ADVANCE PROGRAM
SSPC Annual Conference | December 13–16, 2021
Phoenix Convention Center | Phoenix, AZ
Thank you to our 2021 sponsors for their part in our final event!

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OFFICIAL PUBLICATION OF THE PROGRAM

Sponsors as of May 27, 2021
On behalf of the Board of Directors for the Association for Materials Protection and Performance (AMPP) Global Center, it is my pleasure to invite you to join us in Phoenix, Arizona as we present the final Coatings+ Conference for one last time.

Next year, AMPP will deliver a new conference bringing together the best of SSPC’s Coatings+ conference and the best of NACE International’s CORROSION conference. While we look forward to that event, we are pulling out all the stops to ensure that our last Coatings+ is one to remember!

Join us from December 13–16, 2021 when we host a range of timely and valuable technical sessions, more than 150 exhibitors, training courses, and numerous networking events and activities to help you advance your career or business and meet or reconnect with industry peers.

The conference will highlight the latest coatings technologies, inspection equipment, and professional services, and it will introduce a career fair where job seekers and employers can connect. On December 13th, we will honor the recipients of this year’s SSPC Individual and Structure Awards at a special celebratory awards luncheon.

Be there when experts from across the industry spectrum contribute to the robust technical program and sessions including panel discussions, and workshops covering topics such as coating application and inspection, fireproofing, green coatings, surface preparation, testing, and more.

Exhibitors from the industry’s leading companies will display innovative programs, products, and resources to help coatings professionals meet worldwide demand for asset protection.

For those looking to incorporate career advancement with their trip we will be offering our most popular training and certification courses in conjunction with the conference. Courses will be staggered throughout the week prior to the conference to allow students plenty of time to complete their course requirements and attend the conference, visit exhibits, and network with industry peers.

This will also be a wonderful time to learn more about the merger between SSPC and NACE and what to expect from AMPP in the years ahead. There is much to look forward to and there is no better time of year to visit Phoenix and enjoy the sunshine than December.

I look forward to seeing you at Coatings+.

Sincerely,

Joyce Wright
Chair, AMPP Global Center
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SURPLUS

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GPI
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AMPP has secured a block of rooms at the following hotels. We encourage everyone to stay at the official Coatings+ hotels. AMPP is contractually obligated to guarantee a level of usage for the hotels and holds a financial responsibility to do so. Please help us fulfill our contract.

<table>
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<tr>
<th>Hotel</th>
<th>Address</th>
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| Renaissance Phoenix Downtown | 100 N 1st Street               | 602.333.0000 | Single $269 USD
|                            | Phoenix, AZ 85004               |          | Triple $289 USD       |
|                            |                                |          | Quad $309 USD         |
| Sheraton Phoenix Downtown  | 340 N 3rd Street                | 602.262.2500 | Single $269 USD
|                            | Phoenix, AZ 85004               |          | Triple $289 USD       |
|                            |                                |          | Quad $309 USD         |

Government rooms are available on a first-come, first-serve basis. Visit www.sspc.org/event/coatings/ for more information.

**HOUSING SCAM WARNING**

AMPP is not affiliated with any housing services or bureaus. We will never call you offering additional discounts. If any third-parties contact you offering discounts or group pricing, do not disclose your information for they may charge your credit card for services not rendered. These companies are commonly referred to as “pirates” and falsely claim to represent associations.
### CONFERENCE PRICING

#### REGISTRATION PACKAGES

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#### TWO-DAY PASSES

(Choose from: Mon/Tue, Tue/Wed, or Wed/Thu)

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#### SINGLE DAY PASSES

*Includes full access to conference activities on selected day only

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#### EXHIBIT HALL ONLY

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#### GUEST REGISTRATION

*Includes access to social activities and Exhibit Hall only

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#### ADDITIONAL OPTIONS

*Included in Full Conference packages, may be purchased for Exhibit Hall Only passes or one-time event guests

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<td>Welcome Reception Ticket</td>
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<td>Awards Luncheon Ticket</td>
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*All pricing is in USD

### General Registration Information

Registration is available online from July 26, 2021 through December 10, 2021. After December 10, 2021, registrations will only be accepted on site at the Phoenix Convention Center.

### Advance/Full Registration

Full conference advance registrants will receive a USB copy of the technical proceedings on-site. Anyone registered after October 29, 2021 will receive online access to the proceedings after the conference.

### Student Registrations

To learn about the qualifications for becoming an AMPP student member and requirements for student registration, visit www.ampp.org/students. Requirements must be fulfilled before conference registration can be accepted.

### Guest Program Registration

As the guest of a registered attendee, guest registration allows access to social activities and the Exhibit Hall. It does not allow access to technical presentations, workshops, and meetings.

### Conference Registration Payment and Information

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

If you have a disability that may hinder your participation, fax a written description of your needs to +1 281.228.6329 and an AMPP staff member will contact you.
Standard Cancellation Policy: Paid registrations cancelled in writing at least 60 calendar days or more prior to the start of the event will receive a full refund, less a 10% service fee. Paid registrations cancelled in writing 59 to 30 days before the starting date of the event will receive a refund of 50% of the registration fee. No refunds or 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 $100.00 USD. Transfers may not be made less than 14 days before the event begins. This policy supersedes any previously published policy regarding the cancellation process for AMPP Conferences. All requests for transfer or cancellation must be submitted in writing to firstservice@nace.org. No refund will be processed if the registrant is a no show.

Right to Deny or Remove: We reserve the right to deny registration or admission to or remove any party from the conference, in our sole discretion.

GENERAL INFO AND POLICIES

Coatings+ Location
Phoenix Convention Center
100 N 3rd Street
Phoenix, AZ 85004

Getting to Phoenix
The closest international airport to fly into is:
Phoenix Sky Harbor International Airport (PHX)
3400 E Sky Harbor Blvd
Phoenix, AZ 85034

COVID-19 Precautions
All registrants must complete the COVID-19 Waiver during the registration process.

The safety of our Coatings+ participants is important to us. AMPP will continue to monitor the COVID-19 guidance set forth by the Centers for Disease Control and Prevention (CDC) and make adjustments as required. AMPP and conference participants will be required to follow all COVID-19 safety measures required by the event venue that are in place at the time of the conference. More information about these requirements will be provided closer to the event.

Visa Application for International Delegates
Any individual traveling from an international location into Phoenix will need to check the U.S. Department of State website to identify their specific country visa requirements.

For detailed listings of whether you will require a U.S. visa in order to attend Coatings+, please visit: travel.state.gov.

If an invitation letter is needed for a visa application, submit your request with confirmation of registration to letters@ampp.org.

Official Conference Language
The official conference language is English.

Dress Code
The dress code for all official conference activities is business casual.

Manage Itinerary
Create your personal schedule of events, forums, symposia, and meetings before you attend the conference. Access the Coatings+ visual schedule on the “Agenda” page at www.sspc.org/events/coatings.
AMPP Information Kiosk
Got a question? We can help. AMPP staff will be available to help you with directions or answer general conference questions. The kiosk will be located at the East Entrance of the Phoenix Convention Center.

AMPP Store
Looking for a certain book on coatings? Visit the AMPP Store where you can browse numerous coatings and corrosion-related books, standards, reports, and software. Hundreds of products will be available, with many of them at special sale prices. The AMPP Store will be located on the 3rd floor of the North Building in the Phoenix Convention Center.

