

cares

Future in the making

3RD AMERICAS FORUM

Provisional agenda

October 23 - 24, 2024

The Henry Ford Museum
Dearborn (MI) - USA

 Visit Our Website
cares-sustainableforum.com



cares COMMITTEE MEMBERS
Future in the making



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Paint Market Development
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ABB



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AXALTA



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Coatings Sustainability
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Chris HALL
MSS Frame Manufacturing
- Paint Category
HONDA



Nadia BENHAMIDA
Senior Polymers and
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HYUNDAI - KIA



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MAGNA EXTERIORS



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Ed PAGAC
General Manager
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Kevin DUNBAR
Manufacturing - Facilities NNM,
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Project General
Manager, Production
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TOYOTA



Jinno TOMOYUKI
Technical Head of
Plant & Environmen
TOYOTA



Kenny WHITE
North American
President
CARES



Tim HAYES
International President
CARES



ABOUT CARES

CARES, the pioneering worldwide initiative, is the first of its kind in the Automotive Industry solely dedicated to **Sustainable manufacturing**

Taking place in Detroit, Michigan, this two-day conference is dedicated to showcasing **innovative techniques and strategies utilized in sustainable automotive manufacturing**. The event encompasses keynote presentations, theme-oriented discussions, educational workshops, and networking opportunities tailored for **Manufacturing & Engineering Mobility OEMs and Suppliers, along with all stakeholders across sectors within the ecosystem of Sustainable Manufacturing**

As it enters its third year in 2024, the transdisciplinary forum expects to welcome over 300 professional attendees. The primary goal is to **facilitate collaboration among industry professionals, advancing green automotive manufacturing practices through cross-sector cooperation**.

CARES stands as the leading platform for attendees to delve into and deliberate on innovative strategies, state-of-the-art technologies, and burgeoning business prospects within sustainable manufacturing.

