field inspections.

Coating Failure Investigations, Why Did This Happen?  
*Presented by Lake Barrett, KTA-Tator, Inc.*  
A minimum of three coating failures will be reviewed to determine the cause and who is at fault. Audience questions and participation apply current knowledge to the science of determining the cause, assigning blame if there is a sole source, and possible methods to decrease the reoccurrence of the failure.

Electrochemical Techniques for Measuring Corrosion  
*Presented by Jeremy Moloney, ChampionX; David Loveday, Gamry Instruments; Lietai Yang, Corr Instruments; and Rob Sides, AMETEK*  
This Technical Information Exchange/workshop will be taught by experts who have established themselves as pioneers in their respective areas of specialty. It is anticipated that the participants of the workshop will acquire knowledge on:  
- WHAT are the fundamental principles of measuring corrosion rate using electrochemical techniques;  
- HOW to measure corrosion rate using electrochemical techniques in actual field conditions;  
- HOW the results should be interpreted; and  
- WHY measurement error of the technique should be estimated.

Leadership From the Inside Out  
*Presented by Stephanie Biagiotti Corey, Xcel Energy*  
It's tempting to view leadership through a results-driven mindset, focusing only on outcomes. But successful leadership relies on more than metrics. Diversity, inclusion, social responsibility, and ethical decision making are all crucial to a strong leadership culture. Leadership is not just a numbers game—it’s a people project. By challenging ourselves to be better leaders, we can change the world...from the inside out. This forum will provide tools to learn how you can make a difference in your own leadership for yourself and your teams.

Premature Coatings Failures Forum  
*Presented by Mike O’Brien, Mark 10 Resource Group, Inc.*  
Premature coating failures continue to cost asset owners, paint manufacturers, fabricators, contractors, shipbuilders, and others substantial amounts of unbudgeted money each year. Most of these failures are preventable if the proper principles are employed for selecting, applying, and inspecting the coatings. This tutorial is based on hundreds of real-life coating failures.
investigated by the presenter during his 40 years in the coating industry. This practical and informative tutorial is presented using many real-life case histories. It addresses coating failures that occur on steel, concrete, hot-dip galvanizing, and ductile iron substrates and explains the important properties for each of these substrates to consider when selecting and applying coatings to them. Failures involving most of the commonly applied coatings, including, but not limited to, inorganic zinc, organic zinc, epoxy, polysiloxane, polyurethane, water-based acrylic, and polyurea are discussed and pictures of the actual failures with these coating types are shown. NEW—When a premature coating failure occurs, it is important to investigate it using proper principles, techniques, and procedures.

During the presentation this year, the tutorial will include a new section on some basic principles to employ when investigating a premature coating failure, including how to prepare for a coating failure investigation, how to conduct the on-site investigation, how to determine the laboratory testing to perform, and how to analyze the results and write the report.

The Enbridge Case:
The Value Add of an Asset Owner’s Corrosion Management Audit Process Forum

Presented by Elaine Bowman, AMPP

This forum will share the benefits and value Enbridge realized after conducting a critical, inward-looking audit of their asset integrity program utilizing the IMPACT PLUS audit process. Through the audit process, Enbridge measured the maturity of their asset integrity activities and also benchmarked their results against other organizations in the corrosion industry. Even though there are very structured processes and procedures to manage asset integrity throughout the life cycle of an asset within Enbridge, the IMPACT PLUS audit helped pinpoint areas for improvement to further improve performance.
**Forums and Workshops**

Schedule is subject to change. Please refer to ace.ampp.org for the most up-to-date schedule.

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**PHMSA Pipeline Safety Forum**
*Presented by Kevin Garrity, MEARS; and Alan Mayberry, PHMSA*

The Pipeline and Hazardous Materials Safety Administration (PHMSA) and AMPP 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 the latest developments. The PHMSA Forum is your chance to hear an annual update from key PHMSA officials and discuss proposed rules that may be considered in 2022. Additionally, you’ll have the opportunity to hear from fellow members and stakeholders on the latest trends in pipeline safety.

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**Materials Protection and Performance—Latin-America Experience in the Life Cycle**
*Presented by Annelise Zeeman, TECMETAL Soluções Tecnológicas em Materiais; Dannissa Chalfoun, YPF Tecnología, CONICET, Instituto Sabato; Fabián Sanchez, SLOM—Sociedad Latinoamericana de Operadores de Terminales Marítimos y Monoboyas; Mauricio Herrera, BLASTING EXPERTS; and Teresa Perez, TEP Consulting*

This forum will share knowledge and best practices to reinforce AMPP’s position as a global leader in the protection and performance of materials, bringing together some of the Latin American leading experts.

The lectures will address topics related to the materials life cycle such as design, manufacturing, failure investigation, and inspection. At the end, a panel session will be opened so that the public can interact with the speakers and other participants, providing a differentiated networking experience.

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**Robotics & AI Forum**
*Presented by Steven Trevino, SPRINT Robotics*

Accelerate adoption of robotic solutions leveraging case studies and lessons learned working toward global scaling.

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**Galvanizing, Metallizing, and Duplex Coatings for Bridge Preservation Forum**
*Presented by Kevin Irving, International Zinc Association; Sudhir Palle, University of Kentucky; Dr. Tom Langell, American Galvanizing Association; and Derrick Castle, Sherwin Williams*

Corrosion of steel is a worldwide problem. This workshop will discuss the corrosion protection measures of galvanizing, metallizing, and duplex coatings that describe both DOT’s and paint manufacturers’ experiences in dealing with them. This will include hands-on demonstrations of adhesion tests of duplex coating on galvanized and metallized panels. There will be discussions from three different paint manufactures on using duplex coating for new steel. They will discuss measures on what needs to be taken into consideration for coating the galvanized/metallized steel. Slip and creep of faying surfaces will also be discussed. We will be able to show current case studies of galvanized bridges over 50 years old with no maintenance to date, meaning the first cost is still the same cost. We have case studies of metallized bridges over 20 years old with no maintenance. Duplex bridges will also be highlighted, with a current case study as well. If allowed, we could also do a live small outside demo of the metallizing process. This workshop will educate the beginner as well as the experienced AMPP members. They will learn of the cathodic protection of zinc and how it protects the steel substrate. These presentations will be very informal so the audience will be able to ask questions directly to the presenters.

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**Corrosion & Green Energy Forum**
*Presented by Jon Brasher, Ovante, LLC; and Hank Kleinfelder, CorrTech, Inc.*

Of the multitude of solar farms that have been, and are being, installed, a very large percentage of those have been designed without a corrosion management strategy, or with a strategy that is nominal at best. The materials used to make turbine blades for wind farms hasn’t kept up with the technology. Blades are being changed out because they can’t stand up to the environment. They degrade quickly. Solutions are out there. Standards need to be created.
Coatings 101 Workshop
Presented by Charles Brown, Chris Farschon, and Michael Baase, Greenman-Pedersen, Inc.

The workshop will provide an overview of an industrial protective coatings project, including design considerations, material selection, surface preparation guides, ambient conditions, and basic quality control techniques. What participants will obtain out of this course is a basic understanding of how protective coatings are specified and applied to meet the goals of a project. We will discuss corrosion, good design, good paint, good specifications, good contractors, good inspection, and good maintenance. We will review and present typical inspection instruments used on a paint project, surface preparation guides, how to read a product data sheet, and how to measure ambient conditions.

Coating Application and Corrosion Mitigation on United States Coast Guard Cutters Forum
Presented by Ross Markham, USCGC TAHOMA (WMEC-908); and Nick Paisker, USCG—SFLC—LREPL

Ever wonder how the United States Coast Guard (USCG) approaches corrosion prevention in its newly built and 50+ year old multi-mission marine assets? This session will expand on the current preservation practices and corrosion mitigation strategies used to extend the operational lifecycle of numerous new and aging USCG vessels. The various approaches to shipboard temporary repairs and commercial level renewals based on asset class, crew outfit, and operational schedule as well as geographic induced obstacles, etc., will be explored. Congressional appropriations, national interests, and public affairs of the seagoing service also play a large factor in this sustainment process. Additionally, the planning and maintenance feedback loop from corrosion assessments/inspections will also be discussed. USCG-specific technical documentation/references and their parallel with commercial subject matter expertise and industrial societies will likewise be integrated throughout the presentation.

Bridge Coatings—How to Address a Coatings Program from Design, Inspection to Maintenance Forum
Presented by Antonios Serdenes, Frank Slezak, and Jared Rigo, Gannett Fleming

This roundtable discussion will include the basic principle for developing a bridge painting program from its inception to completion. This roundtable format will be the discussion on the key requirements needed during the design, inspection, and maintenance of bridge coating projects. It will be an interactive discussion with audience members and the panelists to address their challenges facing their agencies.