AMPP Sales Office — Marketing Solutions:
Advertising, Exhibits, Annual Conference sign up!
The AMPP Sales Office gives you one-stop access to information on marketing to the entire corrosion/protective coatings universe: upcoming AMPP events; advertising in Materials Performance, CORROSION journal, and CoatingsPro Magazine; and a variety of cross-media options.
The sales office is located in the AMPP booth. Hours are the same as the Exhibit Hall schedule.

Social Media
Keep up with all things Coatings+ on social media. Follow AMPP on Twitter, Instagram, LinkedIn, and Facebook. Use #coatingsplus to connect with speakers and attendees!

Code of Ethics
The Fundamental Principles
Members uphold and advance the integrity, honor, and dignity of the members’ profession by using their knowledge and skill for the enhancement of human welfare; being honest and impartial, and serving with fidelity the public, their employers, and clients; and striving to increase the competence and prestige of the corrosion engineering profession.

The Fundamental Canons
A. Members shall hold paramount the safety, health, and welfare of the public in the performance of their professional duties.
B. Members shall perform services only in the areas of their competence.
C. Members shall continue their professional development throughout their careers and shall provide opportunities for the professional development of those members under their supervision.
D. Members shall act in professional matters for each employer or client as faithful agents or trustees and shall avoid conflicts of interest.
E. Members shall build their professional reputation on the merit of their services and shall not compete unfairly with others.
F. Members shall associate only with reputable persons or organizations.
G. Members shall issue public statements only in an objective and truthful manner.
H. Members shall not maliciously injure the reputation, prospects, or business of others, but this does not remove the moral obligation to expose unethical conduct.
I. Members shall act in a manner that respects and values the diversity of our members, staff, partners, customers, and suppliers, and should strive to promote recognition and participation by individuals regardless of differences. AMPP specifically prohibits sexual harassment by or against any employee, member, officer, director, or other volunteer, vendor, or customer; and such conduct will not be permitted or condoned.
Anti-Harassment Policy
AMPP is committed to providing an environment free of sexual harassment (which includes harassment based on gender, pregnancy, childbirth, or related medical conditions), as well as harassment based on such factors as race, color, religion, national origin, ancestry, age, physical disability, mental disability, medical condition, marital status, sexual orientation, gender identity, gender expression, workers’ compensation leave, veteran status, or any other condition or characteristic protected by law.

We expect all participants at Coatings+ to abide by this Anti-Harassment Policy in all venues at Coatings+, including ancillary events and official and unofficial social gatherings.

+ Exercise consideration and respect in your speech and actions.
+ Refrain from demeaning, discriminatory, or harassing behavior and speech.
+ Be mindful of your surroundings and of your fellow participants.
+ Alert AMPP staff if you notice harassment.

If you are being harassed, notice that someone else is being harassed, or have any other concerns, please contact Meghan Leyva at +1 361.779.1387 on-site immediately.

Alcohol Consumption Policy
AMPP is committed to the health and well-being of its staff, members, customers, event participants, and vendors. The association expects individuals who choose to consume alcohol at AMPP-affiliated events to do so legally and in moderation. The use of alcoholic beverages by any participant at a AMPP-affiliated event shall be in compliance with federal, state, and local laws. Persons who infringe upon the rights of others, who conduct themselves in a disorderly manner, or who damage or destroy property shall be subject to disciplinary and/or criminal action. All Coatings+ participants are expected to abide by this alcohol policy in all venues at Coatings+, including ancillary events and official and unofficial social gatherings. Participants shall conform to the requirements of this policy and all other applicable AMPP policies, including but not limited to the AMPP Code of Ethics and anti-harassment policies.

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- NEW Larger 2.8” impact resistant color touchscreen and redesigned keypad for quick menu navigation
- NEW Weatherproof, dustproof, and water-resistant—IP65-rated enclosure
- NEW Updated user interface retains the same layout and menus
- NEW Up to 30% longer battery life
- NEW On-gage help explains menu items at the touch of a button
- NEW Ergonomic design with durable rubberized grip

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www.defelsko.com

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Minor Policy for AMPP Conferences

Children under the age of 15 are not permitted in the Expo, meetings, and technical presentations. Children over the age of 15 must be registered as guests and wear badges at all times while in the convention center. To accommodate nursing mothers, the following will apply:

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

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

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

4. Strollers and rolling carts are not allowed in the Exhibit Hall at any time.

5. Childcare is not available at the convention center; however, your hotel concierge may be able to assist you. Please note that AMPP has no affiliation with these services.

Questions?

Meghan Leyva
+1 281.228.6206
meghan.leyva@ampp.org
### SUNDAY, DECEMBER 12, 2021
- 12:00 PM–4:00 PM  Phil Calvo Memorial Golf Tournament

### MONDAY, DECEMBER 13, 2021
- 7:00 AM–5:00 PM  Exhibitor Move-In
- 9:00 AM–11:00 AM  Concurrent Technical Sessions
- 11:30 AM–1:00 PM  Awards Lunch
- 1:30 PM–5:00 PM  Concurrent Technical Sessions
- 5:30 PM–7:30 PM  Welcome Reception

### TUESDAY, DECEMBER 14, 2021
- 7:00 AM–3:00 PM  Exhibitor Move-In
- 8:30 AM–10:00 AM  Keynote Breakfast
- 10:30 AM–12:00 PM  Concurrent Technical Sessions
- 1:30 PM–4:30 PM  Concurrent Technical Sessions
- 5:00 PM–8:00 PM  Exhibit Hall Open

### WEDNESDAY, DECEMBER 15, 2021
- 8:00 AM–11:00 AM  Concurrent Technical Sessions
- 11:00 AM–4:00 PM  Exhibit Hall Open
- 11:00 AM–4:00 PM  Complimentary Lunch in Exhibit Hall
- 1:00 PM–3:30 PM  Concurrent Technical Sessions

### THURSDAY, DECEMBER 16, 2021
- 8:30 AM–11:30 AM  Concurrent Technical Sessions
- 10:00 AM–3:00 PM  Exhibit Hall Open
- 11:30 AM–1:00 PM  Complimentary Lunch in Exhibit Hall
- 1:00 PM–3:00 PM  Concurrent Technical Sessions
- 3:00 PM–8:00 PM  Exhibitor Move-Out
- 7:00 PM–9:00 PM  Closing Blast

### EXHIBIT HALL HOURS
- Tuesday, Dec 14  5:00 PM–8:00 PM
- Wednesday, Dec 15  11:00 AM–4:00 PM
- Thursday, Dec 16  10:00 AM–3:00 PM

### REGISTRATION HOURS
- Sunday, Dec 12  12:00 PM–4:00 PM
- Monday, Dec 13  7:00 AM–6:00 PM
- Tuesday, Dec 14  7:00 AM–7:00 PM
- Wednesday, Dec 15  7:00 AM–5:00 PM
- Thursday, Dec 16  7:00 AM–2:00 PM
CONFERENCE ACTIVITIES

PHIL CALVO MEMORIAL GOLF TOURNAMENT
Sunday, December 12, 12:00 PM–4:00 PM
*registration will be limited
Start your week at Coatings+ with a relaxing round of golf in the midst of the McDowell Mountains at the TPC Scottsdale’s Champions Course, which boasts both beauty and playability. Teams of 4 or individual players are welcome. Sponsorships are also available (see pg 25)!

AWARDS LUNCH
Monday, December 13, 11:30 AM–1:00 PM
Join your peers and our AMP leaders as we gather together to honor the 2021 award recipients.