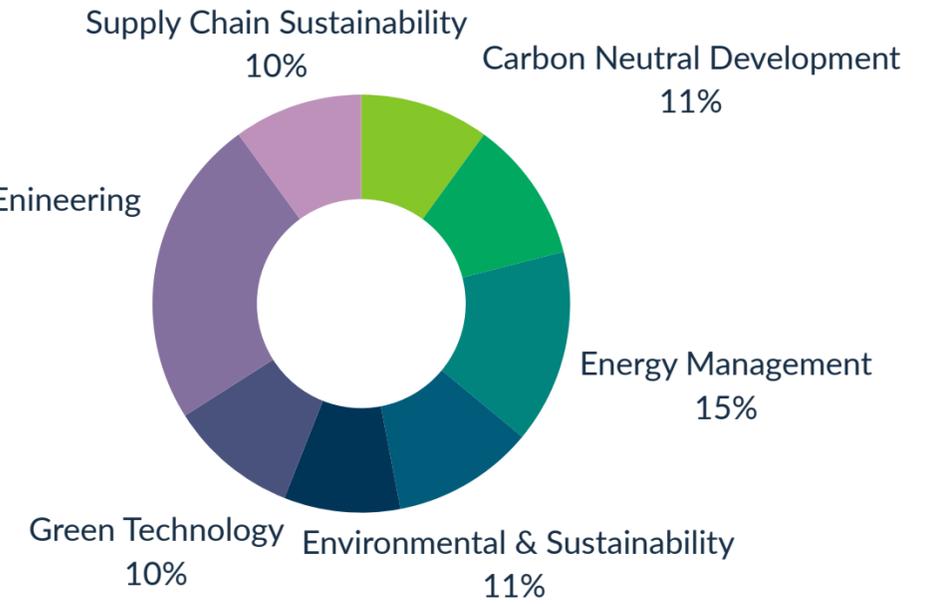
2023 CARES DEMOGRAPHICS



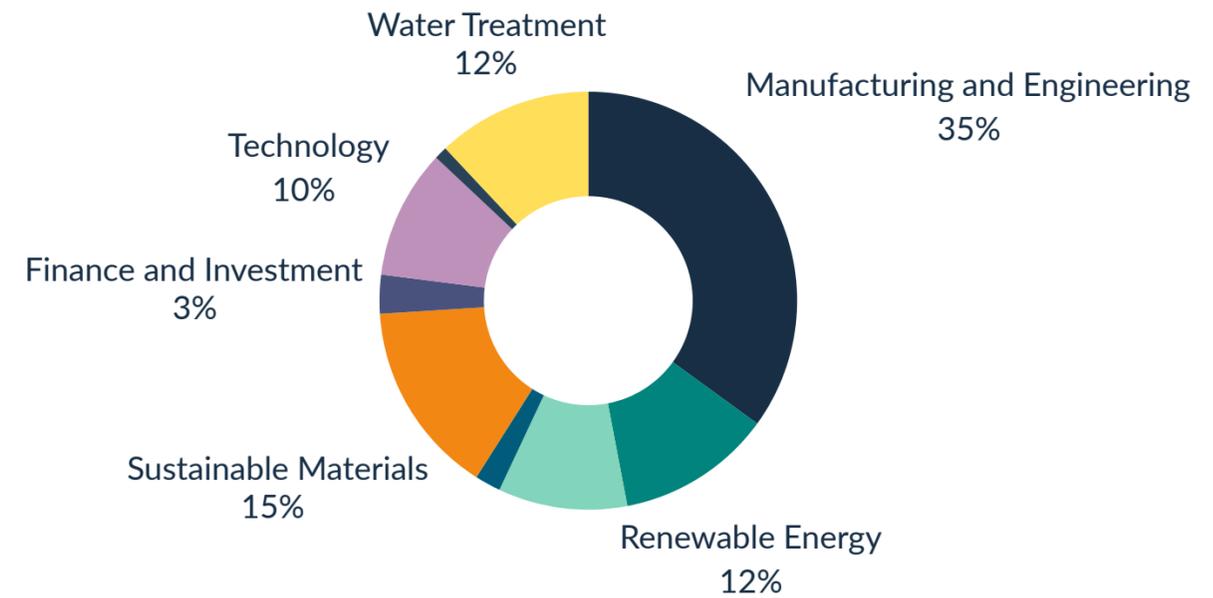
01. ATTENDEE TYPE



02. OEM ATTENDEES EXPERTISE



03. SUPPLIERS BUSINESS SECTORS





2023 CARES HIGHLIGHTS

95%

Attendees would recommend CARES to their colleagues and friends.

97%

Attendees would like to join in next CARES Congress.

258

Numbers of questions that Attendees asked to presenters and panelists at 2023 CARES.

WINNING PRESENTING COMPANIES

AWARD FOR INNOVATION

Recycled NCM cathode active material engineered for high-power, high-performance lithium-ion battery applications, **ASCEND ELEMENTS & XAL ENERGY**

AWARD FOR TECHNIQUE

Toyota Approach to Carbon Neutrality, **TOYOTA MOTOR MANUFACTURING**
Ford's Carbon Neutral Strategy for manufacturing facilities, **FORD MOTOR COMPANY**

JURY'S AWARD

Engineering New Carbon-Negative Plastic Materials for the Automotive Industry.
MAGNA EXTERIORS & HEARTLAND INDUSTRIES

THE AUDIENCE CHOICE AWARD

Cradle to Grave Carbon Footprint of Automotive coatings, adhesives and sealants materialsry. **PPG**



WHY ATTENDS

Strategic Market Positioning

Professionals in the automotive sustainable manufacturing ecosystems, including manufacturing and engineering mobility OEMs and suppliers, renewable energy firms, technology and software providers, circularity and remanufacturing companies, leverage CARES to align with sustainability trends, meet the expectations of automotive OEM companies, differentiate companies offerings and establish themselves as leaders in the sector.

Networking Platform:

CARES provides an exclusive chance to engage with stakeholders from diverse sectors, nurturing relationships and fostering potential collaborations. Moreover, automotive OEMs have their dedicated business meeting hub within the event, facilitating discussions and networking opportunities with participants.

Foster Cross-Sector Collaboration

Over two days of technical presentations and panel discussions involving OEMs and their suppliers at a high level, CARES acts as a central meeting point where various stakeholders come together. This fosters the development of relationships, reinforces existing connections, and encourages collaborative partnerships across sectors.

Stay Informed about Sustainable Auto Manufacturing

Engaging in CARES ensures that industries remain up-to-date with the latest advancements, practices, and technologies in sustainable auto manufacturing on a global scale.





AMONG 2024 TOPICS

1. Actionable Carbon Footprint Reduction Strategies:

What specific, practical measures can companies implement to effectively reduce their carbon footprint, excluding self-promotional pitches or self-serving agendas?

2.Environmental Impact of Batteries and Paint:

How can we assess and minimize the environmental footprint of batteries and paint, considering their recyclability, contribution to a circular economy, and efforts towards carbon neutrality

3.Sustainable OEM Sourcing:

How are original equipment manufacturers (OEMs) adapting their sourcing strategies to prioritize lower product carbon footprints (PCFs) and circular products, and what challenges do they face in this endeavor?

4.OEM Partnerships for Automotive Component Recycling:

What challenges do OEMs face in identifying and collaborating with reliable and efficient partners for sorting and recycling automotive components, and how can these challenges be overcome?