Thermal and Cold Spray Coatings Forum—Processes, Applications, and Challenges
Presented by Shiladitya Paul, TWI; Jim Weber, James K. Weber Consulting, LLC; Dave Harvey, TWI; and Frank Prenger, Grillo-Werke Aktiengesellschaft

This session will cover discussions on thermal and cold spray coatings for mitigation of corrosion and wear with a specific focus on (but not limited to) surface preparation, coating consumable selection, spray method selection, spray parameter development, in-line quality and inspection, testing and qualification, operational experience, cost reduction, maintenance, and repair. The subjects to be covered include the latest research and field experience on thermal spray coatings, materials, processes, and strategies for corrosion control, etc. The group will also discuss conventional and novel thermal and cold spray coating systems used to prevent corrosion and wear in offshore, onshore, oil and gas, subsea, marine, construction, chemical industry, refinery, construction, automotive, power, aerospace, etc.

What Does a Facility Owner Look for in a Quality Coating Contractor?
Presented by Bernardo Duran, International Zinc Association; Alana Fossa, American Galvanizers Association; Mike Stroia, Commercial Metals Company; and Chad Martin, Great Western Joint Venture

Join this panel discussion to hear from leaders in the coating industry to see what facility and equipment owners look for in a quality coating job and in a contractor. The importance of quality work and correct specifications are hard to over-state given their impact on the life of the structure, facility, pipeline, etc. Use of proper surface preparation, application, and inspection techniques lead to work of the highest quality and extends the asset life while reducing project costs during the process by avoiding rework and other job nonconformances.
NEW! NEVER AGAIN SERIES
INDUSTRY-SPECIFIC COATINGS FAILURE CASE STUDIES

Featuring case studies on coatings failures and remedies, “Never Again” is a popular department in CoatingsPro Magazine. These well-read case studies are now featured in a new, multi-author e-book series from AMPP. Addressing both commercial and industrial coatings projects in various industries, the Never Again series spotlights coatings experts recalling their days in the field when they were faced with a problem, determined a cause, and developed a solution. Infrastructure and marine subject matter coatings experts share their experiences and insights in the first two books in the series.

Never Again: Infrastructure
Product number: 37660-e

Never Again: Marine Environment
Product number: 37659-e

Grab your copy at store.nace.org
Preparation for Your Certification Exam?
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- CP1 – Cathodic Protection Tester
- CP2 – Cathodic Protection Technician

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Visit the Certification Practice Page at naceinstitute.org/practice
Shop Painting vs. Field Painting of Steel Bridges—the Pros and Cons  
*Presented by Charles Brown, GPI*

The author looks at the recent trend of applying all three coats of paint in the shop vs. painting just the primer in the shop and touching up the primer and applying the other two coats in the field. The paper reviews the pros and cons of shop vs. field painting and touches on costs, underlying issues of shop vs. field painting, quality control, and repairs. The paper will also go over a recent job done in the shop and the problems that arose and what corrective action had to be taken in the field on a Maryland State Highway project.

Titanium Grade Selection and Design Considerations for Chemical Process Equipment  
*Presented by Chris Wilson, Uniti Titanium*

This presentation will focus on the design criteria to be considered when utilizing various grades of titanium and titanium alloys for use in the chemical processing industry for pressure vessels, heat exchangers, tanks, piping systems, or other ancillary equipment.

Bad Data, Bad Day: Stop Data Corrosion Before It Happens  
*Presented by David Gautier, American Innovations*

Data corrodes, just like pipelines do. The first step to combatting bad data is to identify its source. This short course explores common causes and sources of poor data, and best practices on how to fight back against bad data. The cathodic protection (CP) industry lags behind the technology curve driving so much innovation and growth in other industries. As pipeline operators adopt relevant technology for gathering and storing CP data, workflow efficiency has increased. But those technologies are not always fully leveraged to improve data quality. Our data corrodes just like pipelines. Internal and external forces can create pinholes within our data without us ever seeing a problem. This severely reduces data quality and ultimately leads to failures in analysis. Bad data comes from a number of sources: manual data entry errors, misalignment errors, lack of completeness and over-completion, data conversions, limitations of software applications, limitations of data models, and loading large batches of data and integration with other systems. There are several ways to combat the negatives associated with bad data: leveraging data capture technology, data validation at the point of capture, data normalization, application, data quality auditing, metadata, data provenance, and choosing the correct application.

In-Ground Service Performance of Two-Layer Polyethylene Corrosion Coatings Including Laboratory Aging and Exposed Coatings  
*Presented by Samuel Thomas, Liberty Coating Company*

This presentation will address the performance of two-layer polyethylene coatings for in-service gas distribution pipelines. The presentation will also share results of laboratory aging of two-layer polyethylene coatings for thermal and hydrolytic aging and include documented coating properties that were exposed to UV from one year to 21 years.

Corrosion is Wide Awake...Dreams or Nightmares for Industrial Hygiene?  
*Presented by Sylvia Fontes, CIH, Forensic Analytical Consulting*

This session will cover some of the basic health hazards associated with the coatings industry. These include silica, lead, beryllium, and methylene chloride. The basic OSHA regulations regarding health and safety will be reviewed to give the beginner in the coatings industry a basic foundation to ensure a safe and healthy work environment.
Pipeline Mechanical Protection Selection for Horizontal Directional Drilling Applications

Presented by Mario Moreno, SFL

Directional drill boring is a technique used to reduce the impact on the environment and as an alternative to open trench solution for pipeline installation. There is a regulatory gap in the selection of abrasion-resistant coatings for directional drill applications. This discussion will analyze the options, advantages, and disadvantages of the current practices and elaborate on potential avenues to create a clear guideline in the selection of mechanical protection for pipelines in horizontal directional drilling applications.

Intelligent Blasting—Where the Internet Meets the Blast Nozzle

Presented by Jim Gooden, BlastOne

Never before have you been able to sit in the office and see how much media is being used by each blaster, in real time. Now you can make adjustments and dial the media consumption so that you can keep the project on track, from your phone.

New Nozzle Developments to Massively Reduce the Noise from Blasting

Presented by Jim Gooden, BlastOne

Taking the nozzle back to the drawing board for the first time in decades found the huge drawbacks in nozzle design, which creates massive shocks and turbulence in the air flow as it travels through the nozzle. New imaging and photographic equipment allowed researchers to study the air flow and abrasive movement in real time at a level never undertaken before. This has allowed an entirely new technology to reduce blasting noise, with some additional unexpected, but very positive effects.

Benefits & Characteristics of Recyclable Abrasives

Presented by Kumar Balan, Ervin Industries

Recyclable abrasives such as steel shot and grit have been effectively used for cleaning and preparing steel surfaces. This discussion will focus on desirable characteristics of such abrasives and their proper use.

CoatingsPro’s 2022 Contractor Awards Program Celebration

CoatingsPro’s Contractor Awards Program is designed to showcase and recognize the projects and crews that demonstrate excellence in the field of high-performance commercial and industrial coatings. Award winners in seven categories—Commercial Concrete, Commercial Roof, Industrial Concrete, Industrial Steel, Specialty Project, Work It Safe, and Contractor/Crew MVP—will be announced on Wednesday, March 9th during the annual AMPP Conference + Expo.

AMPP Credentialing and Certification Forum

During this forum, information will be presented about AMPP credentialing, the certification development process, and how you can get involved. The presenters will cover topics such as:

- Differences between education and certification/credentialing
- Credentialing standards, development process for certification exams
- AMPP’s multi-tiered credentialing strategy, how you can get involved
- AMPP certification exam resources, benefits of computer-based testing
- Q&A

We are excited about this opportunity for discussions about credentialing at AMPP!
Protective Coatings Workshop

Tuesday, March 8 • 10 a.m. - 5 p.m. • Exhibit Hall

Want to stay current on the latest coatings developments and technologies available? AMPP is excited to announce the return of the Protective Coatings Workshop. This interactive workshop, designed for coatings applicators, inspectors, and contractors of all experience levels, will feature engaging discussion and presentations from coatings industry leaders, an introduction to new emerging technologies and techniques, and highlight best practices from experts. In addition, you will get the opportunity to network with fellow contractors, inspectors, and suppliers.

This year the program will focus on coatings in infrastructure and discuss the following topics:

- Corrosion under insulation
- Concrete—Surface preparation, inspection, coatings types, and flooring systems
- Passive fire protection
- Safety
- How to do business with the Department of Transportation
- Commercial painting sector
- Inspection of steel substrate—Cost, risk analysis, technology advances, and equipment
- Aerospace coatings
- Marine coatings
- New U.S. Infrastructure Bill
- Labor shortages

Don’t miss this unique opportunity expand your coatings knowledge and earn PDHs!

The Protective Coatings Workshop is supported by CoatingsPro Magazine, INSPECT This, and the Master Painters Institute.

CoatingsPro Magazine
INSPECT This
MASTER PAINTERS INSTITUTE
Thank You to Our Sponsors

as of 9/8/2021

Visit ace.ampp.org or contact sales@ampp.org for sponsorship opportunities.
Symposia by Day

MONDAY, MARCH 7

Advanced Protective Coating Technology—Day 1
This symposium features technical papers that cover the following themes: (1) rust creepage mechanism, (2) cathodic disbondment mechanism, (3) coating blister mechanism, (4) CUI coatings, (5) salt decontamination chemicals, (6) offshore coating evaluation methods, (7) offshore windmill coatings, (8) nanotechnology, and (9) passive fire protection.