WELCOME RECEPTION
Monday, December 13, 5:30 PM–7:30 PM
Always a favorite social event, the 2021 Welcome Reception kicks off Coatings+ in Phoenix, as attendees and exhibitors connect over drinks and hors d’oeuvres. Drink tickets will be provided at registration. Sponsored by Carboline.

KEYNOTE BREAKFAST
Tuesday, December 14, 8:30 AM–10:00 AM
Don’t miss this year’s keynote speaker, Lisa Bodell, a global leader on behavior change who will help teach you some practical techniques to get back to the basics, ignite simplification and innovation within, and get back to the work that really matters.

FACILITY OWNERS LUNCH AND PEER TECHNICAL DISCUSSION SESSION
Tuesday, December 14, 11:30 AM–1:00 PM
Facility owners are invited for a complimentary lunch to thank them for their commitment to SSPC standards and quality programs for their industrial coating projects. An open forum peer technical discussion session on best practices and solutions will follow lunch. Facility Owner’s RSVP is appreciated. Please email Jim Kunkle at jim.kunkle@ampp.org. Sponsored by IUPAT.

POSTER SESSION
Tuesday, December 14, 3:00 PM–4:00 PM
Wednesday, December 15, 10:00 AM–11:00 AM
One of the goals of SSPC is to bring more young people into the organization. The Poster Session provides a forum for college students and young professionals to participate in the conference. For more information, email papers@sspc.org.

EXHIBIT HALL OPENING RECEPTION
Tuesday, December 14, 5:00 PM–7:00 PM
Help celebrate the official opening of the 2021 Coatings+ Exhibit Hall; attendees are invited to a reception on Tuesday evening. Hors d’oeuvres, beer, wine, and soft drinks will be served. Enjoy this excellent opportunity to network with people in from all aspects of the coatings industry and to peruse the very latest offerings from our vendors.

PARTICIPATE IN THE CAREER FAIR AT COATINGS+ 2021!
Wednesday, December 15, 11:00 AM–3:00 PM
Whether you are a student, new to the industry, or an industry expert, take advantage of the Career Fair. Our goal is to assist you with your career and recruitment needs.
Job Seekers – find your dream job and connect with registered employers.
Employers – register to recruit your dream candidates.
Our team is developing plans and we are excited to share more details soon!

PROFESSIONAL DEVELOPMENT PANEL
Wednesday, December 15, 3:30 PM–5:00 PM
The Professional Development Panel brings an opportunity for Young Professionals, students, and anyone else new to the industry to attend an educational leadership discussion. This is a great opportunity to meet and network with PCS certified industry mentors and subject matter experts in a relaxed setting. Our team will also be sharing some plans for opportunities and resources we have in store whether you are new to the industry or looking to mentor those who are!

LUNCH WITH EXHIBITORS
Wednesday, December 15, 11:30 AM–1:00 PM
Thursday, December 16, 11:30 AM–1:00 PM
SSPC and our sponsors invite you to meet and mingle during exhibit hours for a complimentary lunch.

CLOSING BLAST
Thursday, December 16, 7:00 PM–9:00 PM
Join your friends and colleagues, both old and new, as we bid farewell to Coatings+ one final time, and help us celebrate as we toast an exciting future ahead together as AMPP!
AWARDS LUNCH

We are excited to join together to honor the 2021 award recipients at the annual Awards Lunch, to be held on Monday, December 13, 2021. Awards will be given in the following categories:

THE WILLIAM JOHNSON AWARD
For outstanding achievement demonstrating aesthetic merit in industrial or commercial coatings work.

THE E. CRONE KNOY AWARD
For outstanding achievement in industrial or commercial coatings work that demonstrates innovation, durability, or utility.

THE CHARLES G. MUNGER AWARD
For the outstanding industrial or commercial coatings project demonstrating longevity of the original coating. The structure may have had spot repairs or overcoating with the original coating still in-tact.

THE GEORGE CAMPBELL AWARD
For outstanding achievement in the completion of a difficult or complex industrial or commercial coatings project.

THE MILITARY COATINGS AWARD OF EXCELLENCE
This award is in recognition of the exceptional coatings work performed on U.S. military ships, structures, or facilities.

THE ERIC S. KLINE AWARD
For outstanding achievement in industrial coatings work performed in a fixed shop facility. The project can be repair work or new construction.

THE SSPC COATINGS INDUSTRY SPIRIT AWARD
For the outstanding industrial or commercial coatings.

THE SSPC HONORARY LIFE MEMBER AWARD
Recognizing extraordinary contribution and long-term activity on behalf of SSPC.

JOHN D. KEANE AWARD OF MERIT
Named for SSPC’s executive director from 1957 to 1984, acknowledges outstanding leadership and significant contribution to the development of the protective coatings industry and to SSPC.

THE RICHARD W. DRISKP COATINGS EDUCATION AWARD
For significant development and dissemination of education material and technical information relating to protective coatings and their application.

THE SSPC TECHNICAL ACHIEVEMENT AWARD
Recognizing outstanding service, leadership, and contribution to the SSPC technical committees.

WOMEN IN COATINGS IMPACT AWARD
Recognizes women in the coatings industry who contribute to creating a positive impact on the culture of the industry. These women are leaders in their profession and demonstrate commitment to the advancement of the coatings industry.

PRESIDENT’S LECTURE SERIES AWARD
This is presented to papers handpicked by the SSPC president and chosen for their reflection of the coatings industry and profession.

THE SSPC OUTSTANDING PUBLICATION AWARD
Presented to the author(s) of the best technical paper or presentation.

SSPC OUTSTANDING CHAPTER AWARDS
Presented to the Outstanding North America Chapter and the Outstanding International Chapter. Chapters are evaluated on the overall operation of the chapter and the creativity and quality of the events that they hold each year.
KEYNOTE SPEAKER—LISA BODELL
FutureThink CEO; Global Innovation and Change Expert; Best-Selling Author, *Kill the Company* and *Why Simple Wins*

Lisa Bodell is a global leader on behavior change, whose skill-building firm has transformed hundreds of thousands of employees from Fortune 500 companies by showing them how to Eliminate the Complexity that holds them back and Get to the Work That Matters.

Her talks offer a roadmap to eradicate the workplace complexity that is killing organizations’ ability to be agile, fast, and innovative. In order to experience this trifecta of competitive advantage, organizations must embrace simplicity as a basic operating principle, and Lisa’s content and energy move them to action.

A dynamic keynote speaker, Lisa empowers audiences with thought-provoking examples and practical techniques that ignite simplification and innovation immediately. Praise for her talks include: “the best speaker yet — engaging and energetic” (Google); “revolutionary and compelling” (Accenture); “incredibly unique and thought provoking” (Mastercard Worldwide); “immediately actionable” (Citigroup).

The Technical Program consists of technical paper presentations over the following topic areas. Each peer-reviewed paper will be available to access through the conference proceedings. The following schedule is subject to change. For a full schedule, please go to www.sspc.org/coatings-2021.