5.Sustainable Materials Adoption:

How can OEMs and suppliers collaborate to incorporate new materials with a lower carbon footprint, such as mastic materials, low-bake adhesives, and low-bake e-coats, while ensuring compatibility with existing OEM specifications for recycled materials?

6.Brownfield Adaptation and Multi-Material Challenges:

How can we effectively implement sustainable waste management practices and circular economy principles in brownfield plants and facilities that handle a diverse range of materials and product models?

7. Design for Remanufacturing:

What are the key obstacles to remanufacturing? What materials should we avoid using, and what components should be eliminated in favor of reusable elements?

PROVISIONAL AGENDA, DAY 1 – WEDNESDAY, OCTOBER 23



08:00 **Welcome and Registration Reception**
In partnership with

08:45 **Opening Welcome remarks**

08:50 **Keynote presentation – The Road to Net Zero: How Automotive Suppliers contribute to the Success of our Industry**

- **Lars KISSAU**, President – Net Zero Accelerator – **BASF**

Sustainable Materials Integration

09:15 am **Session Chairpersons Welcome remarks**

- **Chris HALL**, MSS Frame Manufacturing Characteristics – **HONDA**
- **Nadia BENHAMIDA**, Manager Total Vehicle Development – **HYUNDAI KIA**

09:20 am **Partnering with Suppliers to Transition from Primary Materials to Sustainable Solutions – Understanding the Strategy for Implementation**

- **Ellen LEE**, Technical Leader – **FORD**
- **Anisia PETERMAN**, Sustainability Manager – **HELLERMANNTYTON**

09:55 am **The Fundamental Ingredient for Sustainability**

- **Alex HORISBERGER**, Senior Design Consultant – **BASF**

10:15 am Networking & Refreshment break

10:55 am **Fully Biobased Composite using Lignin-Based Epoxy Resin and Bamboo Fiber**

- **Mojgan NEJAD**, Associate Professor – **MICHIGAN STATE UNIVERSITY**

11:15 am **Our Ambition: a Seismic Shift in the Way we Coat Vehicles**

- **Shannon CARROZZI**, Global Strategic Product Manager – **PPG**

11:35 am **Tactical Methods for Reducing the Carbon Footprint of Polyamides**

- Speaker to be confirmed – **MAGNA**
- **Meysami MO**, Senior Research Scientist-Team Leader – **BASF**
- **John ELY**, CMO – **HEARTLAND SYSTEMS**

12:05 pm **Exhibition Partners Introduction**

12:15 pm **Networking & Lunch break**
In partnership with

Practical Carbon Footprint Reduction Measures

01:55 pm **Session Chairpersons Welcome remarks**

- **Steve TOMASZEWSKI**, Global Environmental Director – **GENERAL MOTORS**
- **Dean WAINEO**, General Manager – **FANUC**

02:00 pm **From Disclosure To Decarbonization: How Organizations Can Set And Achieve Their Climate Goals And Drive Tangible Impact**

- **Joey LANGE**, Sr. Managing Director, Energy Supply Advisory – **TRIO**

02:20 pm **The Methodology & Roadmap to Net Carbon Neutrality for automotive industry**

- **Peng LIU**, Sustainability Manager Automotive OEMs – **HENKEL**

02:40 pm **Strategies for Automobile Manufacturers to Reduce Their Carbon Footprint**

- **Kevin TOPDJIAN**, RNG Marketing Director – **TOTALENERGIES**

03:00 pm **Enhancing Carbon Footprint Reduction: Overcoming Challenges in Quantifying Scope 3 Emissions**

- **Laura WEINKAM**, Managing Partner – Sustainability Coordinator and Project Analyst – **ERA ENVIRONMENTAL MANAGEMENT SOLUTIONS**

03:20 pm Networking & Refreshment break

04:00 pm **Reducing Carbon Footprint through Electrification of Fluid Handling Equipment**

- **Bryan PARKER**, Product Marketing Manager – **GRACO**

04:20 pm **Using LCA Data, Proven Results, and Sustainable Solutions to Reduce Carbon Footprint of New Automobiles and Manufacturing Processes**

- **Joel GARRETT**, SVP – Safety-Kleen Oil – **SAFETY-KLEEN**

04:40 pm **Tracking the Automotive Shift to Renewable Energy and Cleaner Supply Chains (TBC)**

- *Speaker TBC*, **SCHNEIDER ELECTRIC**

05:00 pm **Panel Discussion**

- **Sarah SAJEDI**, CEO – **ERA ENVIRONMENTAL MANAGEMENT SOLUTIONS**
- *Speaker TBC*, **SCHNEIDER ELECTRIC**

06:00 pm **Gala Dinner – The Henry Ford Museum**

PROVISIONAL AGENDA, DAY 2 – THURSDAY, OCTOBER 24



08:00 **Welcome and Registration Reception** 
In partnership with

08:45 **Opening Welcome remarks**

08:50 **Keynote presentation**
• *Speaker TBC*

From Waste to Worth: Designing for a Circular Economy

09:15 am **Session Chairpersons Welcome remarks**
• **Lisa HANSEN**, Regional Manager, Environmental Quality Office – **FORD**
• **Joshua SUDBURY**, Key Account Manager – **NIPPON PAINT**