Chair: Benjamin Chang  Vice Chair: Matt Dabiri

Advances in Materials for Oil and Gas Production—Day 1
This symposium features technical papers on present advances in materials technology and research for oil and gas. The focus is on new and improved metallic materials and applications. This includes consideration and evaluation of the material’s performance in its envisaged exposure environment. Papers may include on field experiences and failure analysis and mitigation through metallurgical innovative solutions.

Chair: Filippo Cappuccini  Vice Chair: Julio G. Maldonado

Biomedical Materials—Research in Progress (RIP)
This RIP symposium is seeking abstracts that cover advancements in the biomedical field with respect to corrosion, degradation, and biocompatibility. Topics of interest include, but are not limited to: emerging materials (e.g., biodegradable alloys), fretting corrosion (e.g., orthopedic joints), device interaction with the biological environment, implant retrieval analysis, novel corrosion evaluation methods, electrochemical techniques in biosensors and active implants, and surface treatments to inhibit infection and modulate degradation. Presentations will focus on recent advances in corrosion of implants and will span a wide range of product application areas such as cardiovascular, orthopedic, neurological, and dental devices.

Chair: Shiril Sivan Nagaraja  Vice Chair: Danieli Rodrigues

Coating Failures
This symposium features technical papers on protective coating failure analysis and guidance for diagnosing protective coatings failures for the industry.

Chair: Robert Lauer  Vice Chair: Mohamed Ahmida

Coatings and Corrosion Control for Storage Tanks—Day 1
This symposium features technical papers on the inspection, monitoring, coating, cathodic protection, VCI, and other innovative methods of corrosion management for aboveground storage tanks.

Chair: Khalil Abed  Vice Chair: Mohammed Alrudayni

Control of Corrosion in Oil and Gas with Inhibitors—Day 1
This symposium features technical papers on the study of the application of corrosion inhibitors and/or scale/deposit inhibitors and their mechanisms of inhibition.

Chair: Zineb Belarbi  Vice Chair: Pierre Mékarbané

Corrosion Issues in the Pulp, Paper, and Biomass Conversion Industries
This symposium features technical papers related to the pulp, papermaking, and biomass conversion processes. Topics can include new materials, case studies, or trends in corrosion issues in the industry.

Chair: Catherine Noble  Vice Chair: Matthew Tunnicliffe

Flow Assurance in Oil and Gas Productions—Day 1
This symposium features technical papers on flow assurance, which is critical for the safe, economic, and efficient oil and gas recovery and processing. This symposium will present the new advancements in understanding and technical solutions related to corrosion, scale and other oilfield chemistry issues in hydrocarbon production and transportation, covering modeling, laboratory investigations, and field case studies.

Chair: Qiwei Wang  Vice Chair: Zhengwei Liu
Fouling and Scaling in IWS: Mechanisms, Research Methods, and Control
This symposium features technical papers related to mechanisms of fouling and mineral scaling, traditional and novel research methodologies, modeling and monitoring approaches, real cases and failure analysis, as well as strategies to control fouling and scaling in industrial water systems (IWS). The IWS may include boiler, cooling, desalination, geothermal, oil and gas production, sugar processing, and wastewater treatment. Contributions on the impact of process variables such as temperature, pH, water quality, soluble and insoluble impurities, and suspended matter on the performance of water treatment additives such as scale inhibitors, dispersants, biocides, etc., may also be included. Papers may also include recent developments in removing scales from equipment surfaces.

Chair: Zahid Amjad  Vice Chair: Tao Chen

Improving Atmospheric Corrosion Simulation and Stimulation through Modeling and Controlled Exposures
This symposium features technical papers on the significant economic and social costs of atmospheric corrosion. Reducing these impacts requires, in part, an understanding of the physicochemical interactions between the environment and a material that result in the degradation of relevant properties, techniques to impede these interactions or minimize their effects, and engineering principles that apply a multidisciplinary approach to designing corrosion-resistant structures, transportation systems, or other high-value assets.

Chair: Sean Fowler  Vice Chair: Erica Macha

Localized Corrosion—Research in Progress (RIP)
This RIP symposium is seeking abstracts that cover fundamental studies of localized corrosion and cracking regardless of environment or material type. Topical phenomena of interest include, but are not limited to: pitting, stress corrosion cracking, corrosion fatigue, intergranular attack and crevice corrosion. Fundamental aspects of the on-going research including occluded chemistries, electrochemical techniques, metallurgical influences, and mechanistic initiation/propagation studies are of particular interest. Prevention strategies of localized corrosion and cracking will also be considered if they do not fall within another session domain. Laboratory experimentation, computational modeling, and environment-specific case studies are welcome. Submissions should include the most recent results, accomplishments, and/or theories.

Chair: Jason Lee  Vice Chair: Brendy Rincon Troconis

Marine Coatings and Corrosion
This symposium features technical papers on marine coatings along with other protective measures for marine structures such as sea ports, offshore oil rigs, wind mills, commercial ships, and oil tankers.

Chair: Abdulhameed Al-Hashem  Vice Chair: Moavin Islam

Mechanisms of Localized Corrosion—Day 1
This symposium features technical papers that discuss mechanisms, traditional and novel research methodologies, modeling and monitoring approaches, real cases, and failure analysis, as well as strategies to control localized corrosion.

Chair: Mariano Kappes  Vice Chair: Helmuth Sarmiento Klapper

Multi-functional Coatings—Research in Progress (RIP)
This RIP symposium will cover sustainable corrosion protection provided by multifunctional corrosion-resistant coatings. A multifunction/multiscale design of such coatings requires working out elaborate processing (manufacturing), internal structures, and chemical compositions. Surface coatings enhance the material performance and lifetime by providing protection from harsh environments such as high temperature, oxidizing and corrosive species, and/or erosive environments. This session includes presentations on the processing, materials characterization, and performance of coatings produced by a wide variety of functionalities (barrier, sacrificial, inhibition, self-healing, hybrid, etc.) that encompass different manufacturing routes (including traditional and additive manufacturing).

Chair: Homero Castaneda
Symposia by Day

Pipeline Crossings: Steel-Cased, Thrust-Bored, and HDD
This symposium features technical papers on road, railroad, river, wetland, etc., crossings by directional drilling, thrust boring, casing, and HDD-type pipeline crossings, etc. Techniques, cathodic protection, coatings, best practice, construction challenges, etc., are included.

Chair: Michael Snow  Vice Chair: Cay Strother

Pipeline Integrity—Day 1
This symposium features technical papers on all aspects of pipeline integrity that can include pipeline integrity management, inspection, assessment, mitigation, operational aspects, regulatory issues, present and upcoming technologies, methods, experiences, and case studies, be it new technologies, new inspection methodologies, or new analyses.

Chair: Tod Barker  Vice Chair: Matt Ellinger

Real Time Corrosion Monitoring for Process Applications: Technology, Experiences, Case Studies—Day 1
This symposium features technical papers on real time corrosion monitoring with an emphasis on advances in technology, user experience, or case studies. All of the various techniques of real time monitoring may be presented.

Chair: Xiaoji Li  Vice Chair: Evan Huang

Advanced Protective Coating Technology—Day 2

Chair: Benjamin Chang  Vice Chair: Matt Dabiri

Advanced Analytical Techniques—Research in Progress (RIP)
This RIP symposium will cover recent advances made in understanding corrosion using state-of-the-art electroanalytical techniques and also other “real time” or in situ characterization techniques. The topics of interest include corrosion studies using electroanalytical methods such as scanning electrochemical microscopy, scanning vibrating electrode technique, scanning kelvin probe force microscopy, scanning droplet cell microscopy, and local electrochemical impedance spectroscopy. This session will also cover “real time” spectroscopic methods used in corrosion monitoring such as online inductively coupled plasma-atomic emission spectroscopy and in situ corrosion investigations using either optical, x-ray or electron-based methods.

Chair: Rajeev Gupta  Vice Chair: Joey Kish

Advances in Materials for Oil and Gas Production—Day 2
This symposium features technical papers on present advances in materials technology and research for oil and gas. The focus is on new and improved metallic materials and applications. This includes consideration and evaluation of the material’s performance in its envisaged exposure environment. Papers on field experiences, failure analysis, and mitigation through metallurgical innovative solutions may be included.

Chair: Filippo Cappuccini  Vice Chair: Julio G. Maldonado

Coating Application
This symposium features technical papers on various application methods that include coating concrete, electrostatic spray, pipeline coatings, plural components, powder coatings, thermal spray, and waterjetting.

Chair: Ahmad RK Rana  Vice Chair: Mohamed Ahmida
Coatings and Corrosion Control for Storage Tanks—Day 2
This symposium features technical papers on the inspection, monitoring, coating, cathodic protection, VCI, and other innovative methods of corrosion management for aboveground storage tanks.

Chair: Khalil Abed  Vice Chair: Mohammed Alrudayni

Control of Corrosion in Oil and Gas with Inhibitors—Day 2
This symposium features technical papers on the study of the application of corrosion inhibitors and/or scale/deposit inhibitors and their mechanisms of inhibition.

