



26th Annual Pollution Prevention
Conference and Trade Show
September 20, 2023



Session Descriptions and Speaker Biographies

Keynote Presentation

ESG & Sustainability as Value Creators

Time: 10:00 AM – 10:50 AM

Speaker: *Dora Lutz, MBA, Founder of GivingSpring*

Abstract:

The frequency of businesses discussing Environmental, Social and Governance (ESG) programs have spiked over 800% in the last 5 years.

Sustainability is a critical factor in executing a meaningful ESG strategy, but to truly drive stakeholder value (and profit!) effectively, these efforts must be integrated with the cultures, competencies, and behaviors across an organization.

This lively and actionable talk will help leaders understand where sustainability meets business strategy, and how ESG can drive revenue and decrease costs.

Biography:

Dora Lutz is an award-winning researcher and international speaker who educates and inspires audiences on how to grow their social impact.

Using the principles of ESG (Environmental, Social, and Governance), Dora has worked with small businesses, Fortune 100 companies, and even the United Nations as they leverage business models to create sustainable revenue sources and profound social outcomes.

For more than a decade, Dora has devoted her career to understanding the unique ways businesses can make a positive impact on society. She is widely considered one of the top thought leaders on ESG strategy and is the go-to expert for companies who care as much about sustainability as they do their bottom line.

Dora is the author of *The Aspirational Business (2018)*, founder of GivingSpring and the creator of the course *Business Planning for Social Entrepreneurs* at Purdue University. Dora holds an MBA from Butler University and did her first TEDx in 2021 entitled “Dear C-Suite: It’s Not You, It’s Us.”

Breakout Session - Track A (Sustainability)

Clear Coat Elimination Project – 2022 GAEE Award Winner, Cummins Inc.

Time: 1:40 PM – 2:20 PM

Speakers: *Ashwini Khandelwal, Sr. Engineer, New Power*
Clarissa H. Arriaga, Technical Sourcing Mgr.

Abstract:

Ashwini Khandelwal oversaw this Governor's Award winner project for 2022. This presentation is further details how Cummins has lowered/eliminated their VOC's by not clear coating their engine blocks.

Biography:

Ashwini Khandelwal started her career with Cummins as a Current Product Improvement Intern in 2018. In 2019, she began her full-time role as a Current Product Engineer within the Pick-up organization at Cummins. As a Product Engineer, Ashwini has made an impact north of \$8 million with projects like the Engine Clearcoat and Wash removal process where she received EBU Business Impact Award and the Governor's Environmental Excellence Award.

Clarissa graduated with a Masters in Mechanical Engineering degree from Purdue University, West Lafayette. She is originally from India and now lives in Greenwood with her boyfriend Sanket and beloved houseplants! In her free time, Ashwini enjoys practicing yoga, playing board games, exploring restaurants in Indy and spending time with friends.

The Carbon Environment: A Strategy to Achieve Zero Emissions

Time: 2:30PM – 3:20 PM

Speaker: *Kevin Conkright, Senior SHE Specialist,*
AstraZeneca

Abstract:

Kevin's presentation focuses on the elimination of energy, natural gas and reduction of water used at the AstraZeneca plant in Mt. Vernon Indiana. The presentation will demonstrate these items above.

Biography:

Kevin Conkright currently holds the position Senior Safety, Health & Environmental Specialist at AstraZeneca Pharmaceuticals, LP, located in Mt. Vernon, Indiana where he serves as sustainability lead. Kevin has over 30 years of environmental, health, and safety experience in aluminum, chemical, and pharmaceutical manufacturing with an emphasis on environmental sustainability, industrial hygiene, regulatory compliance, and product governance.

Kevin gained his Bachelor of Science degree in Chemistry and Biology from Western Kentucky University. He has also performed as a certified wastewater operator, certified domestic water operator, registered OSHA trainer and as a registered lead auditor for ISO 14001.

EHS Compliance and Sustainability Objectives: The Benefits of Overlapping and How to Manage Them

Time: 3:30 PM – 4:20 PM

Speaker: *Maddy Williams, Project Manager, KERAMIDA*

Abstract:

This presentation discusses a GHG verification project for a variety of clients who reported GHG emissions (Scope 1, 2, and 3) and sustainability metrics to various sustainability platforms.