**MONDAY**
- Testing
- Coating Application, Types, and Characteristics
- Corrosion
- Insulation and Corrosion

**TUESDAY**
- Pipeline
- Severe Environments
- Coating Failures
- Oil and Gas
- Concrete
- Environmental Health and Safety

**WEDNESDAY**
- Leadership
- Coating Formulation
- Surface Preparation
- Inspection
- Green Coatings

**THURSDAY**
- Case Studies
- Tanks
- Coating Application, Types, and Characteristics

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Tnemec’s ultra-durable MicroClean™ system creates a seamless “bathtub effect” from floor to ceiling, and can withstand aggressive cleanings with chemicals, steam or hot pressurized water. Perfect for food and beverage facilities that must remain clean and USDA compliant on every surface, the MicroClean coating system offers antimicrobial properties alongside excellent resistance to impact, abrasion and thermal shock. And, every Tnemec product is delivered on-time and formulated to perform, helping you and your crew finish your projects without unwanted delays or application issues. [To request free samples of our high-performance floor and wall products, including the MicroClean system, visit Tnemec.com/StrataShield.](https://www.tnemec.com/stratashield)
**TESTING**

*In-Line 3D Characterization of Substrates Through Final Coat*
  - Presented By: Erik Novak, Onto Innovation

*Influencing Factors Affecting the Reproducibility of Weathering Tests*
  - Presented By: Chelsea Todd, Atlas Material Testing Technology

*Importance and Correlation of Accelerated Weathering Versus 10 Years of South Florida Exposure*
  - Presented By: Remi Briand, Alaina Rickard, & Laura Burton, Tnemec Company, Inc.

**Coating Application**
  - Presented By: Samanbar Permeh, Florida International University

*High Water Flow Adhesion Test — Preliminary Results*
  - Presented By: Allen Skaja, Bureau of Reclamation

*ASTM International — Champions of Choice, Exploring the Value of Standardized Testing*
  - Presented By: Tim Fitzgerald & Cody Kocyon, Tnemec Co., Inc.

*Measuring Pull-Off Adhesion: What Does It Really Tell Us?*
  - Presented By: Stuart Croll, North Dakota State University

**Coatings on the Edge of Forever**
  - Presented By: Carl Reed, Retired

**COATING APPLICATION, TYPES, AND CHARACTERISTICS**

*New SSPC Paint 47 Fluoropolymer Topcoat Standard for Protective and Restoration Coatings*
  - Presented By: Kurt Wood, Arkema, Inc.

*Thermal Spray for Corrosion Protection*
  - Presented By: Kevin Irving, International Zinc Association; & Sarah Wilson, ILDOT

*Use of Duplex Coating Systems for Protection of Structural Steel*
  - Presented By: William Corbett, KTA-Tator, Inc.

*A New Urethane Technology With Silane Crosslinking for the Formulation of One Component Systems for the Protective Coatings Markets*
  - Presented By: Daniel Wang, Covestro LLC

*Evaluation of Inhibitor Coating Systems for Use in Hydropower Applications*
  - Presented By: Stephanie Prochaska, Bureau of Reclamation
CORROSION

Ultrathin Permanently Installed Ultrasonic Thickness Sensors, and Applications for Hard to Reach Thickness Measurement Locations
  Presented By: Pedro Bordieri & Thomas Fink, Technofink

A Novel Surface Preparation Technology to Enhance Corrosion Protection
  Presented By: Sarah Specht & Julia Heigl, PPG

Protection of 304 Stainless Steel From Chloride Pitting and Crevice Corrosion Using a Novel One Coat System
  Presented By: David Morton, Hempel A/S

Novel Inspection Technology for Proper Surface Preparation
  Presented By: Andrew Recker, Borchers

INSULATION & CORROSION

Insulative Coatings — Fit for Purpose
  Presented By: Arin Shahmoradian, SPI Coatings

Field Application of Third Generation Polysiloxane Coating Systems
  Presented By: Peter Bock, Performance Polymers Americas, LLC; & James Reynolds, Performance Polymers EMEA, BV

Review of Test Methods for CUI Coatings and Introduction of a New, Small Scale, Accelerated Test Method
  Presented By: David Morton, Hempel A/S

Surface Decontamination Significantly Reduces Vulnerability to CUI
  Presented By: Loren Hatle, Corrosion Exchange, LLC

Development of Novel Epoxy Closed-Cell Foam for Personnel and Corrosion Protection
  Presented By: Osmay Oharriz, Belzona
PIPELINE
Advantages of a True 100% Epoxy, Pipeline Coating in Cold Weather vs. The Commonly Used Vinyl Ester Coatings
Presented By: John Glass, Pipeline Coatings Systems

Thermoplastic Epoxy Coating System for Girth Welds
Presented By: Clairene Bazilio, Therma Vault Systems Inc.

SEVERE ENVIRONMENTS
The Use of Coatings to Control Algae Growth Wastewater (and Water) Facilities
Presented By: Steven Roetter, The Sherwin-Williams Company

Effect of Cure Time on Corrosion Protection of Epoxy Polysiloxanes in Immersion Service
Presented By: Carter Gulsvig & Allen Skaja, Bureau of Reclamation

Reinforced Epoxy Linings Offer Maximum Concrete Service Life Protection for Severe Wastewater Exposures: Will the True Reinforced Epoxy Linings Please Stand Up?
Presented By: Vaughn Odea & Remi Briand, Tnemec Company, Inc.

COATING FAILURES
Ontology-Based Semantic Modeling for Steel Bridge Coating Systems: Toward Data-Driven Approaches for Analyzing Steel Bridge Coating Premature Failure
Presented By: Lu Zhang, Florida International University

Utilizing Coating Defect Analysis to Enable Better Performance and Enhanced Lifetimes
Presented By: Melinda Shearer, PPG

Solving Your Paint Problem With Forensic Engineering
Presented By: Robert Lezzi, RAI Technical Solutions, Inc

OIL & GAS
Novel Hot Spread Epoxy Technology
Presented By: Vijay Datta & Mike O’Donoghue, AkzoNobel

Oil and Gas Pipelines — Coating Failure or End of Coating Life
Presented By: Jeffrey Didas, Accurate Corrosion Control, Inc.

Creating and Applying a Single Coat Nano Non-Skid Deck Epoxy
Presented By: Joe Davis, Tesla NanoCoatings Inc.

Painting System for Application on High Temperature Surface — Operator’s Experience
Presented By: Muhammad Zaid Kamardin & Muhammad Saiful Nizam, PETRONAS, Malaysia
CONCRETE

Caveat Emptor! Preparing Cementitious Mortars to Support High-Performance Lining Systems: Broom Finish or Blasted Surface?
  Presented By: Vaughn Odea & Remi Briand, Tnemec Company, Inc.

My “Poly” Has Bubbles: The Continued Challenge of Pinholes & Bugholes With Thick-Film Concrete Coating Work
  Presented By: Dudley Primeaux, Primeaux Associates LLC

Choosing the Correct Technology for Lining Concrete
  Presented By: Brian Huffman, The Sherwin-Williams Company

What Testing Is Relevant When Coating Concrete Tanks
  Presented By: John Sierzega, The Sherwin-Williams Company

ENVIRONMENTAL HEALTH & SAFETY

Respiratory Protection Compliance for the Surface Preparation and Coatings Industry
  Presented By: Ely Macaraeg, Bullard Company

Regulatory Update: New and Revised Regulations and Actions Affecting the Coatings Industry
  Presented By: Alison Kaelin, A8Kaelin, LLC

The Future of Robotics in Confined Spaces for Sandblasting, Coating, and Inspections
  Presented By: Norman Spence, Spence Corrosion Services Ltd

Building an OSHA Respirator Program
  Presented By: Charles Brown, Greenman-Pedersen, Inc.