Chair: Zineb Belarbi  Vice Chair: Pierre Mékarbané

Corrosion of Reinforced Concrete Structures (in Memoriam of Prof. Jose Antonio Gonzalez)—Research in Progress (RIP)
This RIP symposium will cover the overall aspects of corrosion of steel in concrete as regards building, construction, architecture, and infrastructure including reinforced concrete structures, offshore and onshore infrastructure, bridges, and concrete pipelines. Different aspects of corrosion of steel in concrete will be covered including pitting corrosion, uniform corrosion, chloride corrosion threshold, carbonation influenced corrosion, new cementitious materials, new geopolymer concrete, fly ash concrete corrosion, stress corrosion cracking, fatigue corrosion, weld joints corrosion, corrosion inhibitors, electrochemical chloride removal, electrochemical realkalinization, new corrosion monitoring techniques, modeling, and simulation.

Chair: David Bastidas  Vice Chair: Nick Birbilis

Environmentally Assisted Cracking—Research in Progress (RIP)
This RIP session will focus on all aspects of environment-assisted cracking, with a specific focus on, but not limited to, cracking of stainless steels, magnesium, aluminum, and nickel alloys. Studies related to the resistance of materials to the initiation and growth of cracks during stress corrosion cracking and corrosion fatigue are encouraged. In addition, studies related to the development of novel techniques to monitor crack initiation and growth, including, pit-to-crack transition, testing protocols/environments, and life prediction models are welcomed. The focus should be on the most current results and research in progress.

Chair: Sebastian Thomas  Vice Chair: Rebecca Schaller

Flow Assurance in Oil and Gas Productions—Day 2
This symposium features technical papers on flow assurance, which is critical for the safe, economic, and efficient oil and gas recovery and processing. This symposium will present the new advancements in understanding and technical solutions related to corrosion, scale, and other oilfield chemistry issues in hydrocarbon production and transportation, covering modeling, laboratory investigations, and field case studies.

Chair: Qiwei Wang  Vice Chair: Zhengwei Liu

Geothermal Scaling and Corrosion
This symposium features technical papers on geothermal system scaling and corrosion. The aim is to promote discussion of scaling and corrosion in geothermal energy systems. Papers are sought that provide insight on the impact of production, process and reinjection conditions on materials, and process efficiency. Descriptions of research activities, failure analysis, and successful implementation of new technologies may be included.

Chair: Sigrun Karlsdottir  Vice Chair: Keith Lichti

Hydrogen Embrittlement and Stress Corrosion Cracking in Subsea Materials
The symposium features technical papers on the research and development of novel oil and gas or subsea applications involving the evaluation of materials for their susceptibility to hydrogen embrittlement by cathodic protection, and galvanic interactions or from other contributory sources of hydrogen where hydrogen sulfide (H₂S) is not believed to be the primary contributor to the mechanism damage and cracking.

Chair: Sai Venkateswaran  Vice Chair: Mohammed Muaisub
Symposia by Day

Materials and Cost of Corrosion
This symposium features technical papers concerning the economic impact of corrosion and its implications on the global economy. Topics may include life cycle cost analysis, the cost of corrosion failure, and case studies that address a project’s return on investment as a performance measurement.

Chair: Barinder Ghai    Vice Chair: Sandra Le Manchet

Mechanisms of Localized Corrosion—Day 2
This symposium features technical papers that discuss mechanisms, traditional and novel research methodologies, modeling and monitoring approaches, real cases and failure analysis, as well as strategies to control localized corrosion.

Chair: Mariano Kappes    Vice Chair: Helmuth Sarmiento Klapper

Microbiologically Influenced Corrosion—Day 1
This symposium features technical papers on how corrosion in the natural world is concomitant with biological processes due to the ubiquity of microorganisms. Advances in metagenomics has provided unprecedented exploration of microbial fauna where previous investigations were constrained by challenges of culturing or enigmatic relationships between microbe function to the overall corrosion influencing community processes. Papers presented during this symposium will explore and explain hard-won learnings in this realm of study.

Chair: Jason Lee    Vice Chair: Torben Lund Skovhus

Military Coatings and Corrosion
This symposium includes technical papers and research on identification, causes, and control of corrosion and materials degradation for military air, ground, and ship systems, as well as electronic systems, support equipment, and infrastructure.

Chair: Patrick Cassidy    Vice Chair: Charles White

Offshore and Marine Cathodic Protection—Case Studies, New Technology, and Subsea Inspection Techniques
This symposium features technical papers that promote and inform the offshore and marine cathodic protection (CP) industry with new or novel CP designs, new technology, or interesting challenges/solutions. Subsea inspection techniques and monitoring technology are also of particular interest. Case studies generally provide good insight and data for new and retrofit CP designs. With the decline in oil and gas and emerging renewables, this symposium focuses on CP for all marine and offshore assets, fixed or floating and offshore pipelines. Papers will be novel, challenging, or safety related.

Chair: Alex Delwiche    Vice Chair: Jorge Suarez

Pipeline Integrity—Day 2
This symposium features technical papers on all aspects of pipeline integrity that can include pipeline integrity management, inspection, assessment, mitigation, operational aspects, regulatory issues, present and upcoming technologies, methods, experiences, and case studies, be it new technologies, new inspection methodologies, or new analyses.

Chair: Tod Barker    Vice Chair: Matt Ellinger

Real Time Corrosion Monitoring for Process Applications: Technology, Experiences, Case Studies—Day 2
This symposium features technical papers on real time corrosion monitoring with an emphasis on advances in technology, user experience, or case studies. All of the various techniques of real time monitoring are welcomed.

Chair: Xiaoji Li    Vice Chair: Evan Huang
Recent Experiences with Nickel, Titanium, Zirconium and Other Corrosion-Resistant Alloys
This symposium features technical papers related to the practical use and experience with corrosion-resistant alloys, including nickel base, titanium, zirconium, and other corrosion-resistant alloys.
Chair: Ralph Bässler  Vice Chair: Ajit Mishra

Refining Industry Corrosion
This symposium features technical papers on corrosion and material issues within the refining industry. Topics will explore case histories, materials/coatings performance, corrosion mechanisms, failure analysis, etc.
Chair: Abbey Wing  Vice Chair: Joe Yin

AC Interference, AC-Induced Corrosion, AC Risk Assessment, Monitoring, and Mitigation Details
This symposium features technical papers on alternating current (AC) interference on buried pipelines, AC-induced corrosion, AC risk assessment, monitoring, and mitigation.
Chair: Shane Finneran  Vice Chair: Casey Heinrich

Anodic and Cathodic Protection—Day 1
This symposium includes technical papers regarding anodic and cathodic protection papers on ferrous materials in pipeline, oil, gas, and water systems.
Chair: Daniel Fingas  Vice Chair: Spencer Easthope

Bridge and Infrastructure Coatings & Corrosion—Day 1
This symposium features technical papers on methodologies to improve the service life of materials and structures in infrastructure, transportation, and utilities industries. Work that covers new developments and solutions for pre-stressed and post-tension reinforced concrete structures as well as updates to existing systems may be included.
Chair: Eyad Alhariri  Vice Chair: Christopher Alexander

Coating Inspection
This symposium features technical papers on the proper methods of inspection for surface preparation and installation of protective coatings and lining systems on an array of industrial structures and facilities.
Chair: Lake Barrett  Vice Chair: Charles Brown

Corrosion in Supercritical Systems
This symposium features technical papers that address the measurement or assessment of corrosion in any supercritical system, including supercritical water and supercritical carbon dioxide. Papers may be of a research or industrial nature.
Chair: Xi Wang  Vice Chair: Bjorn Morland

Corrosion Management—Day 1
This symposium is seeking technical papers on recent corrosion management implementations, lessons learned for these, and the development of new corrosion management philosophies.
Chair: Hendrik Debruyn  Vice Chair: Brian Burgess

Corrosion Mitigation and Coatings in Extreme Environments
This symposium features technical papers on coatings and corrosion technology that can provide solutions for exceptionally difficult environments that include high UV, salt, or moisture exposures. Papers may also address other environments including the arctic, where temperatures are not conducive to transport, storage, application, and curing of coatings.
Chair: Rebekah Wilson  Vice Chair: Brooke Divan
Symposia by Day

Direct Assessment
This symposium features technical papers covering new technologies, methods, as well as case studies and histories in the area of external corrosion, internal corrosion, and stress corrosion cracking by way of direct assessments.

Chair: Jorge Vasquez  Vice Chair: Zineb Belarbi

Electrical Transmissions, Renewables, and Energy Transition Industries
This symposium features technical papers on corrosion causes, issues, studies, experiences, and/or management practices, including coatings on steel structures and their related components in the power and renewable industry. Exposures include below grade, transition zone, and atmospheric corrosion of weathering, galvanized, and other coated steel structures.

Chair: Ryan Buchs  Vice Chair: Jon Brasher

Environmental Assisted Cracking—Day 1
This symposium features technical papers related to understanding of all EAC mechanisms in various industries and applications, including but not limited to hydrogen embrittlement, stress corrosion cracking, corrosion fatigue, HTHA, and so on. The papers can cover metals, polymers, ceramics, composites, effects of materials processing methods and environmental parameters, root cause failure analysis in service, lab testing methods, materials modeling, industry standards development, state-of-art EAC research reviews, and so on.