Tasks included in verification are conducting interviews with personnel who represent key functions for supporting the environmental inventory management process, reviewing the processes used to collect, aggregate, and report on environmental data and metrics, evaluating if the client conforms with the verification criteria and if data are sufficient to support the client's environmental claims, providing recommendations for improved environmental data handling based on verification findings, and providing a written verification report that specifies the boundary and data covered by the verification, the reporting and verification protocols used to conduct the verification, assurance opinion, and a description of the verification methodology. The end deliverable is an issues log/verification report in addition to the assurance letter.

Biography:

Maddy Williams joined KERAMIDA in June 2020 and has worked on several reporting services ranging from annual Tier II, hazardous waste and Toxic Release Inventory reports to site-specific Storm Water Pollution and Prevention Plans (SWPPPs) and Spill Prevention Control and Countermeasure (SPCC) plans. She has supported several of the company's sustainability projects including Benchmarking, ESG Rating projects and Greenhouse Gas calculations. Her work at KERAMIDA has also included a variety of significant projects such as the development of Safety Data Sheets (SDS) for metals and components used in the operations and castings of the metal casting industry, which have been published on the website of the American Foundry Society.

Maddy received her undergraduate degree in Environmental and Ecological Engineering (2018) from Purdue University while being a full-time student athlete. While moving towards her undergraduate degree, she represented Purdue University as a captain on the varsity soccer team, earning the John Wooden Leadership award. She is currently enrolled in Purdue University's Master program, working towards obtaining her MBA in May 2023.

Breakout Session - Track B (Water)**Detecting Nanoplastic Contaminants in Drinking Water****Time: 1:30 PM – 2:20 PM****Speaker: Vidhatri Iyer, University High School,
Hamilton County Freshmen &
inventor****Abstract:**

This presentation will demonstrate detecting nanoplastics in drinking and wastewater using new technology invented by Vidhatri.

Biography:

Vidhatri Iyer is a freshman at University High School of Indiana, Carmel. She cares deeply about the water quality of the Indiana water streams. She recently developed a novel and rapid method to detect nanoplastics contamination in the wastewater generated by our local neighborhoods.

Her method has received wide attention by water experts and the local media. Her work has been featured in the Carmel Current and Hamilton Reporter newspapers. She was recently interviewed by the Local TV channel, Wish TV. Vidhatri has presented her nanoplastics detection method at water conferences namely, the Indiana Water Summit and Indiana Rural Water Fall meetings. She has been invited to present to two additional water conferences in Fall. Vidhatri is a recipient of the Besozzi youth grant award.

Green Chemistry!**Time: 2:30 PM – 3:20 PM****Speaker: John Dailey, Water Treatment Specialist,
Brenntag Mid-South****Abstract:**

John Dailey's presentation will demonstrate how Green Chemistry can be used to reduce the toxic and/or corrosive chemistry used in today's manufacturing processes. This Green technology will help manufactures understand how these types of chemistries work on ferrous and non-ferrous metals and how they can be waste treated. These types of chemistries can reduce the amount of water needed to build the chemistry and reduce the amount of water to be waste treated.

Biography:

John Dailey is a Water Treatment Specialist for Brenntag Specialty Products. Prior to joining Brenntag, John was the Facility Coordinator for AQUA Indiana in South Haven and Lake Station, IN. John has over 40 years of experience in testing and treating water. He holds water and wastewater licenses in Indiana, Kentucky, Maryland, and Washington. His career in product management includes design and development of water and air filtration equipment and training in product operation. John graduated from the University of Southern Indiana with a Bachelor of Science degree with emphasis on Environmental Science.

Droplets of Water

Time: 3:30 PM – 4:20 PM

**Speaker: *Jim Collins*, Business Development Manager,
Brenntag Mid-South**

Abstract:

This presentation discusses how water is used throughout our industry. Jim will cover the surface tension of water and how pH can affect the end results. He will discuss how water can be a VOC based on what added to the water and the Zeta potential. The presentation will cover the types of disinfections that are used in wastewater and how UV and Ozone can be used in wastewater treatment.

Biography:

Jim has had 42 years of experience in the industrial chemical industry. His duties include start up and troubleshooting of any industrial process that involves a chemical feed program. Once the process is up and running, he goes back in and makes the process run efficiently, trouble free, and at a minimal cost to the customer.

He was Past President of Indiana Industrial Operators Association, currently a Registered Industrial Wastewater Professional in Indiana and Kentucky, a Certified Electro Finisher, and on the Board of Directors of the Indianapolis Branch of the National Association of Surface Finishers. Jim has a bachelor's degree from Indiana State University – major in marketing – minor in economics.