Asbestos on Concrete Bridges; Awareness, Compliance, Abatement
  Presented By: Gary Caldwell, 1 Priority Environmental Services, LLC.
LEADERSHIP TRACK

Expectations and Leadership—Safety and Quality
  Presented By: Joseph Singerhouse, Vulcan Painters, Inc

Crisis Management for Construction Projects
  Presented By: Akram Saad, Hill International

COATING FORMULATION

Efficacy of Zinc Content in Sacrificial Protection of Coatings
  Presented By: Nicole Rakers & Mary Lyn lim, PPG

Study of Corrosion Resistance for Blends of FEVE Fluoropolymer and Acrylic Resins
  Presented By: Donald Lawson, AGC Chemicals Americas, Inc.

Corrosion Resistance Comparison of Zinc-Rich Epoxy With Reduced Zinc Levels
  Presented By: Mary Roley & John Gentry, Carboline

Can Low Zinc Epoxy Primers Work as Well as Traditional Zinc Rich Epoxy Primers?
  Presented By: David Morton & Alex Yague, Hempel A/S

SURFACE PREP

National Shipbuilding Research Program Surface Preparation and Coatings Panel SSPC 2021 Update
  Presented By: Arcino Quiero Jr., HII-Newport News Shipbuilding

Advancements of Multipurpose, Semi-Autonomous Machines Utilizing Dry Abrasive Medias and UHP for Surface Preparation

Improving Surface Preparation Process via Electronically Controlled Vapor Blasting
  Presented By: Thomas Fink & Pedro Bordieri, Technofink

Latest Research Into Blast Nozzle Design and Efficiency
  Presented By: Jim Gooden & Graeme Thomas, BlastOne International

Power Tool Surface Preparation in Shipyards
  Presented By: Eric Shoyer, Elzly Technology Corporation

The Profit Making X-FACTOR in Abrasive Blasting Cost Calculations
  Presented By: Charlie Gooden, BlastOne International

Developments in Abrasive Blast Nozzle Technology: Reducing Noise Exposure While Preserving Nozzle Performance and Usability
  Presented By: Matthew Sullivan, Oceanit

Surface Preparation Advancements and History
  Presented By: Lee Wilson, Corrtechltd

Don’t Let Your Eyes Deceive You
  Presented By: Ken Rossy, HoldTight Solutions Inc.
INSPECTION

I.T.P., You T.P., Shouldn’t We All T.P.?
Presented By: Gunnar Ackx, SCICON worldwide bvba

Coating Inspection — Is a Manufacturer’s Rep a Good Choice for Project Coating Inspection?
Presented By: Murray Heywood, Sherwin-Williams Protective & Marine Coatings

Coating Condition Assessments: The First Step in Fighting Corrosion on Aboveground Storage Tanks
Presented By: Lake Barrett & Adam Beers, KTA-Tator Inc

Owner, Contractor, and Third-Party Inspector Perspectives: Understanding Quality Control and Quality Assurance in a Quality Management System
Presented By: Lake Barrett, KTA-Tator Inc; Kenny Jaros, American Water; & Sam Scaturro, Alpine Painting & Sandblasters

What Do You Really Need to Know to Be a Good Coatings Inspector?
Presented By: William Corbett, KTA-Tator Inc

Using DFT Scanning Probe Technology on Smaller or Narrower Coated Substrates
Presented By: David Barnes, Elcometer Limited

How to Inspect Thermal Spray Zinc Metalizing
Presented By: Bernardo Duran, International Zinc Association

Adhesion Testing: How to Make It Stick in Assuring Coating Performance
Presented By: Kirk Shields & Randy Nixon, Corrosion Probe, Inc.

GREEN COATINGS

WB HRZS: Green Before Green Was Cool
Presented By: Earl Ramlow, Polyset Company

Green Alternative Surface Preparation for Maritime and Coastal Substrate Exposures = Minimizing Environmental Impact While Extending Asset Life
Presented By: Don Futch, Teknos

Novel Hydrolytically Stable Silane Additives for Improving the Performance of Waterborne Acrylic Roof Coatings
Presented By: Jacob Shevrin, Evonik Corporation

Maximum Sustainability
Presented By: Huzaifa Matawala, Regent Paints Inc.

U.S. Army Combat Capabilities Development Command (DEVCOM) Safer Alternatives for Readiness (SAFR) Program: Modernizing Army Coatings Technologies
Presented By: Jacquelynn Fenyak, Jensen Hughes
CASE STUDIES

Determining Coating Removal Surface Impact Using SEM and EDS Analytical Techniques: A Comparative Study
Presented By: Peter Yancey, SCICON worldwide bvba

Automated Surface Preparation and Lining Installation in Penstocks and Large Diameter Water Pipes
Presented By: Davinder Khangura, BC Hydro; & Tyler Colby, Jewel Welding Pipe Fab and Coatings

Is It Time to Update Abrasive Blasting Specification for Steel Bridges
Presented By: Mark Hudson, The Sherwin-Williams Company; & Gerald Calpin, Liro Group

Using Digital Twin for Asset Integrity Management — A Subsea Equipment Use Case
Presented By: Otavio Correa & Jorge Luiz Seleme Mariano, Vidya Technology

Immersed Hydraulic Steel Structure Corrosion Protection — Rust Busters Prize Competition
Presented By: Christine Henderson, Bobbi Jo Merten, & Grace Weber, Bureau of Reclamation

TANKS

Automation in Storage Tank Coating
Presented By: Onno Kerpel, VertiDrive

Tank Lining Selection and Informed Speculation: A Holistic View
Presented By: William Seawell, Carboline

Advantages of Using 100% Solids Epoxy as Potable Water Linings
Presented By: Eric Zimmerman, Sherwin-Williams Protective Coatings

COATING APPLICATION, TYPES, AND CHARACTERISTICS

Graphene Zinc Anti-Corrosion Coating and Its Applications
Presented By: Tony Guan, Toppen Technology LLC

Preventing Corrosion on Edges and Crevices via Stripe Coating
Presented By: Thomas Fink & Pedro Bordieri, Technofink

Cleaning and Coating Drones — A Look at What’s Coming in 2021
Presented By: Robert Dahlstrom, Apellix; and Mike Hindmarsh, AkzoNobel
Coatings+ Workshops are non-paper presentations that provide attendees with useful training and skills on popular coatings topics, professional and employment development, and addresses changes and programs resulting from the recent merger of SSPC and NACE International to create AMPP: Association of Materials Protection and Performance.

**MONDAY**

+ **Achieving Sustainable Development Goals With the Use of Foul Release Systems in Underwater Hulls: An Inspector’s Experiences on Drydocking Challenges and How to Overcome Them**
  Presented By: Juan Caballero, Naval & Industrial Solutions
  The use of Foul Release Systems in marine vessels contributes to accomplish Global Sustainability Development Goals. Adequate dry-docking inspection during the application of this type of coating systems is essential for a successful project execution. Therefore, it is important that the inspector understand how the foul release systems helps to meet the Sustainable Development Goals, have knowledge on adequate procedures, and possess experience to overcome main inspection challenges in the field.
  Foul Release Systems provide fouling protection, minimize the impact on marine ecosystems, reduce fuel consumption, and lower carbon emissions generation. Coating manufacturers have designed special surface preparation and paint application procedures for achieving system expected performance. This special procedures requirements can be challenging to achieve for the applicators, and the inspector’s expertise to manage this type of situations is highly important in order to successfully perform in these demanding projects.

+ **Coatings 101**
  Presented By: Charles Brown and Chris Farschon, Greenman-Peederson, Inc.
  The workshop will provide an overview of an industrial protective coatings project, including design considerations, material selection, surface preparation guides, ambient conditions, and basic quality control techniques. What participants will attain out of this course is a basic understanding of how protective coatings are specified and applied to meet the goals of a project. We will review and present typical inspection instruments used on a paint project, surface preparation guides, how to read a product data sheet, and how to measure ambient conditions.