Chair: Steven Shademan  Vice Chair: Fei Tang

Inhibitors—Vapor Transported and Surface Coated Rust Preventatives
This symposium features technical papers on volatile corrosion inhibitor (VCI) materials that are widely used to provide temporary corrosion protection for the surfaces of ferrous and non-ferrous metal parts. “Temporary” refers to conditioning the environment enclosing the metal parts for a period, usually months to years, before the parts are put into their ultimate use, or before a “permanent” coating such as paint is applied. VCI materials compete with alternative temporary corrosion protection methods that include oils, greases, and waxes, sometimes called rust preventative. This symposium will disseminate information about new chemicals, products, and applications of vapor-transported, liquid, and surface-applied corrosion inhibitors.

Chair: Sujay Math  Vice Chair: Charles Phillips

Microbiologically Influenced Corrosion—Day 2
This symposium features technical papers on how corrosion in the natural world is concomitant with biological processes due to the ubiquity of microorganisms. Advances in metagenomics has provided unprecedented exploration of microbial fauna where previous investigations were constrained by challenges of culturing or enigmatic relationships between microbe function to the overall corrosion influencing community processes. Papers presented during this symposium will explore and explain hard-won learnings in this realm of study.

Chair: Jason Lee  Vice Chair: Torben Lund Skovhus

New Approaches to Lifetime Prediction—Research Technical Symposium (RTS)
This RTS symposium will showcase invited papers on various deterministic and probabilistic approaches to life prediction of corroducible systems. The papers will cover modeling approaches from macro to nano-scale in a range of industrial applications, including nuclear power, radioactive waste disposal, oil and gas production, storage, and transportation, infrastructure, defense, and fossil and renewable power generation.

Chair: Narasi Sridhar  Vice Chair: Chris Taylor

Non-Metallics for Chemical and Mineral Processing and Oil and Gas Production
This symposium features technical papers on the performance of non-metallic materials used in relation to the production of oil and gas in onshore and offshore environments. These materials can include elastomers, composites, organic coatings, linings (for tubular structures for example), and polymeric materials for structural products.

Chair: Michael Stevens  Vice Chair: Marilee Coleman
Recent Experiences with Austenitic and Duplex Stainless Steels—Day 1
This symposium features technical papers on recent experiences with stainless steels. The focus is on end user experiences from the process industries such as chemical processing, pulp and paper, oil and gas, desalination, pharmaceutical, and power generation. Topics include success, failures, material selection, fabrication, new developments, and sustainability.
Chair: Lena Wegrelius  Vice Chair: Nicole Kinsman

Sweet and Sour Corrosion in Oil and Gas—Day 1
This symposium features technical papers on corrosion-related topics that stem from the presence of carbon dioxide (CO₂) and hydrogen sulfide (H₂S) in oil and gas production operations. The forum will look at advancements in the areas of understanding of the corrosion mechanisms, development of prediction models, monitoring, and inspection technologies.
Chair: Sandra Hernandez  Vice Chair: Krista Heidersbach

THURSDAY, MARCH 10

Anodic and Cathodic Protection—Day 2
This symposium includes technical papers regarding anodic and cathodic protection papers on ferrous materials in pipeline, oil, gas, and water systems.
Chair: Daniel Fingas  Vice Chair: Spencer Easthope

Bridge and Infrastructure Coatings & Corrosion—Day 2
This symposium features technical papers on methodologies to improve the service life of materials and structures in infrastructure, transportation, and utilities industries. Work that covers new developments and solutions for pre-stressed and post-tension reinforced concrete structures as well as updates to existing systems may be included.
Chair: Eyad Alhariri  Vice Chair: Christopher Alexander

Characterization and Performance of High Temperature Materials/Coatings for Industrial Applications in Refining, Petrochemical, and Power Generation Industries
This symposium features technical papers on the characterization and performance of high temperature materials and coatings for industrial applications in refining, petrochemical, and power generation industries. Work on material development, properties, testing and characterization, corrosion, and performance may be included.
Chair: William L. Valerioti  Vice Chair: Bingtao Li

Corrosion of Additively Manufactured Materials
This symposium features technical papers that address the corrosion-related issues of additively manufactured (AM) materials, mainly metals. In contrast to conventional processes, additive manufacturing processes and post-processing treatments result in unique microstructures and material surfaces that alter the corrosion performance. Subjects include but are not limited to: process-structure-performance relationships, post-processing treatments and surface finish, corrosion mechanism of AM materials, AM material degradation in corrosive environments, AM materials selection and applications, AM qualification and certification, integrity or risk analysis and assessment, etc.
Chair: Emerson Nunez  Vice Chair: Robert Mason

Corrosion in Nuclear Systems
This symposium features technical papers on materials-related issues encountered in the generation of nuclear power energy in light, heavy, and advanced nuclear power reactors and plants. This can include degradation mechanisms for materials and components in service. Materials manufacturing and materials development techniques for current and advanced materials for nuclear power generation, including areas like additive or other advanced manufacturing techniques, may be included. Papers may also focus on materials issues related to long-term plant operations and nuclear waste.
Chair: Sheewa Feng  Vice Chair: Sandeep Chawla
Symposia by Day

**Corrosion Management—Day 2**
This symposium is seeking technical papers on recent corrosion management implementations, lessons learnt for these, and the development of new corrosion management philosophies.

*Chair: Hendrik Debruyn  Vice Chair: Brian Burgess*

**Environmental Assisted Cracking—Day 2**
This symposium features technical papers related to understanding of all EAC mechanisms in various industries and applications, including but not limited to hydrogen embrittlement, stress corrosion cracking, corrosion fatigue, HTHA, and so on. The papers may cover metals, polymers, ceramics, composites, effects of materials processing methods and environmental parameters, root cause failure analysis in service, lab testing methods, materials modeling, industry standards development, state-of-the-art EAC research reviews, and so on.

*Chair: Steven Shademan  Vice Chair: Fei Tang*

**Materials and Integrity in Oil Sands**
This symposium features technical papers on the oil sands industry from owner-operators, vendors, consultants, and researchers. Area of interest include (but are not limited to) corrosion, failures, wear, process, material selection, asset integrity, and steam-assisted gravity drainage, down-hole, mining, and other surface equipment/facilities.

*Chair: Duane Serate  Vice Chair: Matt Krantz*

**Progress in Laboratory Testing of Corrosion Inhibitors for Oil Field Applications**
This symposium features technical papers on the following issues: Novel techniques and methodologies for evaluation of corrosion inhibitors in the lab, lessons learned—practical aspects and challenges encountered when using established evaluation methods and techniques, factors affecting quality of laboratory data, challenges associated with quantitative evaluation of localized corrosion, development of formulations for high-temperature corrosion, and challenges and gaps in lab-field transference.

*Chair: Bruce Brown  Vice Chair: Juan Dominguez Olivo*

**Recent Experiences with Austenitic and Duplex Stainless Steels—Day 2**
This symposium features technical papers on recent experiences with stainless steels. The focus is on end user experiences from the process industries such as chemical processing, pulp and paper, oil and gas, desalination, pharmaceutical, and power generation. Topics include success, failures, material selection, fabrication, new developments, and sustainability.

*Chair: Lena Wegrelius  Vice Chair: Nicole Kinsman*

**Surface Preparation**
This symposium features technical papers on the appropriate tools and preparation methods prior to coatings application. Topics may include solvent cleaning, hand-tool cleaning, power-tool cleaning, abrasive blast cleaning, waterjetting, recognizing and repairing surface imperfections, recognizing and removing surface contaminants, and assessing surface cleanliness. Work that covers water-soluble salts and their impacts at the substrate/coating interface that can cause premature failure may also be included.

*Chair: Loren Hatle  Vice Chair: Taylor Nguyen*

**Sweet and Sour Corrosion in Oil and Gas—Day 2**
This symposium features technical papers on corrosion-related topics that stem from the presence of CO2 and H2S in oil and gas production operations. The forum will look at advancements in the areas of understanding of the corrosion mechanisms, development of prediction models, monitoring, and inspection technologies.

*Chair: Sandra Hernandez  Vice Chair: Krista Heidersbach*
Thermal and Cold Spray Coatings
This symposium features technical papers on all aspects of thermal and cold spray coatings used to mitigate corrosion of metallic and reinforced concrete structures with a specific focus on (but not limited to) surface preparation, coating consumable selection, spray method selection, spray parameter development, in-line quality and inspection, testing and qualification, operational experience, cost reduction, maintenance, and repair. The subjects to be covered include results of basic and applied research on thermal spray processes and coating materials, including field experience on thermal spray coatings, materials, and processes and strategies for corrosion control. Papers on thermal spray coatings of zinc, aluminum, and their alloys for corrosion mitigation with relevant field applications, and conventional and novel thermal and cold spray coating systems used to prevent corrosion on metal and reinforced concrete structures in all offshore and onshore environments may be included.

Chair: Shiladitya Paul  
Vice Chair: Martin Gagne

Water and Wastewater System Challenges and Solutions
This symposium features technical papers on corrosion issues seen in water treatment systems for industrial, commercial, and institutional facilities.

