THE OPTIMIZED ANODE SYSTEM

- Discrete Concentric Arcs
- Each arc has individual redundant leads
- Arcs follow tank bottom symmetry
- Current distribution is optimized
- Groundbed resistance is optimized
- Designed for direct burial in sand
- 100% Factory heavy duty connections
- Less than 10% current attention
- Low cost
- Power efficient
- Easy to install
- Optional integrated Plastic Mesh
- 50-years design life
- JIT on site

CerAnode Technologies International  4011 Riverside Drive  Dayton, OH 45405 USA
Ph: 937-278-6547 Ext. 207 | www.CerAnode.com | Email: CerAnode@apsmaterials.com
SEASHIELD SERIES FX-70®
In-place repair solution for structural pile repair and protection system for timber, concrete and steel structures.

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.

LEADERS IN CORROSION PREVENTION
www.densona.com - North America Sales
www.premcoatings.com - South America Sales
Call: +1 281-821-3355  E-mail: info@densona.com
On behalf of the board of directors of AMPP and the AMPP Global Center, it is our pleasure to invite you to the second AMPP Annual Conference + Expo in Denver, Colorado next March. 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 is our industry’s largest and most comprehensive event and the ideal 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 committee groups led by industry experts
- Lectures from industry’s leading authorities
- Hundreds of exhibits
- Practical learning workshops
- Hands-on coating and cathodic protection experiences
- Programming specific to contractors
- 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

And based upon feedback received after our March Conference in San Antonio:

- We will have a student and young professionals track.
- We’ve almost doubled the amount of forums, workshops, and information exchanges.
- We’ve expanded exhibit hall hours to include an extra hour during the Grand Hall opening and we will be opening the hall earlier on Tuesday and Wednesday mornings.

The following pages of this program will give you all the information you need to plan a full and rewarding conference. Along with the boards and staff of AMPP, we look forward to welcoming you to AMPP’s Annual Conference + Expo 2023!

Sincerely,

Sam Scaturro
Chair, AMPP Board of Directors

Chris Conner
Chair, AMPP Global Center
Board of Directors
Providing Corrosion Monitoring Solutions for Over 40 Years

Our corrosion monitoring product line includes:

- Instruments: Data Loggers, Transmitters, Portable Meters
- Probes: ER, LPR, Erosion, Hydrogen, Biological, Custom
- Coupons, Coupon Holders, Test Racks, Bypass Systems
- Access Systems, Retrieval Tools, Service Valves
- Injection & Sampling Systems, Quills, Nozzles
- Non-Intrusive Ultrasonic Systems
#AMPP2023

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General Conference Information

Location
The Colorado Convention Center
700 14th St.
Denver, CO 80202

Time Zone
MDT—Mountain Daylight Time

Getting to Denver
Denver International Airport (DEN)
8500 Peña Blvd.
Denver, CO 80249

Visa Application and COVID-19 Restrictions for International Delegates
Any individual traveling from an international location to the AMPP Annual Conference + Expo in Denver will need to check the U.S. Department of State website (travel.state.gov) to identify their specific country’s Visa requirements and COVID-19 related restrictions.

Official Conference Language
The official conference language is English.

Professional Development Hours (PDHs) Stations
Earn PDHs by attending the technical meetings, forums, and symposia at the AMPP Annual Conference + Expo. 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 Certification Lounge
The Certification Lounge is a space dedicated to recognizing the AMPP certified community. All active, certified individuals are encouraged to come by to claim a gift, put their feet up, enjoy a beverage and/or snack, and chat with AMPP representatives who will be available to answer questions and verify information around certification.

Corporate Lounge
The Corporate Lounge offers AMPP corporate member representatives—from Affiliate and Associate level corporate memberships—specialized services and an oasis for conducting business while attending the conference. Guests can reserve meeting rooms, check emails, or relax between meetings. Learn how to become a Corporate Member by contacting our Membership Engagement Specialist at corporate@ampp.org.

Students/Young Professionals (SYP) Lounge
Attendees under the age of 30 can visit the lounge in the Student Quad on the Expo floor and take a break from the action, meet up with other SYPs, or schedule small, informal meetings in semi-private pods.

Product Showcase
The Product Showcase is your first look at the industry’s cutting-edge technology. Located in the main foyer near registration, displays feature the latest innovations and new products from this year’s exhibiting companies. Exhibitors interested in participating in this unique display can contact Alina Blanco at alina.blanco@ampp.org or phone +1 281-228-6450.
Heavy Equipment Area
See company displays of large-scale equipment—skid mount vacuums, blasting systems, a combination of dust collectors, or high-performance vacuum power units—up close and indoors in the exhibit hall.

Convention Center Accessibility
The Colorado Convention Center is committed to accommodating the needs of individuals with disabilities. It complies with all federal ADA laws. If you have any special requirements, email a description of your needs to customersupport@ampp.org and an AMPP staff member will contact you.

AMPP Conferences Minor Policy
Children under the age of 15 are not permitted in the expo, meetings, or symposia. Children over the age of 15 must be registered as guests and are required to wear a badge at all times while in the convention center.

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.

Meetings & Programming: 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.

Exhibitors: Exhibitor booth staff must be registered as such and be 15 years of age or older. The nursing infant rule applies 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. STROLLERS AND ROLLING CARTS ARE NOT ALLOWED in the exhibit hall at any time.

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.

SAFEGUARD CRITICAL ASSETS WITH LEADERS IN MATERIALS EVALUATION & INSPECTION.
Ensuring asset integrity in challenging environments is complicated. Element makes it easier. Rely on us to execute large global testing programs across a broad range of services, with world-leading experts supporting every step. We make certain that your materials and products are safe and fit for purpose.

+1 888 786 7555 element.com contact.us@element.com
# Conference Registration

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

<table>
<thead>
<tr>
<th>REGISTRATION TYPE</th>
<th>Digital Conference Proceedings</th>
<th>Opening &amp; Exhibit Hall Receptions*</th>
<th>Tuesday Lunch*</th>
<th>Wednesday Drink Ticket*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Conference</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Advanced, Regular, and Students</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One-Day</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Two-Day</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>On-Demand</td>
<td>$525 Member</td>
<td>$595 Non-Member</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Guest</td>
<td>Includes access to social activities and exhibit hall only</td>
<td>$195</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exhibit Hall Only</td>
<td>$225</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Darrel D. Byerley &amp; Phil Calvo Memorial Golf Tournament</td>
<td>$150 Individual Player</td>
<td>$1,000 Corporate Team</td>
<td>$1,200 Corporate Pack (Foursome + Hole Sponsorship)</td>
<td></td>
</tr>
<tr>
<td>EMERGing Leaders Bash</td>
<td>Contact <a href="mailto:sales@ampp.org">sales@ampp.org</a> for available sponsorships</td>
<td>$75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Honoree Night</td>
<td>Contact <a href="mailto:sales@ampp.org">sales@ampp.org</a> for available sponsorships</td>
<td>$75</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fellows Meeting Breakfast</td>
<td>Contact <a href="mailto:ingrid.furtado@ampp.org">ingrid.furtado@ampp.org</a> for tickets</td>
<td>$25—by invitation only</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crew Brew</td>
<td>$25</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Restrictions apply. See ace.ampp.org/registration for more details.
Conference Registration

AMPP Annual Conference + Expo 2023

Conference Papers

<table>
<thead>
<tr>
<th>REGISTRATION TYPE</th>
<th>PRICING</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Full Conference Registrations– attendees, students, and exhibitors</td>
<td>Complimentary Online Access</td>
</tr>
<tr>
<td>One-Day and Two-Day Registrations</td>
<td>$249 Online Access</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</td>
<td></td>
</tr>
</tbody>
</table>

General Registration Information

Registration is available online from late October 2022 through March 16, 2023. After March 16, 2023, registration will be processed on site only, including mailed registrations received after this date.

Registration for on-demand conference delivery will continue online after the conference begins.

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. Checks, money orders, or credit card payments are accepted. Invoices will not be issued.

Advance registration rates will be available from late October 2022 through January 19, 2023. After January 19, 2023, regular registration rates will apply.

On site and Express Pass registration will be in the Colorado Convention Center.

Ways to Register

Online: ace.ampp.org
Mail: AMPP, 15835 Park Ten Place, Houston, TX 77084 USA
Fax: +1 281-228-6329
Phone: 1 800-797-6223 (U.S. and Canada) or +1 281-228-6223 (worldwide)

Cancellation and Refund Policies

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 credit 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 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.

Check refunds are processed after the conference. There are no refunds on exhibit visitors or networking tickets.

Guest Tours

A limited number of tours of popular Denver destinations are available for purchase. A Guest or Conference registration is not required for tour participation. Visit the ace.ampp.org website for a list of available tours and to register.

Learn how you can attend AMPP Annual Conference for FREE!
Participate in the AMPP Connect Program. See page A59 for details.
# Housing

## Official Conference Hotels List

<table>
<thead>
<tr>
<th>HOTEL</th>
<th>S/D RATE (USD)</th>
<th>T/Q RATE (USD)</th>
<th>ADDRESS</th>
<th>PHONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$251</td>
<td>$271</td>
<td>650 15th St.</td>
<td>+1 303-436-1234</td>
</tr>
<tr>
<td>2</td>
<td>$235</td>
<td>$265</td>
<td>1420 Stout St.</td>
<td>+1 303-592-1000</td>
</tr>
<tr>
<td>3</td>
<td>$254</td>
<td>$274</td>
<td>550 15th St.</td>
<td>+1 303-623-5900</td>
</tr>
<tr>
<td>4</td>
<td>$209</td>
<td>$219</td>
<td>1701 California St.</td>
<td>+1 303-297-1300</td>
</tr>
<tr>
<td>5</td>
<td>$254</td>
<td>$274</td>
<td>550 15th St.</td>
<td>+1 303-534-7800</td>
</tr>
<tr>
<td>6</td>
<td>$199</td>
<td>$219</td>
<td>440 14th St.</td>
<td>+1 303-893-2900</td>
</tr>
<tr>
<td>7</td>
<td>$199</td>
<td>$219</td>
<td>440 14th St.</td>
<td>+1 303-893-3100</td>
</tr>
<tr>
<td>8</td>
<td>$207</td>
<td>$227</td>
<td>1550 Court Place</td>
<td>+1 303-893-3333</td>
</tr>
<tr>
<td>9</td>
<td>$196</td>
<td>$216</td>
<td>1450 Glenarm Place</td>
<td>+1 303-573-1450</td>
</tr>
</tbody>
</table>

*AMPP Headquarters Hotel

### Make hotel reservations through the AMPP website.

Visit ace.ampp.org to reserve your room at one of the official conference hotels. 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 an acknowledgement in this time frame, please contact the AMPP Annual Conference + Expo 2023 Housing Bureau at 1 866-470-7778 or +1 571-549-4542 (International); email ampphousing@spargoinc.com.

Reservations may also be made during the AMPP Annual Conference + Expo 2023 online registration process. The deadline to reserve a room through online registration is February 11, 2023.

