IOWA STATE UNIVERSITY

Center for Industrial Research and Service

Corrosion: Design and Response Strategies

Description

Corrosion is a costly problem in the transportation industry. Vehicles, trailers, equipment, and components are exposed to aggressive environmental conditions every day in the forms of moisture, livestock, wash products, and de-icing solutions. Without choosing the proper design, materials, coatings, or preventative maintenance, degradation due to corrosion can occur rapidly – bringing with it a myriad of customer complaints and warranty issues.

Join CIRAS to learn from transportation industry experts about the best practices to identify and address corrosion problems. Engage in a facilitated discussion to get answers to your questions to help you take the next step.

Event Details

Date: July 26, 2018

Time: 9:00am - 4:00pm

Location:
FFA Enrichment Center
1055 SW Prairie Trail Pkwy
Ankeny, IA 50023

Fee: FREE

**Preregistration is required*

**Lunch will be provided*

Who Should Attend:

Engineers, managers, and other decision makers interested in learning how to use design, material selection, and maintenance best practices to improve corrosion performance of the vehicles, trailers, and other manufactured transportation equipment to enhance their competitive edge in the market.

Discover:

- How to identify the mechanisms of corrosion
- The causes and effects of corrosion specific to transportation equipment and components
- How to design and spec equipment to mitigate corrosion
- Tips on addressing corrosion issues from a leading industry council
- Best practices for end-user maintenance and after-market corrosion prevention methods

Why Attend:

- To understand how corrosion works and the kinds of problems that it causes your customers
- Learn where to focus your design and material selection efforts to minimize corrosion problems
- Learn how paints and coatings have evolved to protect and prolong the life of your products
- Learn how preventative maintenance and after-market repair can reduce customer complaints
- Take part in a panel Q&A session to get answers to your questions

REGISTER TODAY

Presenters

Dan Szczepanik

Dan Szczepanik serves as the Global Director of Marketing for the Sherwin-Williams Performance Coatings Group based out of Cleveland, Ohio. Dan has a BS in Biology and an MS in Chemistry. He served as a paint chemist for Sherwin-Williams for 16 years before coordinating marketing efforts for commercial and transportation industry sectors. Dan has developed high-performance powder coatings, automotive interior coatings, aerospace coatings, and coatings targeted for the transportation industry. Dan chairs the chassis corrosion study group for the Technology and Maintenance Council (TMC) of the American Trucking Association (ATA). Dan has presented his work at national conferences such as PCI, NATM, Fabtech, CTEA, and ASM.

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Tim Brune

Tim Brune has served as the Technical Director of Automotive International based out of Cincinnati, Ohio for over 29 years. A U.S. Navy veteran, Tim started in the corrosion control business in 1981. Tim specializes in aftermarket corrosion control for OEM's. He also provides manufacturers and bodybuilders in the transportation industry across the globe with solutions utilizing soft coatings with high-tech chemistry. Tim is a member of the Technology and Maintenance Council (TMC) of the American Trucking Association (ATA). He serves as the Vice Chairman of the Corrosion Control Committee and Chairman of S.17 Cab and Controls task force.

VALUGARD

William "Bill" Cook

William "Bill" Cook is the Senior Technical Specialist of Metals for Navistar Inc. based outside of Chicago, Illinois. Navistar designs and manufactures medium and heavy duty International ® brand commercial trucks, diesel engines and IC ® School busses. Bill has over 30 years of experience in metallurgy and metallurgical engineering; and is a licensed professional engineer. His career at Navistar encompasses responsibility for failure analysis, materials testing and validation, corrosion mitigation, lab management, and material specifications. Since 2004, Bill has supported Navistar's truck product design and development operations, customer service organization, and reliability and quality department with his knowledge of corrosion, and materials.

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Questions

For questions, please contact Paul Berge at pmberge@iastate.edu