Chair: Carlos Palacios  
Vice Chair: Diana Miller

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www.ampp.org

MATERIALS PERFORMANCE: VOL. 60, NO. 10  
OCTOBER 2021
Networking Activities

SATURDAY, MARCH 5

AMPPCares Volunteer Day
AMPP's members team up to volunteer at a local organization (TBD), providing the local community with a sustainable activity to its development and care. Check out our Volunteer Page for more details: www.nace.org/get-involved/volunteeropportunities.

Crew Brew
6 to 10 p.m. • Pat O'Brien's
Welcome to San Antonio and the first AMPP Annual Conference + Expo! Join your fellow attendees at Pat O' Briens, located near the famous San Antonio Riverwalk. This popular networking event is a great way to make connections before the conference starts and have some fun. A limited number of tickets can be purchased in advance for $25 and includes a drink ticket, heavy hor d'oeuvres, and exciting entertainment. Tickets can be purchased when you register online.

Sponsored by

SUNDAY, MARCH 6

Spring Golf Tournament
8:30 a.m. to 3:30 p.m. • The Quarry Golf Course
On the heels of the Darrel D. Byerley Memorial Golf Tournament and the Phil Calvo Memorial Golf Tournament, AMPP is excited to announce the continuation of an annual golf event!
Start your busy week off with a fun and relaxing round of golf, while networking with other conference attendees and industry professionals. Chiseled from stone, this historic course boasts amazing playing conditions, a natural wildlife habitat, and one of the most unique golf experiences in the U.S.
Teams or individual players can sign up with their conference registration. For questions or information on sponsorship opportunities, please contact Heather Lowry at +1 281-228-6205 or heather.lowry@ampp.org.

Guest Reception
2 to 5 p.m. • Grand Hyatt
This networking reception for registered Guest Program participants is a great opportunity to connect with other Guest Program participants over light hor d'oeuvres and drinks.

Opening Reception
5:30 to 7 p.m. • Henry B. Gonzalez Convention Center
The Opening Night Reception kicks off AMPP's Annual Conference + Expo, as attendees and exhibitors interact over drinks and hors d'oeuvres. Drink tickets will be provided at registration. This reception is cosponsored by Carboline and AMPP. The two organizations are bound together by a common vision of corrosion prevention, environmental preservation, and education.

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Coatings • Linings • Fireproofing

AMPP
**MONDAY, MARCH 7**

**EMERG Student Meeting**

3:30 to 5 p.m. • Henry B. Gonzalez Convention Center

Discuss career development opportunities, current industry topics, innovations, issues, and trends while networking and making connections with a diverse group of students and young professionals from around the world.

**Silent Auction**

Monday, March 7—Wednesday, March 9  
Exhibit Hall, Henry B. Gonzalez Convention Center

Take a break from the action in the exhibit hall and browse the wide variety of items and collectibles available at the silent auction. Items will be on display and open for bidding during conference hours through 4 p.m. on Wednesday, March 9.

Proceeds will benefit the EMERG Student Outreach Program in our efforts to open doors to new opportunities for students and veterans through a variety of new engagement programs. This new program is designed to raise awareness of career paths in the materials protection field.

**TUESDAY, MARCH 8**

**Fellow’s Breakfast**

7 to 8:30 a.m. • Henry B. Gonzalez Convention Center

Fellows will have a work meeting breakfast to network and welcome the 2021 Fellow Honor recipients during the 2022 AMPP Annual Conference + Expo. If you are a Fellow and are interested in participating, please contact Ingrid Furtado at Ingrid.furtado@ampp.org for more information.

**Headshot Station**

8 a.m. to 5 p.m.

Did you know that LinkedIn profiles with headshots get 21 times more views than profiles without a photo? A professional headshot doubles your chances of getting noticed or hired! Stop by the Headshot Station to update your look and professional profile.

This is your opportunity to update your LinkedIn profile or web page bio (personal, corporate, non-profit) and make a lasting first impression!

Sponsored by

**Career Fair**

8 a.m. to noon

Whether you are a student, new to the industry, or a corrosion expert, take advantage of the Career Fair. Our goal is to assist you with your career and recruitment needs.

Job seekers—find your dream job and connect with registered employers.

Employers—register for an exhibit booth today to recruit your dream candidate.

For more information, or to register for a table, contact Christine Lajzo at christine.lajzo@ampp.org.
Scholarship Awards and EMERGing Leaders Bash: Celebrating Generation Next

7 to 8 p.m.—Scholarship Awards Ceremony
8 to 11 p.m.—The Grooves Band/Dancing
Aztec Theater

Continuing the traditions of two great organizations, AMPP supports the future of our industry with an evening of recognition and celebration, acknowledging the accomplishments of our 2022 scholarship and award recipients.

Individual tickets are $75 and may be purchased with your conference registration. For more information on sponsorship opportunities, contact Heather Lowry at +1 281-228-6205 or heather.lowry@ampp.org.

* To attend the Scholarship Awards Ceremony, you must have an EMERGing Leaders Bash ticket. Student registrants for AMPP receive a complimentary event ticket with their conference registration. Conference shuttles will be available for guests’ transportation needs. Limited hosted bar.

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EMERG Student Camp

10 a.m. to 3:30 p.m. • Henry B. Gonzalez Convention Center

A day-long mini-camp for local high school students will be held in conjunction with AMPP 2022. Local students from San Antonio area high schools will participate in hands-on, coatings and corrosion-related activities using cKits™ (Corrosion Toolkits). They will learn basic scientific principles of corrosion in topics such as oxidation, thermodynamics, and electrochemistry. Students will also have the opportunity to learn about research and career opportunities from industry professionals and university students while touring the AMPP 2022 show floor.

Volunteers are needed. For information on how you can get involved, contact Brandy Adams at +1 281-228-6478 or brandy.adams@ampp.org.

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cKit™ Training for Chapters

3:30 to 5 p.m. • Henry B. Gonzalez Convention Center

Chapter leaders and members are invited to a drop-in event to be introduced to the cKit™ (Corrosion Toolkit) and the experiments included in it. There will be experiments on display, along with two master instructors to help guide you through the kits, how they can be used locally in your community, and how to help conduct the experiments. Please reserve some time on your AMPP 2022 calendar! For more information, contact Brandy Adams at +1 281-228-6478 or brandy.adams@ampp.org.

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Honoree Night

6 to 10 p.m. • Grand Hyatt

AMPP invites you to an evening of celebration as the association’s awards are presented in recognition of members who have made outstanding contributions to AMPP and the corrosion control industry. Taking place at Grand Hyatt in San Antonio, guests will enjoy a relaxing evening of networking, heavy hors d’oeuvres, and entertainment. Please contact us about sponsorship opportunities. Tickets are available online or by contacting customersupport@ampp.org. Space is limited, so it is recommended that you purchase your tickets in advance.
NEW—AMPP Connect

GET ONE-ON-ONE MEETINGS WITH THE NEW AMPP CONNECT

The first ever AMPP Annual Conference + Expo, combining the best of NACE International’s CORROSION conference and SSPC’s Coatings+ conference, brings new opportunities to create customers in addition to your traditional exhibit. The new AMPP Connect program taking place during the event is an exclusive networking event opportunity for AMPP exhibitors (sellers) to have one-on-one meetings with potential new customers (buyers) to help create instant business relationships. This program consists of face-to-face, pre-arranged meetings between leading providers of cathodic protection products and services and vetted and qualified buyers interested in meeting with sellers of these products and services.

As a seller, participating in AMPP Connect allows you to:

- Meet one-on-one with up to 15 vetted and qualified buyers for 15-minute meetings.
- Receive contact information of all participating buyers to help make connections before, during, and after the event.
- Opportunity to network with participants throughout the conference. Get guaranteed access to qualified potential customers by participating as a seller in AMPP Connect.

In order to qualify as a seller, you must meet the following requirements:

- Must be an exhibitor involved in cathodic protection services, equipment, etc. For our first year of this program, we are focusing on cathodic protection but do have plans to expand to other categories in the future.
- Must supply no more than two representatives (and have at least one) for the meetings. If a representative does not already have a registration as part of their booth allotment, they will receive an exhibit hall only registration.
- Must meet deadlines to select buyers for meetings.
- Must agree to not share the information provided in the buyer profiles with anyone outside of the seller’s company.

Are you ready to meet one-on-one with pre-qualified buyers?
Learn more about this exciting program at ace.ampp.org or contact Sales at sales@ampp.org.

Stock up on your corrosion and coatings resources TODAY!

Explore the AMPP Store at ampp.org/resources/store
HIGH ROLLIN’
FOR A HARLEY!

How the contest works:

1. Attendees will have to visit all High Rollin’ for a Harley Sponsors’ booths to collect a playing card from each sponsor.

2. Once they have collected all of the cards from all of the sponsors, they will submit the entry form to the location of the Harley on the show floor.