---

**ALERT!**

**SPARGO is the ONLY APPROVED HOUSING AGENCY for AMPP Annual Conference + Expo in Denver.**

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).
Key Dates at a Glance

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOVEMBER 1, 2022</td>
<td>Housing opens: We recommend that you select your hotel early to ensure your preferred hotel.</td>
</tr>
<tr>
<td></td>
<td>Conference/Expo advance registration opens: Register online, by mail, fax, or phone (see Advance Program's Registration section).</td>
</tr>
<tr>
<td>JANUARY 19, 2023</td>
<td>Conference/Expo advance registration closes: After this date, registrations will be processed at the regular rate.</td>
</tr>
<tr>
<td>FEBRUARY 11, 2023</td>
<td>Housing closes: All reservations, changes, and cancellations must be handled directly by the hotels not the housing bureau.</td>
</tr>
<tr>
<td>MARCH 16, 2023</td>
<td>Online registration for in-person conference closes: After this date, registrations for in-person conference will only be accepted onsite at the Colorado Convention Center.</td>
</tr>
<tr>
<td>MARCH 19, 2023</td>
<td>AMPP Annual Conference + Expo 2023 begins: Onsite registration times are Saturday, March 18, 2 to 5 p.m.; Sunday, March 19, 7:30 a.m. to 6:30 p.m.; Monday, March 20, 7 a.m. to 6:30 p.m.; Tuesday, March 21, 7 a.m. to 5 p.m.; Wednesday, March 22, 7:30 a.m. to 5 p.m.; and Thursday, March 23, 7:30 a.m. to noon.</td>
</tr>
<tr>
<td>MARCH 23, 2023</td>
<td>Conference/Expo registration, AMPP Store, Exhibit Hall, and AMPP Business Center closes at noon.</td>
</tr>
</tbody>
</table>

Important Contacts

<table>
<thead>
<tr>
<th>INFORMATION TYPE</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</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>+1 281-228-6481</td>
<td>+1 281-228-6481</td>
<td><a href="mailto:david.briley@ampp.org">david.briley@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>
Standards & Technical Meetings

AMPP Standards Committees are scheduled to meet during AMPP Annual Conference + Expo 2023. ISO standards committees will also meet. Full conference registrants are welcome to participate in standards committee meetings held during the conference. Standards committee meetings are where you can learn about the projects assigned to a committee, connect with the standards developers, contribute to the draft, and follow the progress of each standards project. There's no better way to engage with and impact industry than through the important work of standards development!

Additionally, AMPP Technical Committees (TCs) and Technical Communities of Interest (TCIs) will meet during the conference.

Standards Committees Informational Meeting
Sunday, March 19 • 9 to 11 a.m.

New to AMPP standards development? Learn more about the work of the committees by attending an informational meeting during AMPP 2023 that will address the functions of the committees. The committees’ matrix structure—designed to bring together experts from various industries who are concerned with specific subject matters and wish to contribute to the development of standards that meet the needs of industry—will be explained. A must-attend for those new to the AMPP standards development process.

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

All scheduled standards and technical meetings are included on the following program-by-day pages; use the color-coded program legend to identify scheduled meetings. For the most up-to-date standards committee meeting listing with the times and locations as they are finalized, visit ace.ampp.org.
Thank You to Our Sponsors as of 8/18/2021

Visit ace.ampp.org or contact sales@ampp.org for sponsorship opportunities.
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

Program Color Legend

- **AM** Administrative/Other Meetings
- **AT** AMPP Theater
- **F** Forums and Workshops
- **IT** Informational Track
- **N** Networking
- **S** Symposia
- **SA** Student Activities
- **SC** Standards Committees/ISO/Technical Meetings

### FRIDAY, MARCH 17

#### AMPP Board of Directors Meeting
Hyatt Regency Denver

### SATURDAY, MARCH 18

#### AMPP Global Center Board Meeting
Hyatt Regency Denver

#### AMPP Member Leadership Development Program
Hyatt Regency Denver

#### Crew Brew
6 to 10 p.m. • Wynkoop Brewing Company

Join your fellow attendees at Wynkoop Brewing Company, Colorado’s first brewpub. 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.

### SUNDAY, MARCH 19

#### Advocacy and Public Affairs Program Committee Meeting

#### Coatings 101 Workshop
Presenters: Charles Brown, Chris Farschon, and Mike Baase, GPI

101 is a workshop for those individuals who want to get a basic understanding of a typical protective coatings project, from understanding the need for a project to the unique challenges faced in the industrial coatings industry.
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

Contractor Jobsite Efficiency
This session is seeking presentations related to jobsite efficiency for contractors (e.g. blasting, spraying, rework, etc).

This symposium features technical papers highlighting the importance of inspection services with a focus on proper welding and coating applications. This covers all aspects of quality assurance and provides an overview of the state-of-the-art techniques and procedures. Proper welding and coatings applications are paramount to ensure maximum life expectancy of steel structures. These papers will cover multiple markets including oil and gas, chemical processing, bridge and highway, water treatment, and power generation.

Control of H₂S and Mercaptans
Chair: Zhengwei Liu, Baker Hughes | Vice Chair: Jose Vera, DNV GL USA

This symposium features technical papers on the control of H₂S and mercaptans in the oilfield. This can include scavenging mechanism study, new scavenger chemistry/product development, field application experiences, and development on scavenging equipment/process.

Corrosion and Green Energy
Presenters: Jon H. Brasher, Ovante, LLC; and Graig Cilluffo, Cornerstone Corrosion Consulting

Sources of sustainable energy generation, transmission, distribution, and storage are not immune to damage from corrosion. This workshop will provide a forum for presentation of corrosion problems, solutions, and mitigation strategies.

Darrel D. Byerley & Phil Calvo Memorial Golf Tournament
9:00 a.m. to 4:30 p.m. • City Park Golf Course, Denver, Colorado

Start your busy week off with a fun and relaxing round of golf while networking with other conference attendees and industry professionals. Teams or individual players can sign up when registering for the conference. For questions, contact emerg@ampp.org. For sponsorship opportunities, please contact sales@ampp.org.

Signature Sponsor: Gold Sponsor:

Digital Asset Transformation: Application of Data Science and Analytics for Corrosion Management
Chair: Jason Moral, Kinder Morgan | Vice Chair: Mustafa Kara, Chevron

This symposium features technical papers on new developments and technologies to capture data, contextualize data, and visualize data in asset integrity management. Presentations may include lessons learned, solutions, information of things, digital twins, data prioritization, and integration.

Impact of Grounding Design on Cathodic Protection Systems
Chair: Cal Chapman, Chapman Engineering

This symposium features technical papers that will provide examples of these inadvertent tie-ins, and then the practical methods of how to sometimes prevent, mitigate, and/or manage them long-term.
**Program Schedule**

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

### Program Color Legend

- **AM**: Administrative/Other Meetings
- **AT**: AMPPiTheater
- **F**: Forums and Workshops
- **IT**: Informational Track
- **N**: Networking
- **S**: Symposia
- **SA**: Student Activities
- **SC**: Standards Committees/ISO/Technical Meetings

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**SUNDAY, MARCH 19**

#### Internal Corrosion

Chair: Mohsen Achour, ConocoPhillips | Vice Chair: Moavin Islam, Corrosion Forensics LLC

This symposium will discuss internal corrosion mechanisms or failures.

#### Linings for Renewable Fuel Facilities

Chair: Michael Harrison, Sherwin Williams

This symposium features technical papers that share advances in the development and testing of linings to meet the growing variety of renewable fuels.

#### MP Editorial Advisory Board Meeting

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#### Measurement and Simulation of Atmospheric Corrosion Through Modeling and Controlled Exposures

Chair: James Dante, Southwest Research Institutes | Vice Chair: Brandi Clark, Luna Innovations

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 multi-disciplinary approach to designing corrosion-resistant structures, transportation systems, or other high value assets. Paper topics may include but are not limited to corrosion model development, refinement, validation, or application to product or material design, characterizing or improving controlled atmospheric corrosion exposures, including test methods and corrosion measurement and characterization techniques, and material development for enhanced corrosion resistance.

#### Membership Program Committee Meeting

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#### Mineral Scales: Causes, Cases, and Control

Chair: Zahid Amjad, Walsh University | Vice Chair: Tao Chen, Aramco

This symposium will feature technical papers that present advances in understanding of the fundamentals of mineral scales formation and control in industrial systems. The focus is on end-user experiences from the process industries such as chemical processing, oil and gas, desalination (membran-based and thermal), power generation, pulp and paper, pharmaceutical, geothermal, and power generation. Papers will address strategies to control mineral scales with new inhibitors.
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

MR0175/ISO 15156 Maintenance Panel

Publications Program Committee Meeting

Non-metallics for Chemical and Mineral Processing and Oil & Gas Production
Chair: Michael Stevens, INEOS Composites | Vice Chair: Marilee Coleman, Enduro Composites Inc.
This symposium will focus on technical papers that discuss the use of polymer-based materials in chemical, mineral processing, and oil/gas applications to control corrosion.

Opening Reception
5:30 to 7 p.m. • Four Seasons Ballroom 1 & 2, Colorado 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.
Sponsored by:

Performance of Galvanic Anodes and Galvanic Cathodic Protection Systems in Reinforced Concrete Infrastructure
Chair: David Whitmore, Vector Corrosion Technologies | Vice Chair: Ivan Lasa, Greenman Pederson, Inc.
This symposium features technical papers on the performance of galvanic anodes and galvanic cathodic protection systems in reinforced concrete infrastructure. Galvanic anodes are used to provide cathodic prevention and cathodic protection of reinforcing steel in concrete. Papers that document long-term studies and field installations may be included. Performance of new galvanic anodes and updates to existing galvanic protection systems may also be included.

Proper Use of Coatings Inspection Instruments Workshop
Presenters: Bill Corbett and Lake Barrett, KTA-Tator Inc.
Ideally suited for those interested in learning the basics of instrument use and for those pursuing AMPP Coating Inspector Certification, this basic workshop is modeled after the successful Coatings Inspection Instrument Use Workshop conducted at many SSPC Coatings+ conferences, and at AMPP 2022. The workshop introduces participants to the primary inspection instruments and visual guides used on a typical coatings project. It features a hands-on lab composed of 10 stations where participants work in teams and use the gages and visual guides on sample substrates.

Standards Committees Informational Meeting

Standards Committees Training
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

Program Color Legend

- AM: Administrative/Other Meetings
- AT: AMPP/Theater
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SUNDAY, MARCH 19

**STI/SPFA Field Erected Steel Water Storage Tank Seminar**

Chair: Tim O’Toole, Steel Tank Institute/Steel Plate Fabricators Association | Vice Chair: Randy Moore, Tnemec
Presenters: Tim O’Toole, Steel Tank Institute/Steel Plate Fabricators Association; Fred Ruinen, Fisher Tank Company; Brad Veath, CB&I; Leslie Scott, Tank Industry Consultants; Kevin Gallagher, Caldwell Tanks; and Randy Moore, Tnemec

The STI/SPFA Field Erected Steel Water Storage Tank Seminar for consulting engineers, municipality and utility administrators, and water storage tank owners and operators, has been completely updated, featuring new, important topics and content.

Topics covered include:
- Review of Aboveground Potable Water Tank Styles
- Site Location Selection
- Overview of Related AWWA Standards and Manuals of Practice
- Tank Design, Construction, and Inspection
- Coating Systems Selection and Inspection
- Overcoat vs. Removal and Replacement of Coating Systems
- Maintenance and Asset Management Programs to Optimize Life-Cycle Cost

This four-hour seminar will feature specific case studies and examples highlighting the application of all applicable AWWA Standards and Manuals of Practice relating to potable steel water storage tank design, construction, maintenance, and asset management. Attendees will have opportunities to ask questions of the experienced and knowledgeable subject matter experts throughout the program and during a panel discussion.

**Surface Preparation**

Chair: Loren Hatle | Vice Chair: Robert Wissinger, Sherwin Williams Co.

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.

**TC 01 Coatings Committee Meeting**

**TCI-Atmospheric Coatings Information Exchange**

**TCI-Linings, Immersion, and Buried Service**
All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

**MONDAY, MARCH 20**

**Accreditation Program Committee**

**Advance Your Career with AMPP**
Chair: Keenan Loubser, AMPP | Vice Chair: Pam Nicoletti, AMPP
Presenters: Keenan Loubser and Pam Nicoletti, AMPP

This session is targeted at AMPP certified professionals, workforce development managers, or anyone looking to enhance their career. Join us to get the latest updates on AMPP education, certification, and future opportunities driving workforce needs.