09:20 am **Unmasking the Hidden CO2: Waste Paint Streams in Emission Calculations**
• **Bill MCDERMOTT**, Environmental Specialist – **STELLANTIS**
• **Sarah SAJEDI**, CEO – **ERA ENVIRONMENTAL MANAGEMENT SOLUTIONS**

09:50 am **LCA Evaluation, Simulations And Decisions For The Most Economical And Sustainable Paintshop With The ‘Glass’ Tool**
• **Stephanie LANG**, Global Head of Sustainability, Automotive OEM Coatings– **BASF**
• **Markus PIEPENBRINK**, Director Global Sustainability – **BASF**

10:10 am **Enabling more sustainable design and manufacturing processes leveraging AI, predictive analytics and digital factory**
• **Marc BANNING**, Global Business Development Exec – **AUTODESK**

10:30 am **Closing the Loop: Innovations in Durable Goods End-of-Life Management**
• **Tyler LACROIX**, Senior Innovation Engineer – **YANFENG**
• **Kari BLISS**, Principal, Sustainability – **PADNOS**
• **Hayden LATHAM**, Account Executive – **PADNOS**

11:00 am Networking & Refreshment break

11:40 am **Shift Left: Designing for Circularity (TBC)**
• **Bryant HENDRICKS**, Americas Industry Portfolio Development Executive, **SIEMENS**

12:00 pm **Panel discussion**

12:30 pm **Networking & Lunch break** 
In partnership with

OEM Strategies for Sustainability

01:30 pm **Session Chairpersons Welcome remarks**
• **Kevin KAMMERER**, Group Environmental & Sustainability Manager – **MAGNA**

01:35 pm **ESCO – Energy Systems Co-Op**
• **Megan DIBENEDETTO**, Senior Engineer – Environmental Planning – **TOYOTA MOTOR NORTH AMERICA**

01:55 pm **Enhancing Brand Protection and Optimizing Recycled Material Availability Through Vehicle Recycling**
• **Pierce CLEARY**, Senior Director Business Development & Strategy – **RADIUS RECYCLING**

02:15 pm **Recycled Ncm Cathode Materials Engineered For High Performance Lithium-Ion Batteries With Low Carbon Footprint**
• **Michael CORACI**, New Business Development Manager – **ASCEND ELEMENTS**
• **Kevin DAHLBERG, Ph.D.**, VP of Cell Technology – **FREUDENBERG E-POWER SYSTEMS**

02:45 pm **4E Analysis of a Solar Organic Rankine Cycle Applied to a Paint Shop in an Automotive Industry**
• **Ronaldo MARTIRE**, Sr. Key Account Manager – Sales – **DURR**

03:05 pm **How to build a more durable GM electric delivery vehicle using an adhesive/sealant that enables a more sustainable manufacturing process like the Bostik MSR CA Silane-Modified Polymer (SMP) technology**
• **Patel ATUL**, Materials Engineering – Adhesives Lead – **GENERAL MOTORS**
• **Terry SMART**, Business development Manager – Automotive – **BOSTIK**

03:35 pm Networking & Refreshment break

04:00 pm **Panel Discussion**

04:30 pm **Wrap-up**

04:35 pm **Awards Ceremony** 
In partnership with



PRACTICAL INFORMATION

DATE

October 23 & 24, 2024

VENUE

THE LOVETT HALL - The Henry Ford Museum
20900 Oakwood, Dearborn, MI 48124

INDIVIDUAL REGISTRATION FEE *

Early Bird Rate

Ends on Friday July 26, 2024

US\$ 1150 / ticket

Standard Rate

US\$ 1450/ ticket

* Each ticket includes the two-day conference, refreshment break, lunch, Cocktail reception, awards ceremony, access to exhibition and meeting areas. The registration fee does not include travel expenses, parking fees or any other additional cost or service.

DRESS CODE

Business or business casual attire is recommended (no tie).

NETWORKING OPPORTUNITIES

- Engage in networking breaks and connect with industry leaders. Attend the designated networking lunch for collaborative discussions.



IN PARTNERSHIP WITH

FRONT RUNNER PARTNER



KNOWLEDGE PARTNER



VIP PARTNER



BRANDING PARTNERS



EXHIBITOR PARTNERS





MEET THE TEAM

SPONSORSHIP OPPORTUNITIES

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