



FOR IMMEDIATE RELEASE: 16 AUGUST 2023 Media Contact: Teri Chouinard, 248.701.8003, intuitgroup@gmail.com

“END OF VEHICLE LIFE TODAY AND SUSTAINABILITY SOLUTIONS FOR THE FUTURE”

MAJOR FEATURE AT ACCE INCLUDING KEYNOTES AND PANEL DISCUSSION

- **“CIRCULARITY FOR END OF LIFE VEHICLES”** - Kari Bliss, Principal Sustainability, at PADNOS
- **“RECYCLING PLASTICS FROM END OF LIFE VEHICLES: THE FINAL FRONTIER?”** - Dr. David L. Waggoner, Chief Scientist and Director of Environmental Management at the Institute of Scrap Recycling Industries (ISRI)
- **PANEL DISCUSSION** – Eric Walker, Chief Engineer, Frame Materials, Honda Development & Manufacturing of America LLC; Amar Mohanty, Professor and Research Chair of Sustainable Biomaterials, University of Guelph; Mehdi Tajvidi, Associate Professor of Renewable Nanomaterials School of Forest Resources, Advanced Structures and Composites Center and Forest Bioproducts Research Institute at University of Maine; Kari Bliss (PADNOS) and David Waggoner (ISRI)

TROY (DETROIT), MICH. - The executive planning committee for the [SPE® Automotive Composites](#)

[Conference & Expo](#) (ACCE) is announcing a special session “End of Vehicle Life Today and Sustainability Solutions for the Future” including two Keynotes and a Panel Discussion with sustainability experts and industry leaders for their ACCE event Sept. 6 – 8, 2023 at the Suburban Collection Showplace in Novi, Michigan (Detroit suburb). The program will address sustainability concerns about composite materials in automotive applications and feature solutions for managing the proper handling at end of life. “Automotive OEMs, Tiers and Material Suppliers have to work together to capture battery materials at end of life due to the scarcity of these materials and pending regulations in Europe and Asia are accelerating the shift to managing plastics and composites for sustainability,” said Adam Halsband, Managing Director of Forward Engineering NA who is assisting Dr. Sara Simon, Project Engineer with Forward Engineering and ACCE Executive Committee member who proposed and is managing this important session.

The Special Half Day Session will include the following Keynote Presentations:

“CIRCULARITY FOR END OF LIFE VEHICLES” - Kari Bliss, Principal Sustainability, at PADNOS

For decades, industrial recyclers have shredded cars to capture the ferrous and non-ferrous metals. The remaining plastic, rubber, wood, paper, textile, leather, or glass is a complex mixture known as Auto Shredder Residue. In the United States, over 5 million gross tons (11,200,000,000 LBS) are sent to the landfill each year. ASR is used as landfill cover to reduce odor and help capture methane gas. Learn about new advancements to separate and capture the valuable plastics from ELV. Successful trials are complete, and the first million lbs. have been produced. PADNOS, family owned, and privately held was founded in 1905. Serving OEMs and Tier 1 suppliers to recycle paper, plastic, metals and electronics. While not the largest, they have more diverse processing capabilities than any other industrial recycler in the world which aids them in solving complex mixed material challenges.

Speaker Biography: Kari leads Sustainability at PADNOS, an industrial recycler of paper, plastics, metals, and electronics. She is a GreenBiz certified professional, Leading the Sustainability Transformation, GRI Certified Sustainability Professional, a board member of the Michigan Sustainable Business Forum, and the Treasurer of the Society of Plastic Engineers Recycling Division. She is a result driven leader skilled at bringing stakeholders together to develop sustainability initiatives and solve complex circular economy challenges.