**Advances in Materials for Oil and Gas Production Details—Day 1**
Chair: Julio Maldonado, Chevron | Vice Chair: Eric Caldwell, GATE Energy

This symposium will feature technical papers that present advances in materials technology and research. The focus is on new and improved metallic materials and applications. This includes consideration and measurement of the material’s performance in its employed exposure environment.

**AMPP Awards Committee Program Meeting**
Annual meeting to discuss AMPP Awards topics.
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

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MONDAY, MARCH 20

### Anodic and Cathodic Protection—Day 1
Chair: Daniel Fingas, Corrosion Service Co. Ltd. | Vice Chair: Spencer Easthope, Transmountain Pipeline

This symposium includes technical papers regarding anodic and cathodic protection of metals in pipeline, oil, gas, and water systems.

### Bridge and Infrastructure Coatings & Corrosion
Chair: I-Wen Huang, Abbott Laboratories | Vice Chair: Samanbar Permeh, Florida International University

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 (including cathodic protection) may be included.

### Coating Failure Investigations—Finding the Cause
Presenters: Valerie Sherbondy and Rick Huntley, KTA-Tator, Inc.

It is not supposed to happen, but sometimes coatings fail long before expected. Coating materials are designed to work in many environments and for many years. When the expected service life falls short of expectations there is plenty of discussion, blame, and finger-pointing. There are general causes that can be used as global possibilities for the failure, but there are also details from the field investigation and laboratory tests that can assist in identifying the main factors that contributed to the coating failure. This presentation will build on the common generalities that get the blame for coating failures and build on those to more closely examine the failure and plan the investigation process. Several actual coating failures will be referenced as case studies to follow the investigative process from sample collection, project fact finding, and laboratory testing, to discover what caused the failure. In addition, possible ways to remedy the situation and avoid the situation in the future will be discussed.

### Corrosion in Supercritical Systems
Chair: Bjorn Morland, Institute for Energy Technology (IFE) | Vice Chair: Yuan Ding, Texas A&M University

This symposium will feature technical papers that address the measurement or assessment of corrosion in any supercritical system, including supercritical water and supercritical carbon dioxide. Papers will be of a research or industrial nature.
Program Schedule

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🎉 Corrosion in the Biofuel and Biomass Industry
Chair: Sandra Le Manchet, ArcelorMittal - Industeel USA LLC | Vice Chair: Jean Kittel
This symposium is to share experience related to material selection, corrosion issues, and corrosion mitigation in the biofuels industry. We know that this industry is growing and that the switch from conventional fossil feedstocks to vegetable oil or biomass may cause severe corrosion issues. This symposium will cover both the production of biodiesel and bioethanol.

🎉 Corrosion Mitigation and Preservation Efforts on United States Coast Guard Cutters
Chair: Ross Markham, US Coast Guard-USCGC TAHOMA | Vice Chair: Nick Paisker, US Coast Guard
Presenters: Ross Markham, US Coast Guard-USCGC TAHOMA; Nick Paisker, US Coast Guard; and Dr. Ram Bhagat, U.S. Coast Guard Surface Forces Logistics Center
This will be an informational dive into how the US Coast Guard maintains its fleet of aging and new vessel classes, exploring maintenance/inspection planning techniques, guiding organizational/industrial references, and unique geographical/operational driving factors.

🎉 Corrosion Resistant Alloy Development and Applications
Chair: Narasi Sridhar, MC Consult LLC | Vice Chair: Vinay Deodeshmukh, Haynes International, Inc.
This symposium is focused on the development of corrosion resistant alloys using new concepts, the application of these alloys in different industries, characterization of corrosion resistance using a variety of techniques, and life prediction models. Topics include new alloy formulations, the use of atomic or other materials modeling techniques to develop new alloys, multi-principal element alloys for corrosion applications, alloy cladding or coatings, and failure analysis involving corrosion resistant alloys.

🎉 Corrosion Under Insulation
Chair: Ahmad Raza Khan Rana, Integrity Products & Supplies Inc. | Vice Chair: Dr. George Jarjoura, Dalhousie University Halifax, NS, Canada
This symposium includes technical papers on corrosion under insulation (CUI), which is a driver behind 10% of overall maintenance spending in a typical oil refinery and the reason behind 40 to 60% of piping failure. This symposium may include papers that address the aspects of CUI and associated external damage mechanisms (e.g., SCC) for thermally insulated piping, equipment, tanks, pipelines, etc. The papers may include but are not limited to the testing, pilot trials, case histories, R&D results for various materials (thermal insulations, metals, jacketing etc.) inspection/ NDE tools, as well as preventive measures such as coating, cathodic protection, moisture barrier, etc.

🎉 EMERG Program Committee Meeting

🎉 EMERG Student Meeting
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.

🎉 Environmental Assisted Cracking (EAC)
Chair: Liangzhe Zhang, ExxonMobil | Vice Chair: Fei Tang, DNV
This symposium will feature technical papers related to understanding various types of EAC mechanisms including but not limited to hydrogen embrittlement, stress corrosion cracking, sulfide stress cracking, HIC/SOHIC, corrosion fatigue, liquid metal embrittlement, and so on. The papers can cover root cause failure analysis, laboratory testing methods, materials modeling, industry standards development, state-of-the-art EAC research reviews, and other relevant topics.
# Program Schedule

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## MONDAY, MARCH 20

### Erosion Management—Challenges and Solutions

**Chair: Ardjan Kopliku, BP | Vice Chair: Siamack Shirazi, The University of Tulsa**

This symposium features technical papers on how to plan, execute, and monitor erosion management. What are the challenges, the present solutions, and the gaps?

### Exhibition Grand Opening

5 to 8 p.m. • Exhibit Hall

### Facilities Integrity

**Chair: Michael Snow, Enbridge Liquid Pipelines | Vice Chair: Alyn Jenkins, Schlumberger**

This symposium features technical papers on the management of corrosion and assets related to facilities for oil and gas midstream. Papers related to upstream and downstream may also be included.

### Gaseous Hydrogen Embrittlement

**Chair: Marco De Marco, Italian Institute of Welding | Vice Chair: Marco Palombo, Italian Institute of Welding**

This symposium features technical papers on the study of the hydrogen-metal interaction related to the mechanical properties (e.g., resistance, toughness) of the main alloys used in services that involve the treatment, storage, and transport of hydrogen in gaseous form at different operating conditions in traditional and sustainable energy industries.

### Geothermal Scaling and Corrosion

**Chair: Keith Lichti, Quest Integrity NZL Ltd. | Vice Chair: Sigrun Karlsdottir, University of Iceland**

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 are welcome.

### Guest Breakfast
Program Schedule

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1. How to Gain an Edge with Coatings Contractor Selection
   Chair: Kathy Cornwall | Vice Chair: Dave Evans
   Interested in learning how to reduce your challenges, prevent failures before they happen, extend asset life, and reduce pain points and risks? Join us to see how to easily and effectively select a coatings contractor to meet internal requirements and get the most from your asset. Hear the testimonies of owners that have reaped the benefits of selecting skilled and qualified contractors to deliver the best for their coating’s projects.

2. Keynote with Hall of Fame Quarterback and TV personality Terry Bradshaw
   3:30 to 4:30 p.m. • Four Seasons Ballroom, Colorado Convention Center
   The Association for Materials Protection and Performance (AMPP) is proud to announce four-time Super Bowl Champion quarterback and television personality Terry Bradshaw as keynote speaker for the AMPP Annual Conference + Expo 2023 next March.
   In addition to his hall of fame football career, Bradshaw enjoys immense success and respect in several arenas. He is a multi-Emmy and award-winning broadcaster for FOX on Fox NFL Sunday. He’s an enduringly popular actor, including his memorable comedic role in the box office smash comedy romance Failure to Launch and his entertaining appearance on Better Late Than Never. Add to that gospel/country singer, motivational speaker, New York Times best-selling author, and breeder of championship quarter horses.
   Bradshaw’s keynote is entitled, “Why Not Your Best?” His presentation will be one of several opportunities for attendees, including students and young professionals, to focus on self-improvement and leadership. Please join us from 3:30 to 4:30 p.m. in the Four Seasons Ballroom at the Colorado Convention Center.

3. Learning How to Make Optimal Decisions
   Chair: Warren Brand, Chicago Corrossion Group/The Alternative Response Method
   The Alternative Response Method is the first implementable methodology for individuals and organizations to learn to make better decisions.

4. Materials and Cost of Corrosion
   Chair: Barinder Ghai, Sandvik Materials Technology | Vice Chair: Sandra Le Manchet, ArcelorMittal
   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 (ROI) as a performance measurement.
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**MONDAY, MARCH 20**

**Military Coatings and Corrosion**
Chair: Patrick Cassidy, Elzly Technology Corp | Vice Chair: Charles White, NSWC Carderock
This symposium features technical papers on controlling corrosion in the military sector, whether that is through material selection, design, coatings, or cathodic protection.

**Progress in Laboratory Testing of Corrosion Inhibitors for Oil Field Application**
Chair: Juan Dominguez Olivo, Northern Technologies International Corporation | Vice Chair: Zineb Belarbi, National Energy Technology Laboratory
This symposium features technical papers on the following issues: novel techniques and methodologies for evaluation of corrosion inhibitors in the lab; lessons learned including 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.

**RIP—Atmospheric and Marine Environments**
Chair: Jason Lee, Naval Research Laboratory | Vice Chair: Saba Esmaeely, DNV GL
This Research in Progress (RIP) symposium is seeking abstracts that cover fundamental studies of materials exposed in marine and atmospheric conditions. Abstracts should address a performance or protection aspect of materials. Topical phenomena of interest include but are not limited to galvanic, localized, and general corrosion, as well as cathodic protection and coatings systems specific to marine immersion and atmospheric environments.

**RIP—Biomedical Environments**
Chair: Danieli Rodrigues, UT Dallas | Vice Chair: Piyush Khullar, University of Virginia
This RIP symposium is seeking abstracts that cover advancements in the biomedical field with respect to biomaterials/device corrosion, degradation, and biocompatibility. Topics of interest include but 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 modulate implant 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, and biomaterials.
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

⚠️ RIP—Coatings and Inhibitors
Chair: Homero Castaneda-Lopez, Texas A&M University | Vice Chair: Nicole Kucza, GE Healthcare
Sustainable corrosion protection can be provided by either multi-functional coatings and/or inhibitors. A tailored design of such coatings requires working out elaborate processing (manufacturing), multiscale, internal structures, and chemical compositions. The development of inhibitors can be as a chemical added to the coating multifunctionality or to the existed electrolyte or environment. This session includes presentations on the processing, materials characterization, and performance of coatings produced by a wide variety of functionalities that encompass different manufacturing routes (including traditional and additive manufacturing). Topics of focus include new innovations in process technology, characterization, non-destructive evaluation, modeling, and emerging applications.

⚠️ SC 05—Surface Preparation

⚠️ SC 06—Process Industries

⚠️ SC 07—Defense & Aerospace

⚠️ SC 10—Asset Integrity Management

⚠️ SC 15—Pipelines & Tanks

⚠️ SC 16—Oil & Gas-Downstream

⚠️ SC 21—Mining & Mineral Processing

⚠️ SC 24—EHS/Regulatory

⚠️ Silent Auction
Conference Hours, Monday, March 20 to Wednesday, March 22 • Exhibit Hall, Colorado 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 22. Proceeds will benefit the EMERG Student Outreach Program in our efforts to open doors and opportunities for students and veterans through a variety of new engagement programs. This program is designed to raise awareness of career paths in the materials protection field.

⚠️ Student Poster Session Orientation

⚠️ Student Poster Session Viewing Session 1
Exhibit Hall
Chair: Saba Esmaeely, DNV GL | Vice Chair: Raghu Srinivasan, University of Alaska Anchorage
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MONDAY, MARCH 20

**Student Networking Event—SYP Unplugged**

8 to 11 p.m. • Urban Putt Denver

Students and young professionals under the age of 30 are invited out for a night of networking and fun with peers and select industry professionals in a relaxed setting. Enjoy music, food, and drink, and try your hand at some indoor mini-golf on this unique, technically sophisticated playground for people of all ages!

