



NACE Presents

I-CAR[®]

TECHNOLOGY SHOWCASE

Meet I-CAR[®] on the NACE show floor for the introduction of the I-CAR Technology Showcase. The I-CAR Technology Showcase will replace previous year's Live Action Demo Theatre. The hour-long showcase **sessions will focus on new technology and repair methods**. These sessions are available to NACE attendees at **no additional charge** and there is no pre-registration required.

SESSIONS AVAILABLE TO ALL
NACE ATTENDEES
AT NO COST!



GET THE EDGE!

ADVANCED JOINING TECHNOLOGIES



TAKE ADVANTAGE OF THIS
FREE SESSION DURING NACE!

For more information:
STOP AT THE I-CAR BOOTH (#8423)

THURSDAY, NOVEMBER 2ND

11 a.m. – 12 Noon

NEW CONSTRUCTION MATERIALS AND DESIGNS

- How Current and Future OEM Automotive Construction Methods and Materials Affect Collision Repair
- How Joining Methods Used for Production and Required for Collision Repair Are Changing and Why
- Where New, High and Ultra-High Strength Steels Are Used in Vehicle Structures and Why
- Considerations for Straightening and Replacing Parts Made from New, High and Ultra-High Strength Steels

1–2 p.m.

ADVANCED JOINING TECHNOLOGIES *Session Repeated On Saturday at 1 p.m.*

- The Latest On Squeeze-Type Resistance Spot Welding (STRSW)
- Weld Bonding Considerations and Techniques
- An Overview of Laser Welding Applications and Repair Considerations
- MIG Brazing Applications and Repair Considerations
- Rivets and Rivet Bonding Procedures
- Adhesive Bonding Update

3–4 p.m.

ADVANCED ALUMINUM STRUCTURAL REPAIR *Session Repeated On Saturday at 10 a.m.*

- Identify Vehicles That Use Aluminum Structures
- Identify Different Aluminum Forming Processes, Alloys, and Joining Techniques Used in Vehicle Construction
- Discuss Different Aluminum Vehicle Designs and Characteristics
- Look Specifically At Some of The Most Common Aluminum Intensive Vehicles, Their Structural Designs, and Recommended Repair Processes

FRIDAY, NOVEMBER 3RD

11 a.m. – 12 Noon

ADVANCED VEHICLE SYSTEM REPAIRS

- Applications of Fiber Optics and Repair Considerations
- Advanced Lighting Systems
- Types, Repair, and Recalibration Considerations for Occupant Classification Systems
- Operation and Repair Considerations for Adaptive Cruise Control Systems
- An Introduction to Lane Departure Warning Systems
- Types and Operation of Back-Up and Park Assist Systems

1–2 p.m.

ALTERNATIVE FUEL VEHICLE OVERVIEW

- Types of Alternative Fuel Vehicles
- Hybrid Propulsion System Overview
- Disable Procedures for High Voltage Systems
- Collision Repairs and Procedures for Technician Protection
- Demonstration and Discussion of Procedures, Tools, and Equipment

3–4 p.m.

FULL-FRAME REPAIR AND PARTIAL REPLACEMENT

- Construction Types and Materials
- Full-Frame Repair Considerations
- Parts and Procedures for Partial Frame Replacement
- Tools and Equipment Required for Full-Frame Repairs
- Straightening and Welding Techniques for Full-Frame Repair

SATURDAY, NOVEMBER 4TH

10 – 11 a.m.

ADVANCED ALUMINUM STRUCTURAL REPAIR

Please Refer to Thursday Agenda Above for Description

1–2 p.m.

ADVANCED JOINING TECHNOLOGIES

Please Refer to Thursday Agenda Above for Description