

55TH ANNUAL WESTERN STATES CORROSION SEMINAR

Corrosion Control in Action

May 2-4, 2023

California State Polytechnic University
Kellogg West, Pomona, California

Hosted by the Western Area and Sponsored by AMPP
www.westernstatescorrosion.org



15835 Park 10 Place
Houston, TX 77084-4906

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Who Should Attend?

Anyone who is interested in corrosion and its control should attend the seminar. Engineers, corrosion technicians, construction foremen, and maintenance foremen will find that one or more of the courses offered will meet their needs. **These classes will assist you in meeting the DOT Operator Qualification requirements.**

Location?

California State Polytechnic University, Kellogg West, Pomona, California. The campus is ideally located in the secluded suburbs of Los Angeles. Its purpose is to provide adult groups continuing education through workshops, institutes, and similar affairs.

Registration?

Registration is open to anyone interested in corrosion control. Early registration is recommended and is handled on a first-come, first-serve basis.

Cost?

Be sure to include the 2023 Western States Corrosion Seminar in your budget plan! The anticipated 2023 fee without lodging is \$495 for the Seminar or Rectifier course and \$745 for the CP Tester Recognition course and includes three lunches. Both plans include continuous refreshments, two evening social hours, and course materials.

Examinations?

We are offering Fundamentals, Intermediate, and Advanced exams as well as the Corrosion Technician, Corrosion Technologist, and Senior Corrosion Technologist exams on Thursday afternoon. These are not AMPP exams. The examination for the CP Tester Recognition Course and the Rectifier Course is included in the fee.

Information

Seminar information:

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Exhibitor information:

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55TH ANNUAL WESTERN STATES CORROSION SEMINAR, CP TESTER RECOGNITION COURSE, and CP RECTIFIER COURSE MAY 2-4, 2023

Western States Corrosion Seminar offers three courses of study: the **Seminar**, the **CP Tester Recognition Course**, and the **Rectifier Course**. The presenters include some of the foremost experts in the field of corrosion control. Whether your field is pipelines, cables, or tanks, underground or aboveground, internal or external, there will be a presentation by an expert that benefits you and your company. Instructors are available for one-on-one discussions and will be happy to discuss your corrosion problems. The seminar and courses are held concurrently in a relaxed atmosphere that encourages discussions.

Western States Corrosion Seminar

ANTICIPATED TOPICS

Fundamentals—

- Fundamentals of Electricity and Corrosion
- Fundamentals of Cathodic Protection (CP)
- CP Demonstration
- Use and Misuses of Permanent Reference Electrodes
- Basic CP Instruments and Testing Techniques
- CP Design for Sacrificial & Impressed Current Groundbeds
- CP Interference Causes and Cures
- Fundamentals of Protective Coatings

Intermediate—

- Forms of Corrosion
- Introduction to Corrosion Control Design
- Design and Installation of Deep Anode Groundbeds
- Coating Inspection
- Cathodic Protection Rectifier Trouble Shooting
- Decoupling and Overvoltage Protection on Cathodically Protected Structures
- Pin Brazing Course (Classroom)
- Pin Brazing Course with Testing & Certification

Advanced—

- Generic Classification/Chemical Resistant Linings & Secondary Containment
- Materials and Their Role in Corrosion Prevention
- Corrosion Control of Concrete Pressure Pipe
- Soil and Water Corrosivity Evaluation
- CP Monitoring for Pipeline Integrity and Compliance
- Coating Failures—Causes and Avoidance
- Underwater Photographic Inspection of Coatings and other Corrosion Control Systems
- Use and Misuse of Galvanic Anodes

CP Tester Recognition Course

Topics—

- CP Fundamentals
- Electricity Fundamentals
- Basic Chemistry Related to CP
- Galvanic Corrosion
- Galvanic Anode CP Systems
- Impressed Current CP Systems
- Soil Resistivity Testing
- Use of Current Shunts
- Routine CP Testing—Structure-to-Electrolyte Potentials
- Routine CP Testing—Periodic Rectifier Readings
- Other Routine CP System Measurements
- Safety

Prerequisites: an understanding of basic electricity and minimum 240 hours of actual CP testing related work experience.

A CP Tester exam will be given. Those who successfully complete the exam and have documented CP testing related work experience within the last year are qualified to become recognized as a “CP Tester” as defined in Code 40CFR 280.12. A certificate of completion will be included upon passing the test.

CP field personnel, technicians, and those desiring recognition as a “CP Tester” should attend this course.

The anticipated registration fee for the CP Tester course is \$745. These are not AMPP CP Training or certification.

**EARN UP TO 14.5 PROFESSIONAL DEVELOPMENT HOURS
OR CONTACT HOURS!**

Rectifier Course

Topics—

- Rectifiers and Their Application, Styles, and Types
- Typical Field Installations
- Theory and Operation, Ohm’s Law, Basic CP, Reference Voltage, Potentials, IR Free Definition
- Demonstration of a CP System
- Rectifier Component Design and Operation
- Shunts
- Special Purpose Rectifiers and Their Uses
- Wiring Diagrams and Schematics
- Rectifier and CP System Efficiencies and Improvements
- General Rectifier Maintenance and Repair
- Troubleshooting
- Hands-On Troubleshooting
- Rectifier Test
- Test Answers and General Discussion

Be sure to include the 2023 Western States Corrosion Seminar in your budget plans!

The anticipated 2023 registration fee for the seminar and the rectifier course is \$495 each and includes three lunches. For lodging information and reservations, please contact Kellogg West at +1 909-869-2222. Both of these plans include continuous refreshments, two evening hosted social hours, and course materials.

Don’t miss this excellent opportunity to network with professionals, develop contacts, and exchange ideas and experiences with your counterparts in the field of corrosion control!