**Student/Young Professional (SYP) Leadership Training**

**SYP Resume & Interview Skills Workshop**

**Technical Program Committee**

**Technical Program Committee Informational Meeting**

**TCI-Oil & Gas Corrosion & Scale Inhibition—Drilling & Production**

**Why Do Coatings & Linings Systems Fail Prematurely? How to Investigate Premature Failures When They Occur**

**Presenter: 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 every year. Most 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 42 years in the coating industry. 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, epoxy intumescent fireproofing, polysiloxane, polyurethane, water-based acrylic, and polyurea are discussed with pictures of the actual failures shown. When a premature coating failure occurs, it is important to know how to investigate it using proper principles, techniques, and procedures. The tutorial will include a section on basic principles to employ when investigating a premature coating failure.
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

**TUESDAY, MARCH 21**

**2050-Optimization of Life Cycle Corrosion and Water Costs**

*Presenters: Amir Eliezer; Randy Moore, Tnemec Co., Inc. and AWWA Vice President; Doug Sherman, Principal-Corrosion Probe, Inc.; and James Keegan, Laboratory Service Manager-HDR*

The topic submission will focus on 2050-optimization of life cycle corrosion and water costs based on a cooperation between AMPP and AWWA members. Net zero refers to a state in which the greenhouse gases going into the atmosphere are balanced by removal out of the atmosphere.

The term net zero is important because—for CO₂ at least—this is the state at which global warming stops. The Paris Agreement underlines the need for net zero, requiring states to “achieve a balance between anthropogenic emissions by sources and removals by sinks of greenhouse gases in the second half of this century.”

Aligned with those long-term visions, this workshop will explore the practical application of corrosion control best practices to extend asset service life, lower life-cycle costs, and increase asset sustainability. The discussion will use the recently updated AWWA Manual of Practice M27, “External Corrosion Control for Infrastructure Sustainability” as the framework for the workshop discussion. The workshop will include a high-level review of the infrastructure corrosion control content and will focus on the following:

- Evaluating the Potential for Corrosion—Field and Laboratory Measurements, Stray Currents, MIC (Microbiologically Influenced Corrosion), and Effects of the Chemical Environment on Common Water Pipe Materials
- Atmospheric Corrosion—How Metals Corrode in the Atmosphere, Types of Corrosion That Can Be Expected, Methods of Control, Coating Evaluation and Stainless Steel in Aboveground Environments
- Corrosion Control of Water Storage Tanks—Corrosion of Water Tanks, Corrosion Prevention for Water Tanks, Protocol for Coatings Selection from AWWA Std. D102-21
- Corrosion of Steel-Reinforced Concrete Structures—Types of Attack on Steel-Reinforced Concrete Structures

The content will demonstrate practical approaches to corrosion control for infrastructure framed around the water sector but will have applicability to infrastructure in many other sectors.

**2-Coat Systems with 3-Coat Performance**

*Presenter: David Fernee, Sherwin Williams*

This will be a review of applications, specifications and cost savings for 2- and 3-coat systems.

**AMPPCares Volunteer Day**

*Exhibit Hall, Colorado Convention Center*

AMPPCares allows members to give thanks to our host city. This year, members team up to build 100 Corrosion Toolkits (cKits™) to be delivered to Denver area high school teachers. One kit alone can provide a classroom a fun and stimulating learning experience with hands-on curriculum that challenges, inspires, and educates students on coatings and corrosion. Attendees can drop by the Quad area in the exhibit hall to assemble kits as their time allows. In addition to the 100 kits that will be donated to Denver area high schools, attendees can assist AMPP with its goal of building 1,000 cKits™ for EMERG Student Outreach summer programming.
Program Schedule

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#AMPP2023

TUESDAY, MARCH 21

△ Advances in Materials for Oil and Gas Production Details—Day 2
Chair: Julio Maldonado, Chevron | Vice Chair: Eric Caldwell, GATE Energy
This symposium will feature technical papers that present advances in materials technology and research. The focus is on new and improved metallic materials and applications. This includes consideration and measurement of the material’s performance in its employed exposure environment.

AT Advances in Environmental Corrosion Monitoring for Industrial Controls and Data Centers
Presenters: Igal Brodetsky, Ph.D. and Earn Sakornpan, Cosasco
Environmental corrosion is becoming an issue as more and more servers and industrial controls are coming online. The presence of corrosive gasses in the atmosphere can slowly degrade the electrical connections in these systems, causing sudden and unpredictable system failures. Environmental corrosion monitoring can detect the presence of these corrosive agents and predict potential failures in data centers and industrial control servers. This presentation will discuss the current state of the art in environmental monitoring systems.

△ Alternative CRA Solutions for Clad Line Pipe
Presenters: Christian Begle and Thomas Auinger, voestalpine Grobblech GmbH
The use of roll bonded clad plates for line pipe is usually limited to a few CRA materials, typically austenitic CRA materials (e.g. 316L) for lower corrosion properties and nickel-based alloys (e.g. Alloy 625 or 825) for higher requirements. The gap between these CRA materials in corrosion behavior is quite large and not really used for line pipe applications. For example, the two CRA materials N08904 and S31254 have proven to be suitable solutions from a technical point of view. Additionally, by improving the rolling and measuring processes, a reduction of the CRA thickness, especially for nickel-based alloys, is possible at the final product and could be a beneficial option for future projects.

△ Anodic and Cathodic Protection—Day 2
Chair: Chair: Daniel Fingas, Corrosion Service Co. Ltd. | Vice Chair: Spencer Easthope, Transmountain Pipeline
This symposium includes technical papers regarding anodic and cathodic protection of metals in pipeline, oil, gas, and water systems.

△ Benefits of Galvanizing and Metallizing to Protect Steel Structures
Program Schedule

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Presenters: Kevin Irving, International Zinc Association; and Sudhir Palle, Research Engineer University of Kentucky

Presentations will be made on advantages and disadvantages of galvanizing and metallizing as steel corrosion protection measures as described by the experiences of both DOTs and paint manufacturers. This will include discussing any ongoing testing of duplex systems in laboratories and in the field. There will be discussions on using duplex coating systems on new steel and for maintenance operations that will discuss measures that need to be taken for recoat operations on galvanized/metallized steel. Standard Operating Procedures that DOTs have adopted for these operations will be debated.

Career Fair
8 a.m. to 12 noon • Colorado Convention Center

Whether you are a student, new to the industry, or a corrosion expert, the Career Fair can assist you with your professional path or your recruitment needs.

Job seekers: Establish professional relationships by connecting with registered employers. Take advantage of one-on-one conversations to gain a better perspective of what the industry has to offer you and insight into employers’ entry requirements.

Employers: Interact face-to-face with job seekers to gauge compatibility. Recruit candidates who are actively seeking employment in the industry and are eager to grow with your company. Register for a table at the fair by contacting Christine Lajzo at christine.lajzo@ampp.org or, for sponsorship opportunities, contact sales@ampp.org.

Certification Program Committee Meeting

Chemistry Issues in Shale Oil and Gas Development and Production
Chair: Qiwei Wang, Saudi Aramco | Vice Chair: Zhengwei Liu, Baker Hughes

This forum will provide a platform for industrial experts to discuss the challenges and corresponding chemical solutions encountered in the shale oil and gas fields development and production, including the industrial best practices and new advancements in control of bacteria, corrosion, and scale during hydraulic fracturing and hydrocarbon recovery stages.

cKit™ Training for AMPP Members

Exhibit Hall, Colorado Convention Center

AMPP members are invited to a drop-in event to be introduced to cKits™ (AMPP Corrosion Toolkits) 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. For more information contact Brandy Adams at brandy.adams@ampp.org or +1 281-228-6478.

Coatings Inspectors: Easy Eddie, Tough Tony, and Wise Wally
Chair: Michael A. Harkin, FeO, Inc.

Correctly identifying and managing your coating inspector has a major impact on the success or failure of your coatings project. This presentation will be an in-depth discussion based on the presenter’s May 2021 CoatingsPro Magazine article titled “Coatings Inspectors: Easy Eddie, Tough Tony, and Wise Wally.” Recognizing the three general types of coating inspectors, their different strengths and weaknesses, and (most importantly) how to handle them in a productive way will be discussed.

What’s New with QP Accreditation

Presenters: Dave Evans and Accreditation Staff, AMPP
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

Program Color Legend

- **AM**: Administrative/Other Meetings
- **AT**: AMPP Theater
- **F**: Forums and Workshops
- **IT**: Informational Track
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**TUESDAY, MARCH 21**

Find out more about navigating the future with QP Accreditation and learn what’s new with the QP Programs and AMPP’s Accreditation strategies. Learn about our goals and updates to the merit program, the Disciplinary Action Criteria, Standards, QP Corporate Benefits, and much more. We will also discuss our focus on business development and how you can be involved in the program and provide feedback for enhancements in QP’s future.

**Corrosion Control in Solar PV Structures**

**Presenters**: Angel Kowalski and Jason Land, DNV

Solar photovoltaic (PV) installations require support structures, typically steel to secure the panels to the ground. The section buried in the ground is exposed to soil corrosion, which, with underground structures, can be very complex. Products introduced into the soil and the water may be corrosive; the corrosion rate of the structure located at the soil-to-air interface could be significantly higher than that of the buried structure; a soil’s corrosive properties can vary greatly between different locations; and structural piles electrically connected to each other and to electrical ground could be exposed to higher corrosion rates.

Proper material selection and design of adequate corrosion control systems are key elements to consider when installing PV systems. Sample cases are presented to discuss some of the corrosion control challenges faced in the Solar PV installations.

**Corrosion in Nuclear Systems**

**Chair**: Sandeep Chawla, DNV USA, Inc. | **Vice Chair**: Sheewa Feng, Hanford Laboratory Management and Integration, LLC

This symposium will feature technical papers on materials-related issues encountered in the generation of nuclear power energy in light, heavy, and advanced nuclear power reactors and plants. Papers may include degradation mechanisms for materials and components in service. There could be papers on materials manufacturing and materials development techniques for current and advanced materials for nuclear power generation, including areas like additive or other advanced manufacturing techniques. Papers may also feature materials issues related to long-term plant operations and nuclear waste, including spent fuel extended storage and nuclear waste storage.

**Corrosion Management**

**Chair**: Brian Burgess | **Vice Chair**: Robin Tems, Hollybeach Corrosion Management

This symposium will feature recent technical papers on corrosion management implementations, lessons learned for these, and the development of new corrosion management philosophies.

**Corrosion of Additively Manufactured Materials**

**Chair**: Robert Mason, Concurrent Technologies Corporation | **Vice Chair**: Zineb Belarbi, National Energy Technology Laboratory
This symposium will feature presentations related to corrosion issues of additively manufactured (AM) materials. 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, and integrity or risk analysis and assessment, etc.

Depth of Cover in Canadian Shield Rock Distribution Pipelines Over 30% Smyth
Presenter: Deborah Smith
This will be a panel discussion on the depth of cover in rock for distribution pipelines under or above pipelines at 30% smyth.

EAPA Seminar—Intelligent Corrosion Control
Presenter: Bei Gu, AMPP
With staggering and increasing corrosion losses globally, stronger, smarter, and more sustainable technologies are needed for corrosion mitigation and control. For instance, smart materials have received wide interest for the development of next-generation surfaces and coatings capable of sensing corrosion and healing damages with minimal human intervention. On another front, intelligent machine learning approaches begin to demonstrate their power to better diagnose complex corrosion problems and more efficiently design corrosion-resistant materials. Following the successful EAPA seminars at past CORROSION conferences, this seminar will continue to focus on the topics relevant to intelligent corrosion control, including smart materials for corrosion protection, sensors and devices for corrosion monitoring and inspection, and corrosion modeling and prediction.