“RECYCLING PLASTICS FROM END OF LIFE VEHICLES: THE FINAL FRONTIER?” - Dr. David L. Wagger, Chief Scientist and Director of Environmental Management at the Institute of Scrap Recycling Industries (ISRI)

The success of recycling end-of-life vehicles (ELVs) is dependent on their significant recyclable metal content and technologies for profitably recycling ferrous and nonferrous metals. The non-metallic content of ELVs, especially plastics, has typically been sent at cost to landfills for disposal as solid waste, due to lack of recycling markets for those materials. Despite substantial research and other efforts, plastics from ELVs are still not being recycled to any significant degree. If this persists, the plastics content of vehicles could become problematic for recycling of ELVs due to economic and other pressures. This presentation will give an overview of recycling of ELVs and explore potential pathways for enabling the recycling of plastics from ELVs.

Speaker Biography: Dr. David Wagger is Chief Scientist and Director of Environmental Management at the Institute of Scrap Recycling Industries (ISRI) in Washington, DC. He has more than 30 years of experience in environmental engineering, policy, regulation, science, and technology, including 18 years at ISRI. David assists members with environmental compliance and management and represents ISRI and the recycling industry on federal and state environmental regulatory matters. He also serves on external panels and working groups on R&D, science, and

sustainability, including as a Project Group Co-Chair of the Basel Convention Plastic Waste Partnership Working Group, Member of the Strategic Advisory Committee of the REMADE Institute, and Commissioner on the GSA Acquisition Policy Federal Advisory Committee. David holds a B.S. and a Ph.D. in chemical engineering from, respectively, the University of California, Berkeley, and the Massachusetts Institute of Technology where he was a Fannie and John Hertz Foundation Fellow and minored in political science.

The ACCE technical program will include up to 70 presentations on current and future industry advances in the following categories: Composites in Electric Vehicles; Advances in Thermoplastic Composites; Advances in Thermoset Composites; Modeling of Composites; Additive Manufacturing & 3D Printing; Enabling Technologies; Sustainable Composites; Bonding, Joining & Finishing; Carbon Composites; and Business Trends/Tech Solutions.

Held annually in suburban Detroit, the ACCE draws over 800 speakers, exhibitors, sponsors, and attendees and provides an environment dedicated solely to discussion, education and networking about advances in transportation composites. Its global appeal is evident in the diversity of exhibitors, speakers, and attendees who come to the conference from Europe, the Middle East, Africa, Asia/Pacific and South America as well as North America. About 20% of attendees work for automotive and light truck, agriculture, truck & bus, or aviation OEMs and another 25% represent tier suppliers. Attendees also work for composite materials processing equipment, additives, reinforcement suppliers, trade associations, consultancies, universities, government labs, media, and investment banks. ACCE has been jointly produced by the SPE Automotive and Composites Divisions since 2001.

For more info go to: <https://speautomotive.com/acce-conference/>.

The mission of SPE is to promote scientific and engineering knowledge relating to plastics worldwide and to educate industry, academia, and the public about these advances. SPE's Automotive Division is active in educating, promoting, recognizing, and communicating technical accomplishments in all phases of plastics and plastic-based composite developments in the global transportation industry. SPE's Composites Division does the same with a focus on plastic-based composites in multiple industries. Topic areas include applications, materials, processing, equipment, tooling, design, and development. For more info go to: <https://speautomotive.com/> and <https://composites.4spe.org/>. For more information on the *Society of Plastics Engineers*, see www.4spe.org.



Kari Bliss

Dr. David L. Wagger

“SUSTAINABILITY AND END OF VEHICLE LIFE” SPECIAL SESSION AT ACCE INCLUDING KEYNOTES AND PANEL DISCUSSION AT ACCE SEPT. 6 – 8, 2023 AT SUBURBAN COLLECTION SHOWPLACE, NOVI, MI

- **“CIRCULARITY FOR END OF LIFE VEHICLES” - Kari Bliss, Principal Sustainability, at PADNOS**
- **“RECYCLING PLASTICS FROM END OF LIFE VEHICLES: THE FINAL FRONTIER?” - Dr. David L. Wagger, Chief Scientist and Director of Environmental Management at the Institute of Scrap Recycling Industries (ISRI)**