3. The drawing will be held on Wednesday at 4 p.m.

Sponsored by:

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Thank You

NACE—Diamond Corporate Members

AB Sandvik Materials Technology
Accurate Corrosion Control
BP Exploration & Production Operating Co., Ltd.
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Bureau Veritas Services
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Denso North America
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E2G The Equity Engineering Group, Inc.
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Henkels & McCoy, Inc.
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Kuwait Oil Co.
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Marathon Pipeline, LLC
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Polyguard Products, Inc.
PPG Coatings (Kunshan) Co., Ltd.
PPG Industries, Inc.
Rabigh Refining and Petrochemical Co.
Research Institute of Lanzhou PetroChemical Co.
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Sherwin-Williams Co.
Shinko Co., Ltd.
Southern California Gas Co.
Turner Industries Group, LLC

SSPC—Industrial Affiliate Organizational Members

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Shinko Co., Ltd.
Soil & Materials Engineers, Inc.
Tnemec Co., Inc.
Transocean Coatings
## The Exhibition

### Expo Schedule

Monday, March 7 ........................................... 5 to 7 p.m. (Expo Grand Opening)
Tuesday, March 8 ........................................ 10 a.m. to 5 p.m. (noon to 2 p.m.)
Wednesday, March 9 .................................... 10 a.m. to 5 p.m. (3 to 5 p.m.)

### Expo Events

**Monday, March 7**
- Cathodic Protection (CP) Field .......................................................... 5 to 7 p.m.
- Coatings Experience ........................................................................... 5 to 7 p.m.
- Expo Grand Opening* ................................................................. 5 to 7 p.m.
- Silent Auction Bidding ................................................................. 5 to 7 p.m.
- Student Poster Session ................................................................. 5 to 7 p.m.

**Tuesday, March 8**
- CP Field ......................................................................................... 10 a.m. to 5 p.m.
- Coatings Experience ........................................................................ 10 a.m. to 5 p.m.
- Complimentary Lunch (full conference attendees only) ................... 11:45 a.m. to 1 p.m.
- AMPP Theaters .................................................................................. 10:30 a.m. to 5 p.m.
- Silent Auction Bidding ....................................................................... 10 a.m. to 5 p.m.
- Protective Coatings Workshop ....................................................... 10 a.m. to 5 p.m.
- Student Poster Session .................................................................... noon to 1 p.m.

**Wednesday, March 9**
- CP Field ........................................................................................ 10 a.m. to 5 p.m.
- Coatings Experience .......................................................................... 10 a.m. to 5 p.m.
- EMERG Student Camp .................................................................... 10 a.m. to 4 p.m.
- AMPP Theaters ................................................................................ 10:30 a.m. to 5 p.m.
- Silent Auction Bidding ....................................................................... 10 a.m. to 4 p.m.
- Student Poster Session Winners Announced ................................. 12:30 p.m.
- Harley Giveaway ............................................................................. 4 p.m.

*Please note: Due to laws/liabilities, no one under the age of 18 will be given access to the Exhibit Hall during the Expo Grand Opening on Monday, March 7.

### Cathodic Protection Field

Check out the field testing exhibit on the show floor—an actual representation of a cathodic protection (CP) field with the opportunity for hands-on activities. Perform several CP-related tests at the field testing exhibit and learn from industry experts who will be available to answer questions or discuss CP problems you may have.

This is your opportunity to gain hands-on experience by performing tasks such as:
- CP interference
- Alternating current voltage mitigation
- Electrical isolation testing and short locating

### The Coatings Experience

Join us on the Exhibit Hall floor for The Coatings Experience. This interactive area will introduce those interested in coatings to the ins and outs of application, surface preparation, inspection plans, and coatings selection in a fun and interactive way!

### Protective Coatings Workshop  
**Tuesday, March 8 • 10 a.m. to 5 p.m. • Exhibit Hall**

Want to stay current on the latest coatings developments and technologies available? AMPP is excited to announce the return of the Protective Coatings Workshop. This interactive workshop, designed for coatings applicators, inspectors, and contractors of all experience levels, will feature engaging discussion and presentations from coatings industry leaders, an introduction to new emerging technologies and techniques, and highlight best practices from experts. In addition, you will get the opportunity to network with fellow contractors, inspectors, and suppliers. For more information, see page A28.
Dairyland Lounge
Get this year’s hottest souvenir—a commemorative t-shirt that is printed live in the Dairyland Lounge (#2563). While you’re there, learn how Dairyland is working to make the world a safer place through their Live Engaged initiative. Don’t miss out!
Sponsored by:

High Rollin’ for a Harley Giveaway
We are giving away a Harley Davidson, and this is YOUR chance to win! Visit each High Rollin’ for a Harley sponsor at AMPP Annual Conference + Expo to collect a playing card from each sponsoring booth. Once all playing cards have been collected, hightail it over to the Harley on the Exhibit Hall floor, and complete the submission card to enter to win. The winner will be announced Wednesday in the Exhibit Hall.
Sponsored by:

Product Showcase
Be sure to stop by AMPP’s Product Showcase to see the latest innovations and new products from our exhibiting companies. The Product Showcase is your first look at the industry’s cutting-edge technology and includes product descriptions along with the exhibiting company’s booth number. The Product Showcase will be located at the entrance to the Exhibit Hall.
For interested exhibitors, please contact Roberta Arnold by phone at +1 281-228-6286 or email roberta.arnold@ampp.org.

Student Poster Display
To encourage student involvement in the field of coatings and corrosion technology, the AMPP Research Program Committee sponsors a Student Poster Session at AMPP 2022. Posters will be on display in the Exhibit Hall on Monday evening through Thursday, and the display will be staffed by students on Monday from 5 to 7 p.m. and Tuesday from noon to 1 p.m.
Winners will be announced on Wednesday at 12:30 p.m.

AMPPitheaters
The new and expanded AMPPitheaters will give conference attendees access to a variety of unique presentations on materials protection through corrosion control and protective coatings. This mini auditorium in the Exhibit Hall will feature industry leaders and AMPP staff who will facilitate interactive discussions on infrastructure and asset protection that are relatable to your own field of expertise. AMPPitheaters will be open to conference attendees and exhibit visitors on Tuesday, March 8 and Wednesday, March 9. Please see the AMPP Annual Conference + Expo Final Program for more information and for theater assignments.

Heavy Equipment Area
The new AMPP Annual Conference + Expo will have a designated area for heavy equipment that will allow companies to display large appliances. This will allow attendees to see equipment such as skid mount vacuums, blasting systems, combination of dust collectors or high-performance vacuum power units, and more up close and in an indoor setting.

CoatingsPro Magazine Annual Contractor Awards Program
CoatingsPro’s Contractor Awards Program is designed to showcase and recognize the projects and crews that demonstrate excellence in the field of high-performance commercial and industrial coatings. Award winners in seven categories—Commercial Concrete, Commercial Roof, Industrial Concrete, Industrial Steel, Specialty Project, Work It Safe, and Contractor Crew MVP—will be announced on Wednesday, March 9th during the annual AMPP Conference + Expo.
Exhibitors

● 10X Engineered Materials
  Web site: www.10xem.com
  Booth Number: 1452

Abrasives, Inc.
  Web site: www.abrasivesinc.com
  Booth Number: 929

Abriox, Inc.
  Web site: www.abriox.com
  Booth Number: 2657

Access Plug Flange, Inc. (APF)
  Web site: www.inspectionplug.com
  Booth Number: 2012

● Accurate Corrosion Control, Inc.
  Web site: www.accuratecorrosion.com
  Booth Number: 1035

Advanced OEM Solutions
  Web site: www.aos-ndt.com
  Booth Number: 549

● Advanced Polymer Coatings
  Web site: www.adv-polymer.com
  Booth Number: 1517

Advanced Polymeric, Inc.
  Web site: www.api-smartcoat.com
  Booth Number: 2452

Advance Products & Systems, Inc.
  Web site: www.apsonline.com
  Booth Number: 2009

Aegion Corp.
  Web site: www.aegion.com
  Booth Number: 1637

Agru America, Inc.
  Web site: www.agruamerica.com
  Booth Number: 2022

● Air Systems International
  Web site: www.airsystems.com
  Booth Number: 1108

● Allied Corrosion Industries, Inc.
  Web site: www.alliedcorrosion.com
  Booth Number: 1913

● American Innovations
  Web site: www.aiworldwide.com
  Booth Number: 2021

Anotec Industries
  Web site: www.anotec.com
  Booth Number: 1147

Applied Graphene Materials
UK, Ltd.
  Web site: www.appliedgraphenematerials.com
  Booth Number: 1416

Arista Materials & Consulting
  Web site: www.aristaus.com
  Booth Number: 1320

Arkema, Inc.
  Web site: www.arkema.com
  Booth Number: 457

ARK Engineering
  Web site: www.arkengineering.com
  Booth Number: 1046

Armacell Energy
  Web site: www.armacell.com/oilandgas
  Booth Number: 2236

● ARS Recycling Systems
  Web site: www.arsrecycling.com
  Booth Number: 1863/1762

● Asbury Carbons
  Web site: www.asbury.com
  Booth Number: 1616

● Atmospheric Corrosion Specialists
  Web site: www.acspecialists.us
  Booth Number: 2137

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www.acminstruments.com
Axess-Corrosion
Web site: www.axess-corrosion.com
Booth Number: 2162