Electric Mobility: New Challenges for Corrosion Protection
Chair: Federico Bertasi, Brembo Spa | Vice Chair: Alessandro Mancini, Brembo Spa
This symposium features technical papers on corrosion phenomena in the automotive industry. The focus is on a) effect of vehicle electrification on the corrosion resistance of automotive components; b) advanced coatings toward a sustainable economy; and c) corrosion-resistance-oriented design of components. Papers on new materials, new characterization techniques, innovative approaches, case studies, and failure analyses may be included.

Ethics and Professional Practice Committee

Fellows Meeting Breakfast
All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

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**TUESDAY, MARCH 21**

7 to 8:30 a.m. • Colorado Convention Center

Fellows will have the opportunity to network with Fellow Honor recipients during a working breakfast meeting at the 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.

**AM** Guest Breakfast

**S** Headshot Station

8 a.m. to 5 p.m.

Did you know LinkedIn profiles with headshots get 21 times more views than profiles without a photo? Now’s your chance to update your professional or personal web page profiles. Stop by the Headshot Station for a photo and make a strong online impression.

Sponsored by:

[Headshot Station]

**F** Insulation Selection and Managing Corrosion Under Insulation

Presenters: Michael Pardo, S&B Engineers; and David Hunter, Hempel USA

One definition of sustainability is “the avoidance of the depletion of natural resources in order to maintain an ecological balance.” Reducing energy consumption and therefore, by definition, the natural resources to produce the energy, is not only good environmental practice but also good business practice.

This forum will discuss the engineering selection of insulation systems, their performance, and corrosion under insulation considerations.

**F** Latin America—What’s Going On?

The AMPP Latin America Area (LAA) Forum has been redesigned for AMPP 2023 and will be held in the exhibit hall to enhance the exchange of information and networking for both conference and exposition participants. The LAA Forum program will feature lectures that will present AMPP actions in the region, with emphasis on projects under development in cooperation with
local industry associations. The closing will celebrate AMPP’s presence in the region with a reception.

### Leading, Negotiating, and Advancing your Business

**Chair:** Pam Nicoletti, AMPP | **Vice Chair:** Tom Higginbotham, PPG

With this session, we'll cover the skills needed in business, including leadership, negotiating contracts, estimating jobs, and collecting when needed.

### Licensee & Partner Meeting

### Major Refurbishment of a Century Old Miter Gate: Opening the Path to the Regional Ship-Repair Industry Awakening

**Presenters:** Juan Caballero & Jeimy Bernal, Naval & Industrial Solutions

This presentation is intended to share all the experiences gained during surface preparation and paint application jobs and how this iconic project has a high impact toward raising the quality in the ship repair industry.

### Marine Coatings and Corrosion

**Chair:** Moavin Islam, Corrosion Forensics LLC | **Vice Chair:** Abdul Hameed Al-Hashem, Kuwait Institute for Scientific Research

This symposium features technical papers solicited for immersion and atmospheric type marine coatings with emphasis on new developments and field performance.

### Materials and Integrity in Oil Sands

**Chair:** Duane Serate, Suncor Energy Inc. | **Vice Chair:** Matthew Krantz, Alberta Innovations

This symposium features technical papers on oil sands from owner-operators, vendors, consultants, and researchers. Areas of interest include but are not limited to corrosion, failures, wear, process, material selection, asset integrity, and can be related to steam-assisted gravity drainage, downhole, mining, extraction, upgrading, pipelines, and other surface equipment/facilities.

### Microbiologically Influenced Corrosion

**Chair:** Jason Lee, Naval Research Laboratory | **Vice Chair:** Jodi Wrangham, Baker Hughes

This symposium features technical papers on microbiologically influenced corrosion (MIC), corrosion affected by the presence or activity of microorganisms. The diagnosis, mitigation, and monitoring of MIC will be detailed across multiple industries including oil and gas, water and wastewater, and maritime. Concentration on any aspect of MIC, including microbiological, chemical, electrochemical, and material science, may be included, as well as causal mechanistic and preventative studies.

### OSHA’s 1910.134 Respiratory Protection Standard

**Presenter:** Charles Brown, GPI

This forum will enable understanding OSHA’s requirements for an effective respiratory protection program.

### Pipeline and Hazardous Materials Safety Administration (PHMSA) Safety Forum

**Chair:** Kevin Garrity | **Vice Chair:** Alan Mayberry

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
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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 2023. Additionally, you’ll have the opportunity to hear from fellow members and stakeholders on the latest trends in pipeline safety.

 Pipeline Crossings: Steel-Cased, Thrust-Bored, and HDD
Chair: Michael Snow, Enbridge Liquid Pipelines | Vice Chair: Cay Strother, Integrity Solutions Field Services

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.

 Quality Assurance and Coating Inspection
Chair: Lake Barrett, KTA-Tator | Vice Chair: Charles Brown, GPI

This symposium features technical papers on the trends and challenges facing coating inspection across the water, pipeline, transportation, and energy markets. It will focus on assuring quality throughout the application of protective coatings and linings.

 Recent Developments in Austenitic Stainless Steels and Nickel Alloys Info Exchange

 Recent Developments in Duplex and Ferritic Stainless Steels Info Exchange

 Recent Developments in Materials for Geothermal Systems Info Exchange

 RIP—Environmentally Assisted Cracking and Hydrogen Embrittlement
Chair: Brendy Rincon Troconis, University of Texas at San Antonio | Vice Chair: Jenifer Locke, The Ohio State University

This RIP session includes presentations that focus on all aspects of environment assisted cracking and hydrogen embrittlement, with a specific focus on but not limited to cracking of stainless steels, magnesium, aluminum, nickel, additive manufactured, and
high entropy alloys and conventional or newly developing corrosion resistant alloys (CRAs). Studies related to the resistance of materials to the initiation and growth of cracks during stress corrosion cracking, corrosion fatigue, and hydrogen embrittlement are included. 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 featured. Work should focus on the latest results and research currently in progress.

**RIP—High Temperature Applications**

*Chair: Rajeev Gupta, North Carolina State University | Vice Chair: David Shifler, Office of Naval Research*

This RIP symposium is seeking abstracts that cover recent advances made in understanding high-temperature oxidation and corrosion and developing materials for high-temperature applications. The topics of interest include high-temperature material degradation issues in clean energy generating systems, hot corrosion, CMAS attack, metal dusting, sulfidation, thermal barrier coatings, environmental barrier coatings, corrosion-resistant materials, and molten salt corrosion. Recent developments in understanding the high-temperature oxidation of multi-principle element alloys and additively manufactured alloys are of special interest.

**RIP—Materials Protection and Performance in Construction and Infrastructure**

*Chair: David Bastidas, University of Akron | Vice Chair: Peter Ault, Elzy Technology Corp.*

This RIP symposium aims to gather current research and future trends on materials protection and performance in construction and infrastructure sectors. Topics related to corrosion prevention and coatings application in the broad area of corrosion of steel in porous media, building, construction, architecture, and infrastructure including offshore and onshore infrastructure, bridges, and concrete pipelines, are highly encouraged. Different aspects of materials protection and performance will be covered including pitting corrosion, uniform corrosion, chloride corrosion threshold, carbonation influenced corrosion, cathodic protection, stress corrosion cracking, fatigue corrosion, weld joints corrosion, corrosion inhibitors, additive manufacturing, new corrosion monitoring techniques, as well as modeling and simulation.

**Robotic Solutions for Corrosion Under Insulation (CUI) Inspections**

*Chair: Quinn Holub, Gecko Robotics*

CUI is corrosion that occurs in the base metal of storage tanks, pressure vessels, and other assets when moisture penetrates the outer insulation. Corrosion and damage to the insulation are difficult to detect without the costly process of removing insulation and performing a manual inspection. However, with recent developments in robotics-based NDT techniques, internal inspections reveal CUI without the need for expensive scaffolding or removing insulation. Through high-definition, color-coded corrosion maps, owner/operators can pinpoint CUI in the base metal and make data-driven asset maintenance and insulation repair decisions.

**Schedule by Day**

**Program Schedule**

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

**SC 03—External Coatings-Buried & Immersed**

**SC 12—Concrete Infrastructure—Day 1**

**SC 13—Corrosion Monitoring & Measurement**

**SC 14—Oil & Gas-Upstream**

**SC 18—Water & Wastewater**

**SC 19—Maritime**

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TUESDAY, MARCH 21

Scholarship Awards and EMERGing Leaders Bash: Celebrating Generation Next
7 to 8 p.m.—Scholarship Awards Ceremony*
8 to 11 p.m.—The Groove Merchants / Dancing
The Fillmore, Denver, Colorado
Make plans to join us as we celebrate the future of our industry by honoring and recognizing our 2023 outstanding students and scholarship recipients. After the ceremony, guests will enjoy light hors d’oeuvres, drinks, and dancing to the music of the Groove Merchants Band. This high-energy, world-class dance band is sure to keep the dance floor filled all night!

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

* To attend the Scholarship Awards Ceremony, you must have an EMERGing Leaders Bash ticket. Student registrants for AMPP 2023 receive a complimentary event ticket with their conference registration. Conference shuttles will be available for guests’ transportation needs. Limited hosted bar.

Silent Auction
Exhibit Hall Hours, Monday, March 20 to Wednesday, March 22 • Exhibit Hall, Colorado 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 22.

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

Standards Program Committee Meeting

Student Poster Session Viewing Session 2
Exhibit Hall
Chair: Saba Esmaeely, DNV GL | Vice Chair: Raghu Srinivasan, University of Alaska Anchorage

Student/Young Professionals (SYP) Track

Sweet & Sour Corrosion
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

Chair: Krista Heidersbach, Phillips 66 | Vice Chair: Carmen Fonseca, BP

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.

Students and young professionals under the age of 30 are invited to attend engaging sessions on various topics.

TC 07—Process Industries Committee Meeting

TC 10—Pipelines and Tanks Committee Meeting

TCI—Above Ground Information Exchange

TCI—Burried Service Information Exchange

TCI—Cleaning, Chemical, and Mechanical Information Exchange

TCI—Floating Roof Information Exchange

TCI—Oil & Gas Petroleum Refining and Gas Processing Information Exchange

TCI—Surface Prep Information Exchange

Vapor Corrosion Inhibitor Applications for Oil & Gas Assets Protection

Chair: Tunde Kingsley Adelakin, Kinder Morgan | Vice Chair: Benjamin Bussard, Consulex

This symposium features technical papers on mechanism, modeling, field experience, monitoring, and mitigation (design and inhibition). Papers that discuss top of line corrosion in a multiphase wet gas system when water vapor contained in the gas phase condenses on the internal upper pipe walls may be included.
Program Schedule

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WEDNESDAY, MARCH 22

Advanced Protective Coating Technology—Day 1
Chair: Benjamin Chang, PolyLab | Vice Chair: Tom Weber, Tom Weber Consultant
This symposium will feature papers in the following areas: Offshore Windmill Coating (>25 years™ service life), Offshore Deck Coating Subsea Coating, Advanced Coating Application Technologies, New Pipeline Coating Development, CUI Coating, Thermal Insulative Coating, Cathodic Disbondment Mechanism, Coating Blister Mechanism, and Rust Creepage Mechanism.

Alternating Corrosion
Chair: Ryan Buchs, EN Engineering | Vice Chair: David Kemp, DNV GL
This symposium features technical papers on alternating current (AC) interference on buried pipelines, AC-induced corrosion, AC risk assessment, monitoring, and mitigation.

AMPPCares Volunteer Day
Exhibit Hall, Colorado Convention Center
AMPPCares allows members to give thanks to our host city. This year, members team up to build 100 Corrosion Toolkits (cKits™) to be delivered to Denver area high school teachers. One kit alone can provide a classroom a fun and stimulating learning experience with hands-on curriculum that challenges, inspires, and educates students on coatings and corrosion. Attendees can drop by the Quad area in the exhibit hall to assemble kits as their time allows. In addition to the 100 kits that will be donated to Denver area high schools, attendees can assist AMPP with its goal of building 1,000 cKits™ for EMERG Student Outreach summer programming.