+ **Certification & Credentialing at AMPP: The Basics**
  Presented By: Ben Babcock, Ph.D., AMPP
  During this forum, AMPP Senior Psychometrician Ben Babcock, Ph.D. will present information about AMPP credentialing, the certification development process, and how you can get involved. The presenter will cover topics such as:
  - Differences between education and certification/credentialing
  - Credentialing standards
  - Development process for certification exams
  - AMPP’s multi-tiered credentialing strategy
  - How you can get involved
  - AMPP certification exam resources
  - Benefits of Computer-Based Testing
  - Q&A
  We are excited about this opportunity for direct face-to-face discussions about credentialing at AMPP!
WORKSHOPS

+ Available Training for DoD or DoTs
Presented By: TBD
Do you work with or for the Department of Defense or a Department of Transportation? Come to this event and hear about offerings designed specifically for you and find out what funded training is available for you.

+ EMERGE Program
Presented By: Kim Ray, AMPP
Are you involved with students in high school, college, or universities? Programs are being tailored at AMPP specifically for those students, and we want to work with you to engage your students in getting them prepared to find careers in the coatings industry.

+ Craftworker Training and Certification — How to Get Ahead in Your Career
Presented By: TBD
Are you currently working in blasting and application? If so, come to this interactive program and map out the next steps in your career path.

TUESDAY

+ Basics of Passive Fire Protection
Presented By: David Hunter, Hempel
This workshop will cover the basic passive fire protection considerations including:
  + Why fire protected
  + Design and durability of materials
  + Quality control
  + Material selection considerations

+ Inspector Level Training and Certifications — What’s New and What’s Changed
Presented By: TBD
Get a preview of the new Coating Inspection Program (CIP), which incorporates changes from Protective Coatings Inspector (PCI), learn how to renew your AMPP certification, and understand upcoming changes.

+ What’s New With the QP Program?
Presented By: Dave Evans, Accreditation Manager, AMPP, and Bob McMurdy, Business Development, AMPP, Past President, SSPC
Hear the latest updates for the Qualification Procedures (QP) program including status of the new QP committees, developments of a parallel path for Coating Application Specialist (CAS) certification, and general program updates and developments.
WEDNESDAY

+ Cathodic Protection 101 for the Coating Professional Session 1 & 2
Presented By: Patrick Cassidy & James Ellor, Elzy Technology Corp.

This presentation will cover the basics of cathodic protection (CP) on marine and underground structures that a professional working in the coatings industry needs to know. There is an obvious overlap in corrosion control between the use of CP and coatings, as the two methods are typically used concurrently to protect assets. It is essential that coating professionals have a basic understanding of how CP works and how it affects their work. During the two-hour paper session, a discussion of the basics of CP will be held, focusing on the interaction of coatings and CP, and why asset owners, spec writers, coating applicators, inspectors, and paint manufacturers all need to have an understanding of CP mechanisms to adequately do their jobs. Other talks during the paper session will focus on case studies of coating failures and RDT&E in the area of CP and coatings.

This session will be followed by a two-hour workshop with hands-on experiments and training for all types of coating professionals, including engineers, inspectors, coating formulators, etc. The workshop will demonstrate basic CP principles with small table level experiments, demonstrate the use of CP and coating test instruments, and provide for a face-to-face informal Q&A session for coating professionals to have their CP-related questions answered.

+ In Focus: CoatingsPro Contractor Award Winners
Presented By: Stephanie Chizik, AMPP

CoatingsPro Magazine will be celebrating this year’s Contractor Awards Program with case histories from various winners, highlighting successful problem solving, safety considerations, savings, innovations, and efficiencies.
WORKSHOPS

**+ Craftworker Training and Certification, How to Get Ahead in Your Career**
Presented By: TBD
Are you currently working in blasting and application? If so, come to this interactive program and map out the next steps in your career path.

**+ Inspector Level Training and Certifications — What’s New and What’s Changed**
Presented By: TBD
Get a preview of the new CIP, which incorporates changes from PCI, learn how to renew your AMPP certification, and understand upcoming changes.

**THURSDAY**

**+ Coating Failure Investigation Workshop: Make the Fix Better Than the Problem**
Presented By: Valerie Sherbondy & Rick Huntley, KTA-Tator, Inc.
When premature coating failures occur there are often arguments, allegations, and finger-pointing as attempts are made to determine fault and who will be on the hook financially. Sometimes, assumptions are made with incomplete information and the rework results in a second coating failure. This workshop will follow the steps of collecting background information, conducting a site visit, forensic analysis, and development of a failure mechanism. Participants will guide the investigation by choosing what data they feel is significant to the investigation and failure resolution. Using the information collected, the participants will determine what went wrong, who is at fault, and how to remedy the situation so that the fix is better than the initial application and a repeat failure does not occur.

**+ Coating Adhesion Over Different Profile Heights and Different Blast Media**
Presented By: Andrew Croll, Finishing Trades Institute of Western PA
In this workshop, individuals will learn that not only the profile height, but the type of blast media also impacts the coatings adhesion. Coatings will go through a pull off test on panels blasted with different medias as well as different profile heights. Individuals will take profile measurements with method C (replica tape) and then use a hydraulic pull of tester on pre-epoxied dollies.

**+ Certification & Credentialing at AMPP: The Basics**
Presented By: Ben Babcock, Ph.D.
  + Differences between education and certification/credentialing
  + Credentialing standards
  + Development process for certification exams
  + AMPP’s multi-tiered credentialing strategy
  + How you can get involved
  + AMPP certification exam resources
  + Benefits of computer-based testing
  + Q&A
We are excited about this opportunity for direct face-to-face discussions about credentialing at AMPP!
JOIN US FOR THE 3RD ANNUAL PHIL CALVO MEMORIAL GOLF TOURNAMENT

Start your week at Coatings+ with a relaxing round of golf in the midst of the McDowell Mountains at the TPC Scottsdale - Champions Course, which boasts both beauty and playability. Proceeds benefit the AMPP Scholarship Fund.

**When**
Sunday, December 12, 2021

**Where**
TPC Scottsdale - Champions Course
8243 E. Bell Rd.
Scottsdale, AZ 85260

**DON’T MISS OUT ON A PRIME SPONSORSHIP OPPORTUNITY!**

For more information, please contact:
Heather Lowry | +1 281.228.6205 | heather.lowry@ampp.org
This list of training courses is preliminary, and courses will not be confirmed until November 17, 2021. For more information on training courses being offered at Coatings+ 2021 and training registration, contact:

Sara Badami | badami@ampp.org | +1 412.281.2331 x 2208

**REGISTRATION**
Registration for all SSPC Training Courses must be done separately from the Coatings+ conference registration. Information on how to register can be found at sspc.org.

Information and complete descriptions of the training courses can be found at:

sspc.org/training-and-education/#_lists

**DEADLINE**
If you are interested in taking a course at Coatings+, please keep in mind that there is a deadline date to register.

Registration Deadline Date | November 17, 2021

**LOCATION**
All classes will be held onsite at the Phoenix Convention Center.

**ROOM & BOARD**
Each student is responsible for their own room and board. For hotel information, please see page 33.

**REGISTRATION FORM**
Download the training registration form at:

sspc.org/search-training-events/
ABRASIVE BLASTING PROGRAM (C7)

Training Dates: December 13–14, 2021
Member $845 | Non-Member $1,045

C7 is designed for contractor personnel who wish to obtain certification or others who wish to learn about dry abrasive blast cleaning of steel. It covers principles of surface preparation, surface cleanliness, surface profile, dust and debris control, and abrasives. Note: A certificate of attendance will be given to those attending the lecture portion and observing the blaster demonstration.