Axxiom Manufacturing
Web site: www.schmidtabrasiveblasing.com
Booth Number: 1917

BAC Corrosion Control, Ltd.
Web site: www.bacgroup.com
Booth Number: 2653

• Baker Hughes, a GE Co.
Web site: www.bakerhughes.com
Booth Number: 1647

• Barton International
Web site: www.barton.com
Booth Number: 2747

• Bass Engineering
Web site: www.bass-eng.com
Booth Number: 2015

Bayou Companies/The
Web site: www.bayoucompanies.com
Booth Number: 1755

Bedford Reinforced Plastics
Web site: www.bedfordreinforced.com
Booth Number: 1032

• BGH Edelstahlwerke GmbH
Web site: www.bg.de
Booth Number: 1112

Bio-Logic USA
Web site: www.bio-logic.net
Booth Number: 2934

Biosan Laboratories, Inc.
Web site: www.biosan.com
Booth Number: 2013

• BK Corrosion, LLC
Web site: www.bkcorrosion.com
Booth Number: 1923

• BlastOne International
Web site: www.blaste.com
Booth Number: 1553

• Borchers CHLOR*RID
Web site: www.chlor-rid.com
Booth Number: 940

Borin Manufacturing, Inc.
Web site: www.borin.com
Booth Number: 1632

Brown Corrosion Services, Inc.
Web site: www.brown corrosion.com
Booth Number: 1533

• BSS Technologies—
Bin Sari Specialized Technologies
Web site: www.bsstechnologies.com
Booth Number: 1409

CAPROCO
Web site: www.caproco.com
Booth Number: 1447

• Carboline Co.
Web site: www.carboline.com
Booth Number: 1609

• Cathodic Protection Co., Ltd.
Web site: www.cathodic.co.uk
Booth Number: 1752

Cathodic Technology, Ltd.
Web site: www.cath-tech.com
Booth Number: 1526

CerAnode Technologies—
Division of APS Materials, Inc.
Web site: www.ceranode.com
Booth Number: 1439

• CESCO
Web site: www.blastandpaint.com
Booth Number: 1853

Champion Corrosion Products, Inc.
Web site: www.championcorrosion.com
Booth Number: 2533

• Chapman Engineering
Web site: www.chapman.engineering
Booth Number: 2552
## Exhibitors

- **Chase Corp.-Tapecoat/Royston**  
  Web site: www.chasecorp.com  
  Booth Number: 1608

- **Chemco International**  
  Web site: www.chemcoint.com  
  Booth Number: 1352

- **ClampOn, Inc.**  
  Web site: www.clampon.com  
  Booth Number: 2153

- **Clemco Industries Corp.**  
  Web site: www.clemcoindustries.com  
  Booth Number: 1935

- **CM BEASY, Ltd.**  
  Web site: www.beasy.com  
  Booth Number: 2335

- **Coast to Coast Inspection Services**  
  Web site: www.coastnde.com  
  Booth Number: 1429

- **Concrete Sealants, Inc.**  
  Web site: www.conseal.com  
  Booth Number: 1411

- **Confined Space Robotics**  
  Web site: www.csrrobotics.com  
  Booth Number: 2358

- **Corrosion Materials**  
  Web site: www.corrosionmaterials.com  
  Booth Number: 2339

- **Corrosion Service Co., Ltd.**  
  Web site: www.corrosionservice.com  
  Booth Number: 2847

- **Cortec Corp.**  
  Web site: www.cortecvci.com  
  Booth Number: 1909

- **Cortest, Inc.**  
  Web site: www.cortest.com  
  Booth Number: 1854

- **CSNRI (ClockSpring/NRI)**  
  Web site: www.cs-nri.com  
  Booth Number: 1333

- **Curran International, Inc.**  
  Web site: www.curranintl.com  
  Booth Number: 2235

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**Dairyland Electrical Industries**

- **Web site:** www.dairyland.com  
  **Booth Number:** 2557

**Dakota Ultrasonics**

- **Web site:** www.dakotaultrasonics.com  
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- **Web site:** www.dalecompany.com  
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EIU, Inc.
Web site: www.eiuinc.com
Booth Number: 2763

Elcometer
Web site: www.elcometerusa.com
Booth Number: 1815

Elecsys International
Web site: www.elecsyscorp.com
Booth Number: 841

Element Materials Technology
Web site: www.element.com
Booth Number: 2839

Elsyca
Web site: www.elsyca.com
Booth Number: 2554

Emerson
Web site: www.emerson.com
Booth Number: 2539

EN Engineering
Web site: www.enengineering.com
Booth Number: 946

Energy Economics, Inc.
Web site: www.eei.com
Booth Number: 1539

EnTech Industries
Web site: www.entechindustries.com
Booth Number: 1159/1163

Enviropeel
Web site: www.enviropeel.com
Booth Number: 1237

Evonik Industries
Booth Number: 3047

Expro
Web site: www.exprogroup.com
Booth Number: 1311

E-Z Line Pipe Support Co., LLC
Web site: www.ezline.com
Booth Number: 2155

Farmers Copper, Ltd.
Web site: www.farmers-copper.com
Booth Number: 1349

Farwest Corrosion Control Co.
Web site: www.farwestcorrosion.com
Booth Number: 2047

Forze Electronics—4Z Elektronik, Ltd.
Web site: www.4zelektronik.com
Booth Number: 2652

French Creek Software, Inc.
Web site: www.frenchcreeksoftware.com
Booth Number: 2352

Galvotec Alloys, Inc./Galvotec Corrosion Services
Web site: www.galvotec.com
Booth Number: 2239

Gamry Instruments
Web site: www.gamry.com
Booth Number: 1514

Gecko Robotics
Web site: www.geckorobotics.com
Booth Number: 2254

Girard Industries
Web site: www.girardindustries.com
Booth Number: 1347

GMA Garnet (USA) Corp.
Web site: www.gmagarnet.com
Booth Number: 1421

GNP Graystar
Web site: gnpceramics.com
Booth Number: 1327

GPT
Web site: www.gptindustries.com
Booth Number: 1336

Graco, Inc.
Web site: www.graco.com
Booth Number: 1410

Grandis Titanium
Web site: www.grandis.com
Booth Number: 1410

Green Diamond Performance Materials
Web site: www.greendiamondpm.com
Booth Number: 1759

Greenman-Pedersen, Inc. (GPI)
Web site: www.gpinet.com
Booth Number: 2053

Grillo
Web site: www.grillo.de
Booth Number: 2739

Harsco Environmental
Web site: www.blackbeautyabrasives.com
Booth Number: 1955

HCL Fasteners
Web site: www.hcfasteners.com
Booth Number: 1428

Hempel
Web site: www.hempel.us
Booth Number: 1433

Highridge Corrosion Services
Web site: www.highridgecorrosion.com
Booth Number: 2562

Hippwrap Containment
Web site: hippocret.com
Booth Number: 1031

HoldTight Solutions, Inc.
Web site: www.holdtight.com
Booth Number: 1508

Honeywell Corrosion Solutions
Web site: www.honeywellprocess.com/corrosion
Booth Number: 2039

InduMar Products, Inc.
Web site: www.indumar.com
Booth Number: 1420

Induron Protective Coatings
Web site: www.induron.com
Booth Number: 935

Industrial Vacuum Equipment Corp.
Web site: www.industrialvacuum.com
Booth Number: 1457/1463

Innovative Analytical Solutions (IAS)
Web site: www.steelandalyzer.com
Booth Number: 1417
• Integrity Solutions Field Services, Inc.
Web site: www.isfieldservices.com
Booth Number: 1126

• International Union of Painters and Allied Trades (IUPAT—Finishing Trade)
Web site: www.iupatindustrial.com
Booth Number: 1227

• Interprovincial Corrosion Control Co., Ltd.
Web site: www.rustrol.com
Booth Number: 2646

ION Science, Inc.
Web site: www.ionscience.com/usa
Booth Number: 740

IRT Integrated Rectifier Technologies, Inc.
Web site: www.irtrectifier.com
Booth Number: 1246

• ITW Polymers Sealants North America
Web site: www.itwsealants.com
Booth Number: 1252

JA Electronics Manufacturing Co.
Web site: www.jaelectronics.com
Booth Number: 1626

J.H. Fletcher & Co.
Web site: www.jhfletcher.com
Booth Number: 1357/1363

Johns Manville
Web site: www.jm.com
Booth Number: 1556

Jotun Paints, Inc.
Web site: www.jotun.com
Booth Number: 1456

Kelvion
Web site: www.cti-ind.com
Booth Number: 1120

• Kennametal, Inc.
Web site: www.kennametal.com
Booth Number: 1963

Kirk Engineering
Web site: www.kirkcell.com
Booth Number: 1529
Exhibitors

• KTA-Tator, Inc.
  Web site: www.kta.com
  Booth Number: 1446

LAIKEN S.A.
Web site: www.laiken.com.ar
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<td>Corrosion in Oil and Gas Production (COG)</td>
<td>December 13-15</td>
<td>$400</td>
<td>Charlie Speed, Mits/Crsn Engr <a href="http://www.nace.org/nolacoG">www.nace.org/nolacoG</a></td>
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