AMPP Rocky Mountain Chapter Meeting
Hyatt Regency Denver

AMPP Surfside Collapse Task Force Update Panel Discussion
Presentors: Greg Muha and Dustin Young, AMPP
Members of the AMPP Surfside Collapse Task Force that reports to the AMPP Technical Program Committee will share insights, lessons learned, and recommendations identified during the tenure of examining likely causes of this failure.
Program Schedule

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Beyond the Standard: Leadership Behaviors that Drive Results
Co-chaired by Stephanie Corey, Xcel Energy; Kailey Dharam, Dairyland; and Kelsey May, MESA

As leaders we want committed employees, happy customers, and thriving communities, but how do we connect the dots between our own leadership behaviors and these outcomes? That’s the question we will answer in an interactive, multi-generational forum that will leave you better equipped to drive results across diverse teams as you enhance the experience of your employees, customers, and communities. Together we will explore what becomes possible when we look and lead beyond the standard.

Uncommon Leadership for Uncommon Times
Presenter: Bob Chalker, CEO of AMPP

Bob will share the leadership challenges of merging two organizations with very different cultures, while contending with the Covid pandemic, and when companies were feeling new pressure to stake positions in an increasingly polarized society. Focusing on principles of mutual listening and respect, Bob already had transformed AMPP’s employee culture in a way that raised the bar for the entire organization, when: revenue went away overnight; an entirely new product/service delivery system had to be developed overnight; NACE/SSPC merger talks were going forward; employees essentially voted to become primarily remote workers; COVID, social, and historic political unrest created ongoing anxiety for many employees; in-person interaction between employees decreased significantly, impacting how teams build trust and familiarity. So much fear and turmoil. In this Zoom world, Bob will share great insight on how leaders keep moving forward.

Leadership and Lyrics
Presenters: Clay Brelsford and Jarret Brelsford, Bass Engineering

Customer service is a defining factor in an organization’s success. But with ever-evolving requirements and expectations, it can be hard to adapt. Join us as we explore Bass Engineering’s approach to customer relationships through the lens of a multi-generational leadership team. We’ll talk about how the workforce has changed from one generation to another, and how we can hum the tune of servant-focused leadership every day.

Businesses Have Neighbors: Social Responsibility with a Multi-Level Impact
Presenters: Mike Tachick and Kailey Dharam, Dairyland

Social responsibility can too often feel distant, complicated, or impersonal rather than a vibrant part of our company cultures. In this session, we will discuss how to facilitate meaningful community engagement to impact your employees, company, community members, and even larger societal challenges. To support practical application, we will use Dairyland’s partnership with Habitat for Humanity as a case study.

Self-Awareness and Self-Management Foundations of Emotion Intelligence
Presenter: Trispective Group

In this session, we lay the groundwork for interpersonal and leadership effectiveness by starting with the most essential aspects of EQ: self-awareness and self-management. Using Goleman’s EQ framework, we look at how our hard-wiring can work against us in high-impact, high-emotion situations and we share proven methods for self-management in moments when it matters most. We build on current research and high-profile examples and allow participants to explore their own triggers and apply learnings to their own challenges. Finally, we allow for sharing of personal best practices in small groups.

Chapter Officer Meeting

ace.ampp.org
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## WEDNESDAY, MARCH 22

### Coatings and Welding Inspection: Independent 3rd Party Services

**Chair**: Lake Barrett, KTA-Tator Inc. | **Vice Chair**: Charles Brown, GPI

This symposium features technical papers highlighting the importance of inspection services with a focus on proper welding and coating applications. This covers all aspects of quality assurance and provides an overview of the state-of-the-art techniques and procedures. Proper welding and coatings applications are paramount to ensure maximum life expectancy of steel structures. These papers will cover multiple markets including oil and gas, chemical processing, bridge and highway, water treatment, and power generation.

### CoatingsPro Magazine’s 2023 Contractor Awards Program Presentation

### College of Fire Knowledge

**Presenters**: William Dempster, Akzonobel; and Cabot Wilkinson, Carboline

Passive fire protection (PFP) materials have been in existence for hundreds of years protecting structures, assets, and lives. Over that same time frame, materials evolved into the modern systems of today providing not only fire but also corrosion, cryogenic, and chemical spill protection to the underlying substrate in a multitude of environmental conditions. Yet, passive fire protection is a misunderstood science and viewed as a necessary evil in the construction industry. The College of Fire Knowledge is designed to provide useable, practical knowledge to industry professionals in four segments.

- **Commercial PFP 101**
- **Hydrocarbon PFP 102**
- **Commercial PFP Materials 102**
- **Hydrocarbon PFP Materials 102**

Topics covered will be specific to each industry and provide information such as fire scenarios, environmental exposures, type certificates, and PFP materials. Guest lecturers will be experienced fire protection professionals.

### Corrosion of Bipolar Plates in Energy Conversion Devices

**Chair**: Matt Aliof, GM | **Vice Chair**: Gareth Hinds, National Physical Laboratory, U.K.

This symposium is focused on advances in the study of bipolar plate (BPP) corrosion in electrochemical energy conversion applications such as fuel cells (FCs) and water electrolyzers (WEs). Organizers will invite active researchers from the industry as well as academia to send their latest findings on related subjects for this symposium. The topics of papers for this symposium will include but are not limited to the estimation of ion release due to corrosion under different operation conditions, corrosion products and their solubility in WE/FC environments, interaction of corrosion products with other components of WEs/FCs, durability of BPPs and stacks, and models for lifetime estimation of BPPs.
Program Schedule

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Corrosion Protection in Offshore Wind
Chair: Gunnar Ackx, SCICON worldwide bv | Vice Chair: Lake Barrett, KTA-Tator

This symposium features technical papers related to the corrosion protection challenges in the offshore/wind/energy industry. What are the current solutions? What products, methods, and technologies could be introduced to improve on this?

Developing Strategies and Processes for Successful Corrosion Control of Amusement Park Assets Through Protective Coatings
Presenter: D. Terry Greenfield and Matt Mills, CONSULEX

This workshop will explore the corrosion control challenges faced by amusement parks and similar assets. Successful strategies include long-term vision in the selection of materials and their installation for the most effective asset protection, customer safety, and economic benefit. Attendees should expect to gain valuable insight and information that they can return with and leverage successfully to provide benefit to their operations and assets. Coatings asset management, corrosion control methodologies, materials selection, work management, quality control and assurance, and the processes to integrate all into a holistic corrosion management approach will be explored to the benefit of the attendees.

Electrochemical Techniques for Measuring Corrosion
Chair: Jeremy Moloney, ChampionX | Vice Chair: Fernando Farelas, Luna Innovations

The primary objectives of this session are (1) to increase the understanding of some of the subtle issues that arise when using electrochemical techniques in corrosion and corrosion control, and (2) to facilitate effective use of electrochemical techniques for corrosion measurement and monitoring.

EMERG Student Camp
10 a.m. to 3:30 p.m. • Student Quad, Exhibit Hall, Colorado Convention Center

A day-long camp for local high school students will be held in conjunction with AMPP 2023. Local students from Denver area high schools will participate in hands-on, coatings and corrosion-activities. Using cKits™ (AMPP Corrosion Toolkits), they will learn basic scientific principles of corrosion in topics such as oxidation, thermodynamics, and electrochemistry. Students will hear about research and career opportunities from industry professionals and university students while touring the AMPP 2023 show floor.

Volunteers are needed for this event. For information on how you can get involved, contact Brandy Adams at Brandy.adams@ampp.org or +1 281-228-6478. Sponsorship opportunities are also available. Please contact sales@ampp.org.

Flow Assurance in Oil and Gas Productions
Chair: Qiwei Wang, Saudi Aramco | Vice Chair: Larry Chen, Clariant

This symposium features technical papers on flow assurance, which is critical for the safe, economic, and efficient oil/gas recovery and processing. The symposium will present the new advancements in understanding as well as technical solutions related to corrosion, scale, and other oilfield chemistry issues in hydrocarbon production and transportation covering root-cause determination, modeling, laboratory investigations, and field case studies.
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**WEDNESDAY, MARCH 22**

**Global Partners Meeting**

**Guest Breakfast**

**Honoree Night**
6 to 10 p.m. • Hyatt Regency
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. Guests will enjoy a relaxing evening of networking, heavy hors d’oeuvres, and entertainment.

Tickets are available online or by contacting customersupport@ampp.org.

Space is limited; we recommended that you purchase tickets in advance. Interested in sponsoring? Contact sales@ampp.org or +1 281-228-6411 for more details.

**Inhibitors—Volatile Corrosion Inhibitors (VCI) and Surface Coated Rust Preventatives (RP)**
Chair: Cliff Cracauer, Cortec | Vice Chair: Jonathan Brekan, Daubert Cromwell

This symposium features technical papers on the application of volatile corrosion inhibitor (VCI) materials that are widely used to provide temporary corrosion protection for the surfaces of ferrous and non-ferrous metal parts. VCI materials compete with alternative temporary corrosion protection methods that include oils, greases, and waxes sometimes called rust preventatives (RP). VCI materials have also been used for oil/gas asset protection such as aboveground storage tank bottoms and pipelines. This symposium will include technology developments, case histories, best practices, and state-of-the-art research.
Program Schedule

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Integrated External Corrosion Management

Presenters: Keith Parker and Marc Rouleau, Enbridge Liquid Pipeline; Trey Johnston, Corrpro; Christophe Baete, Elsyca; Len Krissa and Paul Murray, Enbridge GTM; and Tom Hayden, EDI

Incorporating modeling and machine learning in a corrosion management program is the focus of this forum.

Internal Corrosion Management Program

Chair: David Velasco, Cosasco

This will be a roundtable discussion on leading and lagging indicators of internal corrosion, available technologies, and corresponding benefits/drawbacks.

ISO TC 35 US TAG

ISO TC 156 US TAG

Joint Accreditation Program Committee Meeting

Leadership Lunch: Diversity, Equity, and Inclusion: More than the Right Thing to Do

Presenter: Tracy Spears, Founder of the Exceptional Leaders Lab | Tickets $50 per person

Explore and discuss why diverse teams perform better, uncover personal and institutional biases, and leave with an action plan for building a truly diverse and inclusive organization.

Tracy Spears is a Certified Speaking Professional and the Founder of the Exceptional Leaders Lab. She specializes in developing leaders, inspiring teamwork, and enhancing inter-office communications. The innovative content in her keynote speeches and workshops is taken directly from her best-selling books, What Exceptional Leaders Know and The Exceptional Leaders Playbook. Her energetic and interactive approach has helped leaders and aspiring leaders all over the world improve their leadership skills, their communication, and their understanding of how people and organizations succeed.

Tracy is a graduate of the University of Oklahoma and an accomplished athlete who was a member of the U.S. National Softball Team. Tracy is a member of the National Speakers Association and is one of the highest rated leadership, diversity and inclusion, and team development coaches.

Sponsored by:

Mechanisms of Localized Corrosion

Chair: Helmuth Sarmiento Klapper, Baker Hughes | Vice Chair: Brendy Rincon Troconis, University of Texas at San Antonio

This symposium discusses mechanisms, traditional and novel research methodologies, modeling and monitoring approaches, real cases including failure analysis, as well as strategies to control localized corrosion in all industrial applications.
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

Program Color Legend

- **AM**: Administrative/Other Meetings
- **AT**: AMPP Theater
- **F**: Forums and Workshops
- **IT**: Informational Track
- **N**: Networking
- **S**: Symposia and Research in Progress (RIP)
- **SA**: Student Activities
- **SM**: Standards Committees/ISO/Technical Meetings

WEDNESDAY, MARCH 22

**Middle East Forum: Corrosion Control in Middle East Post-Covid**

Presenter: Gasem Fallatah, AMPP

For years and particularly before Covid there have been well established corrosion control methods and practices that are adapted in the different industrial sectors. However, and due to the impact of Covid and the limitations that had been imposed on all business practices, the corrosion control industry in the region had to adapt to the situation. The adaptation process to the “new normal” resulted in changes to what had been used as common corrosion control practices. In this forum, we will explore the adaptation methods created in this area and how it has successfully advanced the corrosion control practices post Covid.