AEROSPACE ENGINEER COATING APPLICATION TRAINING

Training Dates: December 13–16, 2021
Member $1,020 | Non-Member $1,220

The objective of this course is to support corrosion prevention and control during the lifecycle of the Department of Defense aircraft. The course provides participants with training and includes multiple workshops and problem-solving exercises so that participants may immediately apply the learning in a classroom setting, without the pressures of production and project schedules.

+ Explain how proper design is required to prevent corrosion.
+ Define the performance properties needed to qualify, validate, and verify a coating for aircraft.
+ Define military documents, specifications, and requirements for corrosion control of aircraft.

BRIDGE COATINGS INSPECTOR PROGRAM (BCI)

BCI Level 1: December 10–14, 2021
Member $1,145 | Non-Member $1,345

BCI Level 1/2: December 10–15, 2021
Member $1,545 | Non-Member $1,745

The BCI course covers the fundamentals of how to inspect surface preparation and application of protective coatings on bridge steel. The course covers unique situations that will affect inspection in the field (e.g., containment, field safety hazards, changing weather conditions), as well as the fundamental inspection skills required to inspect new bridge steel painted in the shop, in the field, or maintenance systems applied in the field.

COAST GUARD BASIC PAINT INSPECTOR COURSE (COAST GUARD)

Training Dates: December 11–15, 2021
Member $1,095 | Non-Member $1,295

This is a five-day inspection course that was developed to train coatings inspectors in those duties and responsibilities involved in inspecting surface preparation and application for the U.S. Coast Guard.

COATING APPLICATION SPECIALIST REFRESHER (CAS REF)

Training Date: December 11, 2021
Member $395 | Non-Member $595

The Coating Application Specialist Refresher is an overview of surface preparation and application covered in the Body of Knowledge of SSPC-ACS 1/NACE No. 13 Applicator Certification Standard No. 1 Industrial Coating and Lining Application Specialist Qualification and Certification. This training program covers those topics for Levels 1 in the areas of surface preparation and coating application. Level 1 training is especially designed for entry-level employees new to the coatings industry.

COATING APPLICATION SPECIALIST (CAS) LEVEL 1

Training Date: December 12, 2021
Member $250 | Non-Member $350

This part of the CAS program consists of a one-hour written exam. Basic Level 1 qualification is intended for entry-level/trainee Application Specialists. Level 1 Application Specialists customarily work with and under the supervision of Level 2 and Level 3 Application Specialists.
COATING APPLICATION SPECIALIST (CAS) LEVEL 2

Written Exam: December 12–13, 2021  
Member $200 | Non-Member $300

Hands-On Exam: December 2021  
Member $675 | Non-Member $775

The CAS Level 2 Certification Program requires passing a closed-book written exam drawn from the core areas of the SSPC Transition Plan “Body of Knowledge”: Environmental, Safety and Health, Surface Preparation, Coating Application, and Equipment/Troubleshooting. The hands-on portion of the testing certifies proficiency in abrasive blasting and coating application using conventional or airless spray. A minimum grade of 70% is required on the written exam and a minimum grade of 90% is required on the hands-on practical exam in order for a painter to be considered for (CAS) certification.

FIREPROOFING INSPECTOR CERTIFICATION EXAM

Training Date: December 16, 2021  
Member $300 | Non-Member $500

The exam will focus on the inspection tasks associated with thick-film and thin-film intumescent coatings as well as other forms of fire protection. You must take the e-course and meet a minimum of a Coating/Painting certification (Example: SSPC BCI Level 1, SSPC NBPI, SSPC CCI Level 1, NACE CIP Level 1, ICORR Level 1, Frosio Level 1).

FUNDAMENTALS OF PROTECTIVE COATINGS (C1)

Training Dates: December 11–15, 2021  
Member $1,020 | Non-Member $1,220

This course provides a practical and comprehensive overview for those who are new to the protective coatings industry. It is also an ideal refresher for reviewing the fundamentals of corrosion and the use of coatings as a protective mechanism against corrosion and deterioration of industrial structures.

INSULATION INSPECTOR CERTIFICATION EXAM

Training Date: December 16, 2021  
Member $300 | Non-Member $500

The exam will focus on basic corrosion, design, standards and specifications, quality assurance and quality control, health and safety, insulation inspector’s duties, and the application of insulation. You must take the e-course and meet a minimum of a Coating/Painting certification (Example: SSPC BCI Level 1, SSPC NBPI, SSPC CCI Level 1, NACE CIP Level 1, ICORR Level 1, Frosio Level 1).

CONCRETE COATING INSPECTOR PROGRAM (CCI)

CCI Level 1: December 10–13, 2021  
Member $945 | Non-Member $1,145

CCI Level 1/2: December 10–14, 2021  
Member $1,145 | Non-Member $1,445

The objective of this course is to thoroughly train and certify individuals in the proper methods of inspecting surface preparation and installation of protective coatings on industrial concrete structures and facilities.

COATING INSPECTOR PROGRAM LEVEL 1 (CIP)

Must register for this specific course.

Training Dates: December 10–14, 2021

Advanced Price: Member $2,377 | Non-Member $2,645

Regular Price: Member $2,542 | Non-Member $2,789

CIP Level 1 covers the technical and practical fundamentals of coating inspection work. Students will be prepared to perform basic coating inspections using non-destructive techniques and instrumentation. This course provides students with knowledge and application of coating materials, along with techniques for surface preparation.
LEAD/HAZARDOUS COATINGS REMOVAL (C3)

Training Dates: December 12–15, 2021
Member $995 | Non-Member $1,195

C3 includes information on the hazards of lead and other toxic metals, and the current legal and regulatory environment. Topics include protecting workers; compliance with environmental regulations; proper management of waste streams and operations that result in potential exposures to lead; and associated control technology. The course also addresses reading specs and developing programs to control risks to workers, the public, and the environment. The course concludes with a discussion of insurance and bonding issues, and an introduction to other safety and health issues.

LEAD/HAZARDOUS COATINGS REMOVAL REFRESHER (C5)

Training Date: December 15, 2021
Member $395 | Non-Member $595

This one-day course provides a review of Competent Person duties and responsibilities in working with lead and other hazardous materials encountered in industrial coatings work. It also reviews relevant OSHA and EPA regulations.

NAVSEA BASIC PAINT INSPECTOR (NBPI)

Training Dates: December 10–15, 2021
Member $1,345 | Non-Member $1,545

The course was developed by Naval Sea Systems Command (NAVSEA) to train coatings inspectors to inspect critical coated areas as defined by US Navy policy documents. These areas include (but are not limited to): cofferdams, decks for aviation and UNREP, chain lockers, underwater hull, bilges, tanks, voids, well deck overheads, and others. What makes this course especially valuable is that it also provides both the technical and practical fundamentals for coating inspection work for many steel structure projects other than ships.

PIPELINE INSPECTOR CERTIFICATION EXAM

Training Date: December 16, 2021
Member $300 | Non-Member $500

The exam will focus on the inspection tasks associated with pipelines, as well as common pipeline coatings, methods of surface preparation and application, safety, quality assurance, standards, and best practices. You must take the e-course and meet a minimum of a Coating/Painting certification (Example: SSPC BCI Level 1, SSPC NBPI, SSPC CCI Level 1, NACE CIP Level 1, ICORR Level 1, Frosio Level 1).