**Pipeline Integrity—Day 1**

Chair: Matthew Ellinger, DNV | Vice Chair: Tod Barker, TDW

This symposium will feature 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.

**Powder Coatings and the Future of Coatings**

Chair: Tom Higginbotham, PPG

**QP 3 Subcommittee Meeting**

**QP Core Subcommittee Meeting**

**RAIS (Rope Access & Integrated Services): Alternative Access Solutions**

Chairs: Andy Shingledecker and Jason Caruso, Acuren Inspection, Inc.

The chairs will discuss the integrated capabilities and limitations of RAIS and the abilities and limitations of RAIS for mechanical services and Inspections. Safety and man hour exposure and RAIS vs. traditional scaffolding will also be covered. The audience will have the opportunity to ask questions.
Program Schedule

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▲ Recent Experiences with Austenitic and Duplex Stainless Steels
Chair: Nicole Kinsman, International Molybdenum Association | Vice Chair: Lena Wegrelius, Outokumpu
This symposium will feature technical papers on recent experiences with stainless steels. The focus is on end user experiences from the process industries such as chemical processing, pulp/paper, oil/gas, desalination, pharmaceutical, and power generation. Topics include successes, failures, material selection, fabrication, and new developments.

▲ Refining Industry Corrosion
Chair: Joe Yin, PBF Energy | Vice Chair: Nathaniel Sutton, The Equity Engineering Group
This symposium will feature technical papers on corrosion and material issues within the oil refining industry. Topics may include case histories, materials/coatings performance, damage mechanisms, failure analyses, laboratory studies, etc.

▲ RTS—Corrosion in Infrastructure
Chair: Chris Taylor, DNV | Vice Chair: Jozef Soltis, Rosen USA
This symposium will feature technical papers on corrosion and material issues within the oil refining industry. Topics may include case histories, materials/coatings performance, damage mechanisms, failure analyses, laboratory studies, etc.

▲ Sensing and Predictive Systems to Achieve Asset Integrity Objectives: Technology, Benefits, and Road Blocks for Deployment
The forum will explore the emergent sensing and predictive systems (sensors, smart materials, remote deployment), which may provide enhanced asset integrity via enhanced RBI against an accepted level of integrity risk, and debate concerns or barriers to uptake and deployment (amount of monitoring required; costs for deployment, system maintenance, and data management and interpretation; data extrapolation; incorporation of data from additional activities [e.g. NDE, process data]; and damage modes that need to be considered that are not well addressed).

▲ SC 01—Cathodic/Anodic Protection
▲ SC 02—External Coatings-Atmospheric
▲ SC 08—Metallic Material Selection & Testing—Day 1
▲ SC 09—Non-metallic
▲ SC 11—Electric Power
▲ SC 12—Concrete Infrastructure—Day 2
▲ SC 22—Biodeterioration
▲ SC 25—Accreditation Standards

ace.ampp.org
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- **SA** Student Activities
- **TM** Standards Committees/ISO/Technical Meetings

WEDNESDAY, MARCH 22

⚠ Silent Auction
Exhibit Hours, Monday, March 20—Wednesday, March 22 • Exhibit Hall, Colorado 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 22.

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

State of the Art: Marine Scrubbers
Presenter: Bud Ross, Nickel Institute

There will be four informal presentations on marine scrubber corrosion as a part of the committee (team members) meeting on the new AMPP Standard SP21541. The standard provides information about the materials used in the handling discharge wash water piping from marine exhaust gas cleaning systems (EGCS or scrubbers), and the welding procedures needed for optimum corrosion resistance.

Student Poster Session Awards Ceremony
Chair: Saba Esmaeely, DNV GL | Vice Chair: Raghu Srinivasan, University of Alaska Anchorage

TC 08 Utilities Committee Meeting

TCI—Carbon Capture & Storage (CCS) Information Exchange

TCI—Oil & Gas Non-metallics & Coatings Information Exchange

Thermal and Cold Spray Coatings
Chair: Shiladitya Paul, TWI | Vice Chair: James Weber, James K. Weber Consulting LLC

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
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to acemp.org for updates.

research on thermal spray processes and coating materials including field experience on thermal spray coatings, materials, processes, and strategies for corrosion control. Papers on thermal spray coatings of zinc, aluminum, and their alloys for corrosion mitigation with relevant field applications would be of great interest. Contributions on conventional and novel thermal and cold spray coating systems used to prevent corrosion of metal and reinforced concrete structures in all offshore and onshore environments will be covered.

Thermal and Cold Spray Processes and Applications in Corrosion Mitigation
Presenters: Shiladitya Paul, TWI; and James Weber, James K. Weber Consulting LLC
This session will cover interactive 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. The open-forum format will allow fruitful exchange of ideas that would otherwise not be possible in a traditional symposium.

Take Your Business to the Next Level, A Step-by-Step Guide for Coatings Contractors
Presenters: Dave Evans, AMPP
In this session we discuss strategies to not only gain access to better jobs and projects, but to increase the efficiency of your organization so you can take on even more projects. With more work coming in the door, increase your revenue and reduce rework through improved processes and efficiencies. We will map out the process of how to get there from start to finish, including the things you will need to become familiar with and how to determine what is needed for your business.

Ultrasonic Inspection for Corrosion Inspection
Chairs: Jorge T. Reyna, JRSA Inspections and Brenda de la Riva, Acum
The presentation objectives are: 1) explain the physical phenomena of ultrasonic testing methods; 2) explain techniques derived from ultrasonic testing as a nondestructive testing method; and 3) show how to use different types of conventional and advanced UT inspection systems.
All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

Program Schedule

THURSDAY, MARCH 23

Advanced Protective Coating Technology—Day 2
Chair: Benjamin Chang, PolyLab | Vice Chair: Tom Weber, Tom Weber Consultant
This symposium will feature papers in the following areas: Offshore Windmill Coating (>25 years™ service life), Offshore Deck Coating Subsea Coating, Advanced Coating Application Technologies, New Pipeline Coating Development, CUI Coating, Thermal Insulative Coating, Cathodic Disbondment Mechanism, Coating Blister Mechanism, and Rust Creepage Mechanism.

AST Tank Bottom Cathodic Protection (CP)
Chair: Husain Al-Mahrous, Yuxi | Vice Chair: Zhao Wei
This symposium features technical papers on comparative study of CP for tank bottom, applications, challenges, types of CP systems, and monitoring.

Conferences & Events Program Committee

Corrosion Control with Inhibition Between Oil and Gas
Chair: Haitao Fang, Baker Hughes | Vice Chair: Yao Xiong, ExxonMobil
This symposium features technical papers on mechanistic or application studies on corrosion inhibitors in oil and gas production and transportation systems.

Corrosion Mitigation Techniques and Evaluations for Water Infrastructure
Chair: Chrissy Henderson | Vice Chair: Bobbi Jo Merten, U.S. Bureau of Reclamation
This topic will showcase new and improved techniques for corrosion prevention, mitigation, detection, and condition assessment on water infrastructure. The various structures of interest include water transmission and distribution pipelines, storage tanks, gates, and other water control structures. Protective coatings and cathodic protection are the primary methods for corrosion mitigation, and new options for long-term corrosion protection and enhanced condition assessment tools are needed for these aging structures.
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

⚠️ Direct Assessment
Chair: Zineb Belarbi, National Energy Technology Laboratory | Vice Chair: Francois Ayello, DNV GL
This symposium features technical papers covering new technologies and methods, as well as case studies and histories in external corrosion, internal corrosion, hydrogen embrittlement, and stress corrosion cracking by way of direct assessments.

⚠️ High Temperature Materials and Corrosion
Chair: Bill Valerioti | Vice Chair: Bingtao Li, Haynes International
This symposium features technical papers for experience, testing, study, and practice of alloys and coatings when exposed to temperature of 400 C and above. The topics include material properties and performance, corrosion cause and mechanism, analysis and characteristics, alloy and coating development, and corrosion management in the processes of power generation, refining, chemical, and petrochemical industries, such as fossil and hydrogen combustion, solar energy, supercritical fluid, molten salt, steam methane reforming, synthesis gas processes in hydrogen, ammonia, and methanol production, etc.

⚠️ Hydrogen and Emerging Fuels
Chair: Saba Navabzadeh Esmaeely, DNV GL | Vice Chair: Chris San Marchi
This symposium will include technical papers related to transportation and storage of hydrogen and other low-carbon fuels. Specific topics may include material compatibility concerns, hydrogen embrittlement and HIC, integrity and risk management concerns, processing, and storage considerations. Additionally, practical experience from operation of pure hydrogen or blended hydrogen/natural gas systems is encouraged to help improve the industry knowledge related to transportation of emerging fuels.

⚠️ Hydrotesting, Mothballing and Preservation
Chair: Jodi Wrangham, BakerHughes | Vice Chair: Krista Heidersbach, Phillips 66
This symposia will feature papers related to corrosion and logistics issues associated with hydrotesting, mothballing or preserving equipment. Examples may be on and offshore, in the shop and in the field. Equipment may be new or previously in service. Specific practices to minimize corrosion, or real world examples of corrosion problems will be covered.

⚠️ Machine Learning for Corrosion Management
Chair: Francois Ayello, DNV GL | Vice Chair: Hao Chen, Energy Transfer Partner
This symposium features technical papers on how to model and/or manage corrosion using new machine learning techniques. This may include how to deal with large data sets, create digital twins, and model corrosion (or other time dependent material degradation mechanisms) using artificial neural networks, Bayesian networks, decision trees, etc.

⚠️ New Organic Coating Technologies for Reduced Environmental Impact and Enhanced Protection
Chair: Sean Fowler, Q-Lab Corporation | Vice Chair: Wei Wang, Arkema
This symposium features technical papers on recent innovations in coatings science with a direct relevance for protective coating systems, including new waterborne hybrid materials marrying conventional resins with fluorine and silicon chemistry, and new crosslinking approaches with lower impact on the environment and applicator health and safety. This symposium will explore the impact of these new innovations in full protective coating systems.
Program Schedule

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THURSDAY, MARCH 23

🔺 Pipeline Integrity—Day 2
Chair: Matthew Ellinger, DNV | Vice Chair: Tod Barker, TDW
This symposium will feature 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.

🔺 AM QP 5 Subcommittee Meeting

🔺 AM QP General Subcommittee Informational

🔺 Real Time Corrosion Monitoring for Process Applications: Technology, Experiences, Case Studies Details
Chair: Yougui Zheng, GATE Energy | Vice Chair: Tom Bos, Shell
This symposium will include papers on real time corrosion monitoring with an emphasis on advances in technology, user experience, or case studies. All the various techniques of real time monitoring may be included.

🔺 Recent Experiences with Nickel, Titanium, Zirconium and Other Corrosion Resistant Alloys
Chair: Ralph Bäßler, BAM | Vice Chair: Ajit Mishra, Corteva
This symposium covers technical papers related to the practical use and experience with corrosion resistant alloys including nickel base, titanium, zirconium, and other corrosion resistant alloys.

🔺 Research Program Committee Meeting Informational

🔺 SC 04—Linings & Internal Coatings

🔺 SC 08—Metallic Material Selection & Testing—Day 2

🔺 SC 17—Rail & Land Transportation
Program Schedule

All meetings will be held at the Colorado Convention Center unless otherwise indicated. Schedule is subject to change. Please refer to ace.ampp.org for updates.