PLANNING AND SPECIFYING INDUSTRIAL COATINGS PROJECTS (C2)

Training Dates: December 11–15, 2021
Member $1020 | Non-Member $1220

This course is designed to provide those who understand coating fundamentals with an overview of the principles of planning, awarding, and monitoring the quality of new construction or maintenance painting projects. After completing this training program, students will be familiar with tools to develop effective coating projects and play a more active role in managing painting projects to successful completion.

PROTECTIVE COATINGS SPECIALIST PROGRAM (PCS)

Training Date: December 16, 2021
Member $500 | Non-Member $700

The PCS certification program awards recognition to individuals who have in-depth knowledge in the principles and practices of industrial coatings technology. Certification attests to the professional credibility of the coatings practitioner and raises the standards of the profession.
SPRAY APPLICATION CERTIFICATION (C12)

Training Dates: December 15–16, 2021
Member $820 | Non-Member $1,020

This program assesses the skills of sprayers who have a minimum of 800 hours applying protective coatings with airless/conventional spray in an industrial or marine environment. Candidates are certified through a brief certification written exam and a practical hands-on skill assessment. This course is designed to train and certify marine/industrial applicators to operate airless/conventional spray equipment.

THERMAL SPRAY APPLICATOR TRAINING (THERMAL APP)

Training Date: December 14, 2021
Member $395 | Non-Member $595

This course is designed to train and certify applicators in the application of thermal spray coatings to industrial substrates. Note: Students who do not want to receive the certification can attend the one-day lecture and classroom workshops to receive a certificate of training.

THERMAL SPRAY INSPECTOR TRAINING (THERMAL INSP)

Training Date: December 15, 2021
Member $395 | Non-Member $595

This program covers the inspection of thermal spray from pre-surface preparation through coating application.
The Solution Spot has the answers to your tough coating, lining, and fireproofing questions.

**READ BLOG ARTICLES**
Browse through articles written by knowledgeable industry experts, that answer your tough coatings questions.

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carboline.com/solution-spot
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+ Increase the global influence and reach of your company’s product or service

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+ Featured in CoatingsPro Magazine, the official publication for Coatings+, for event promotion before, during, and after the conference.
+ Exhibitor listing featured in the Coatings+ mobile app to help attendees find you and stay in contact before, during, and after the conference.
+ All exhibitors receive a GDPR-compliant opt-in list of all registered attendees (provided after the conference) so you can continue to reach out to your connections after the event.

PRICING AND CANCELLATION
Please visit www.sspc.org/coatings-2021 for the latest pricing to exhibit and the cancellation policy.

EXHIBITOR SCHEDULE
EXHIBITOR MOVE IN
Monday, December 13 7:00 AM–5:00 PM
Tuesday, December 14 7:00 AM–3:00 PM

EXHIBITOR HOURS
Tuesday, December 14 5:00 PM–8:00 PM
Wednesday, December 15 11:00 AM–4:00 PM
Thursday, December 16 10:00 AM–3:00 PM

EXHIBITOR MOVE OUT
Thursday, December 16 3:00 PM–8:00 PM
Friday, December 17 8:00 AM–12:00 PM

EVENTS CONTACT INFORMATION
Tiffany Krevics
Exhibits/Sponsorship Sales Specialist
+1 281.228.641 | tiffany.krevics@ampp.org
## Exhibitors

Current exhibitors as of May 2021

<table>
<thead>
<tr>
<th>#</th>
<th>Company Name</th>
<th>Contact Information</th>
<th>Booth Numbers</th>
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<tr>
<td>#</td>
<td>1 Priority Bridge Coating &amp; Painting</td>
<td>Fort Worth, TX</td>
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<td><a href="http://www.go1priority.com">www.go1priority.com</a></td>
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<td>10X Engineered Materials</td>
<td>Wabash, IN</td>
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<td>Accurate Corrosion Control, Inc.</td>
<td>Glendale, AZ</td>
<td>811</td>
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<td>AMPP</td>
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<td>ARS Recycling Systems, LLC</td>
<td>Lowellville, OH</td>
<td>222 &amp; 123</td>
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<td><a href="http://www.arsrecycling.com">www.arsrecycling.com</a></td>
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<td>Atlantic Design Inc.</td>
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<td>BlastOne International</td>
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<td><a href="http://www.blastone.com">www.blastone.com</a></td>
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<td>Borchers Chlor-Rid</td>
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<td>Bullard</td>
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<td>CoatingsPro</td>
<td>San Diego, CA</td>
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<td><a href="http://www.coatingspromag.com">www.coatingspromag.com</a></td>
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<td>Doosan Portable Power</td>
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<td>Eagle Industries</td>
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<td>Easy Kleen Pressure Systems, Ltd.</td>
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<td>ecoFINISH, LLC</td>
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<td>Industrial Vacuum Equipment Corp.</td>
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<td>International Union of Painters and Allied Trades</td>
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<td>J.H. Fletcher &amp; Co.</td>
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<td>KleenBlast</td>
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<td>Danville, CA</td>
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<td>Marine Equipment Supply (MES), LLC</td>
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<td><a href="http://www.mes.us">www.mes.us</a></td>
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<td>Mericka Group LLC</td>
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<td>Oligam Sands Inc.</td>
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<td>Onset - HOBO Data Loggers</td>
<td>399</td>
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<td>Rapid Prep</td>
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<td>Sponge-Jet</td>
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<td>Newington, NH</td>
<td><a href="http://www.spongejet.com">www.spongejet.com</a></td>
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### EXHIBITOR LISTINGS

#### T
- **Tarps Manufacturing**  
  Meredosia, IL  
  [www.tarpsmfg.com](http://www.tarpsmfg.com)
- **Teknos US Inc.**  
  Charlotte, NC  
  [www.teknos.com](http://www.teknos.com)
- **Tinker & Rasor**  
  New Braunfels, TX  
  [www.tinker-rasor.com](http://www.tinker-rasor.com)
- **Tnemec**  
  Kansas City, MO  
  [www.tnemec.com](http://www.tnemec.com)
- **Trenton Corporation**  
  Ann Arbor, MI  
  [www.trentoncorp.com](http://www.trentoncorp.com)
- **TruQC**  
  Kirkwood, MO  
  [www.truqc.com](http://www.truqc.com)

#### V–W
- **Van Air Systems**  
  Lake City, PA  
  [www.vanairsystems.com](http://www.vanairsystems.com)
- **Vulkan Blast Shot Technology**  
  Brantford, ON, Canada  
  [www.vulkanshot.com](http://www.vulkanshot.com)
- **W Abrasives (Winoa USA)**  
  Welland, ON, Canada  
  [www.wabrasives.com](http://www.wabrasives.com)
- **WIWA LLC**  
  Alger, OH  
  [www.wiwausa.com](http://www.wiwausa.com)

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THE KEY TO YOUR NEW TALENT IS HERE

Participate in the Career Fair at Coatings+

Wednesday, December 15 | 11 a.m.–3 p.m.
Phoenix Convention Center, Phoenix, AZ

The Coatings+ Conference attracts more than 2,000 coatings professionals each year, making it the ideal event for recruiting. AMPP invites you to participate in the Career Fair, held during Coatings+, to interact with numerous seasoned and young professionals, graduate or post-doc candidates primed for the job market.

+ Showcase your brand and company culture
+ Expand your network by connecting with other coating and corrosion professionals
+ Recruit your dream candidate

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