- SC 20—Internal Corrosion Management
- SC 23—Coating System Application, Maintenance, and Inspection
- TC 04 Transportation Committee Meeting
- TC 11 Materials Committee Meeting
- TCI—Additive Manufacturing Information Exchange
- TCI—Fossil, Nuclear, Hydropower Generation Information Exchange
- TCI—Oil & Gas Materials Selection & Metallurgy—Information Exchange
- TCI—Oil & Gas Materials Selection & Metallurgy—Test Methods Learnings Information Exchange
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 4:45 PM.

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Complete Cathodic Protection Workflow

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- From the Field to the Office and Back
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**The Exposition**

**Expo Schedule**

Events are held during the day’s scheduled exhibition hours unless otherwise noted.

**Monday, March 20** — Grand Opening* ............................................................... 5 to 8 p.m.
Cathodic Protection (CP) Field
Coatings Experience
Silent Auction
Student Poster Session.................................................................Staffed 5 to 7 p.m.

**Tuesday, March 21** ........................................ 9 a.m. to 5 p.m. (unopposed hours 9 to 10 a.m.)
Cathodic Protection (CP) Field
Coatings Experience
Silent Auction
AMPP Cares Volunteer Days
cKit™ Training for AMPP Members
AMPPTheaters.................................................................9:30 a.m. to 5 p.m.
Complimentary Lunch (full conference attendees only) ......................11:45 a.m. to 1 p.m.
Student Poster Session.................................................................Staffed noon to 1 p.m.

**Wednesday, March 23** ................................................................. 9 a.m. to 5 p.m.
Cathodic Protection (CP) Field
Coatings Experience
CoatingsPro Magazine Annual Contractor Awards Program
AMPP Cares Volunteer Days
Silent Auction.................................................................9 a.m. to 4 p.m.
AMPPTheaters.................................................................9:30 a.m. to 5 p.m.
EMERG Student Camp ..........................................................10 a.m. to 3:30 p.m.
Student Poster Session Awards Ceremony.................................... 12:30 p.m.
Harley Giveaway.................................................................4:45 p.m.

*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 20.

**DID YOU KNOW....**

The New AMPP YouTube channel brings you the latest news and information about corrosion, coatings, asset protection, AMPP education, certification, conferences, events and much more!

youtube.com/c/AMPPorg
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AMPP ANNUAL CONFERENCE + EXPO
Exposition Events

AMPPiTheaters
The 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. See the AMPP Annual Conference + Expo website (ace.ampp.org) and final program for more information and theater assignments.

CoatingsPro Magazine Annual Contractor Awards Program
Designed to showcase and recognize the projects and crews that demonstrate excellence in the field of high-performance commercial and industrial coatings, the award acknowledges winners in the following categories: Commercial Concrete, Commercial Roof, Industrial Concrete, Industrial Steel, Specialty Project, Work It Safe, and Contractor Crew MVP. Winners will be announced on Wednesday, March 22.

Cathodic Protection Field
The field testing exhibit on the show floor is 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. Gain experience by performing tasks such as CP interference, alternating current voltage mitigation, and electrical isolation testing and short locating.

The Coatings Experience
The Coatings Experience is an interactive area that will introduce those interested in coatings to the “ins and outs” of surface preparation, coatings selection, application, and inspection plans in a fun and interactive way.

Heavy Equipment Area
See company displays of large scale equipment—skid mount vacuums, blasting systems, a combination of dust collectors or high-performance vacuum power units—up close and indoors in the exhibit hall.

“High Rollin’ for a Harley” Giveaway
AMPP is giving away a Harley Davidson and this is YOUR chance to win! Here's how: visit each “High Rollin’ for a Harley” sponsor during the AMPP Annual Conference + Expo to collect a playing card from each sponsors' booth. Once all playing cards have been collected, hightail it over to the Harley displayed 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:
This section features Students/Young Professional activities.

**AMPPCares 2023**

AMPPCares allows members to give thanks to our host city! This year, attendees team up to assemble cKits™ (Corrosion Toolkits) to be delivered to Denver area high school teachers. Just one cKit™ can serve an entire classroom and provide a stimulating, hands-on experience for students.

On Tuesday and Wednesday, attendees can drop by The Quad area on the exhibit hall floor to help construct kits in their free time. In addition to the 100 kits that will be donated to Denver area high schools, volunteers can aid us in reaching our goal of 1,000 assembled cKits™ to support our EMERG summer programs.

**cKit™ Training**

AMPP members are invited to a drop-in event to be introduced to cKits™ (Corrosion Toolkits) 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. Reserve some time on your AMPP 2023 calendar! The AMPP contact is Brandy Adams at +1 281-228-6478 or brandy.adams@ampp.org.

**EMERG Student Camp**

A day-long camp for local high school students will be held in conjunction with AMPP 2023. Local students from Denver area high schools will participate in hands-on, coatings, and corrosion-related activities, and using cKits™. Volunteers are needed. To get involved, contact Brandy Adams at +1 281-228-6478 or brandy.adams@ampp.org.

**Student Poster Display**

The AMPP Research Program Committee sponsors a Student Poster Session to encourage student involvement in the field of coatings and corrosion technology. Posters will be on display in the exhibit hall throughout exhibit hours with displays 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.

Sponsored by:

- bp

- *The Journal of Science & Engineering*

**Students/Young Professionals (SYP) Lounge**

Attendees under the age of 30 can visit the lounge in the Student Quad on the expo floor and take a break from the action, meet up with other students and young professionals, or schedule small, informal meetings in semi-private pods.
You will find us where quality is essential.

What do pacemakers and airplane engines have in common? They are examples of products where quality can not be compromised – that’s why Alleima alloys are crucial in the production of both.

Everything is new, nothing has changed. Sandvik Materials Technology is now Alleima, our quality stainless steel and alloys remain the same.

Read more at alleima.com
AMPP Connect

The Ultimate Networking Activity—AMPP CONNECT
A Program that Builds Opportunity for New Business Relationships

AMPP Connect is a hosted buyer program that matches buyers and sellers to create instant business connections at the world’s largest corrosion and coatings event. It helps sellers increase their potential to make prospect and customer contacts while helping buyers make effective business relationships with needed suppliers.

How it Works
The program invites prequalified buyers to attend AMPP 2023. Their way is paid to encourage participation and commitment to appointments with exhibitors, which are made in advance of the show.

Who are the Buyers? The Sellers?
Typically, buyers are senior decision makers responsible for making purchasing decisions for their organization locally or across the globe. They come from a range of different sectors all with a common goal: to find cathodic protection or industrial and protective coatings business partners for their organization.

All participating sellers are exhibitors of the conference and are suppliers of cathodic protection or coatings.

Benefits for Buyers!
• FREE full conference registration to AMPP 2023 sessions, workshops, and more! (A value of more than $1,000)
• Includes access to conference networking events and conference proceedings; opportunity to earn PDHs.
• A $700 travel stipend to be paid once 15 meetings with sellers have been completed.
• Access to a dedicated lounge area in the exhibit hall.
• Exclusive one-on-one time with sellers.

Who Qualifies?
If you organize, influence, or make decisions in the cathodic protection or coatings industry, you may be eligible to attend AMPP Connect as a hosted buyer. You will be required to give us detailed information about yourself and your business to make sure you meet our qualification criteria.

Benefits for Sellers!
• Meet one-on-one for 15 minutes with up to 15 vetted and qualified buyers.
• Receive contact information of all participating buyers to help make connections before, during, and after the event.
• Receive extensive buyer profiles regarding future projects, and needs.
• Opportunity to network with participants throughout the conference.
• Receive all this at an affordable price and at a cost much less than similar programs!

Who Qualifies?
If you are an AMPP 2023 exhibitor involved in cathodic protection or the coatings industry, you are eligible. You will be required to meet deadlines to select buyers for meetings and agree not to share buyer profile information with anyone outside of your company.

AMPP Connect, it’s a Win–Win!
Learn more about this exciting program at ace.ampp.org/ampp-connect or contact us by email:
Buyers—contact Meghan Leyva at meghan.leyva@ampp.org
Sellers—contact Sales at sales@ampp.org

Buyers who participate in AMPP Connect can attend Attend AMPP 2023 for FREE*
Exhibitors

10X Engineered Materials
www.10xem.com

A.W. Chesterton Company
www.chesterton.com

Abrasives, Inc.
www.abrasivesinc.com

Abriox, Inc.
www.abriox.com

Access Plug Flange, Inc. (APF)
www.inspectionplug.com

Accurate Corrosion Control, Inc.
www.accuratecorrosion.com

Acuren
www.acuren.com

Advance Products & Systems, Inc.
www.apsonline.com

Aerial Production Services Inc.
www.flyaps.io

Air Systems International
www.airsystems.com

AkzoNobel (International Paint)
www.internationalpaint.com

Alisto Engineering Group
www.alisto.com

Allied Corrosion Industries, Inc.
www.alliedcorrosion.com

Allredi (Marco)
www.allredi-us.com

American Carbon Co.
www.aiworldwide.com

Anotec Industries
www.anotec.com

APTUS
www.goaptus.com

Arkema, Inc.
www.arkema.com

Armacell
www.armacell.com

Asbury Carbons
www.asbury.com

Aspen Aerogels
www.aerogel.com

Atlantic Design Inc.
www.calladi.com

Atmospheric Corrosion Specialists Inc.
www.acspecialists.us

Automa SRL
www.byautoma.com

Axess-Corrosion
www.axess-corrosion.com

Axxiom Manufacturing
www.schmidtabrasiveblasing.com

AZMET Corp.
anismimet@aol.com

BAC Corrosion A/S
www.bacgroup.com

BAC Corrosion Control, Ltd.
www.bacgroup.com

BactiQuant

Baker Hughes
www.bakerhughes.com

Barton International
www.barton.com

Bayou Companies/The
www.bayoucompanies.com

BGH Edelstahlwerke GmbH
www.bg.de

Bio-Logic USA
www.bio-logic.net

BK Corrosion, LLC
www.bkcorrosion.com

Blair Rubber/MRC
www.blairrubber.com

BlastOne International
www.blastone.com

Borin Manufacturing, Inc.
www.borin.com

Brown Corrosion Services, Inc.
www.browncorrosion.com

BSS Technologies—
Bin Sari Specialized Technologies
www.bsstechnologies.com

CAPROCO
www.caproco.com

Carboline Global Inc.
www.carboline.com

Cathodic Protection Co., Ltd.
www.cathodic.co.uk

Cathodic Technology, Ltd.
www.cath-tech.com

CerAnode Technologies—
Division of APS Materials, Inc.
www.ceranode.com

CESCO
www.blastandpaint.com

American Innovations
www.anotec.com

The American Society for
Nondestructive Testing, Inc. (ASNT)

AMPP Media
www.ampp.org

AMPP Corporate Member
Event Sponsor

Exhibitors as of 8/18/2022
Exhibitors

C-FER Technologies (1999) Inc.  
www.cfertech.com

Champion Corrosion Products, Inc.  
www.championcorrosion.com

Chapman Engineering  
www.chapman.engineering

Chase Corp.-Tapcoate/Royston  
www.chasecorp.com

CHLOR*RID  
www.chlor-rid.com

ClampOn, Inc.  
www.clampon.com

Clariant Oil Services  
www.clariant.com

Clemco Industries Corp.  
www.clemcoindustries.com

CM BEASY, Ltd.  
www.beasy.com

Coatings Society of the Houston Area

Concrete Sealants, Inc.  
Concrete Sealants, Inc.

Corrosion Service Co., Ltd.  
www.corrosionservice.com

Cortec Corp.  
www.cortecvci.com

Cosasco

Cortest Inc.  
www.cortest.com

CRW (CleanWirx 207)  
www.cortest.com

CSI Services  
csiservices.biz

CSNRI (ClockSpring/NRI)  
www.cs-nri.com

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