

2023 Preliminary Program-at-a-Glance Halifax, Nova Scotia October 4-5, 2023

“Journey to Sustainability”

The Tire and Rubber Association of Canada’s 2023 Rubber Recycling Symposium intends to shed some light on both the exciting developments and the challenging issues in sustainable tire production and end-of-life (ELT) tire management and market development.

Even the global pandemic couldn’t stop the march of technology as tiremakers continue to challenge the status quo by producing tires with lower environmental impact and introducing novel raw materials such as devulcanized rubber, guayule and dandelion rubbers, soybean oil, plastic bottles, and increasing sustainability of the sourced raw materials such as carbon black.

And while manufacturing continues to do more with less, the product itself faces pressures and challenges from governments and environmental groups. We are heading toward new paradigms such as addressing the chemical makeup of tires and continuous environmental scrutiny of essential tire production chemicals.

On the recycling front, the European Commission is proposing a ban on the use of rubber granules as infill material in synthetic sports surfaces which would severely affect these existing markets and could echo across regulatory jurisdictions worldwide. At the same time, support, and adoption for other sound tire recycling solutions such as tire derived aggregate and rubber modified asphalt move at the speed of, well, poured asphalt.

So where is the balance that satisfies regulators and environmentalists yet assures tires are manufactured in sustainable manner and remain safe, durable products; and how can end-of-life tires shed the “waste” designation and become recognized as a value-added resource?

Our symposium will discuss these and more questions in tire sustainability, and once again demonstrate that the tire and rubber industries and recycling systems lead the way when it comes to understanding and being responsive to environmental imperatives.

Please join TRAC, Divert NS our host sponsor, and other sponsors and exhibitors in historic Halifax, Nova Scotia, as we look forward to hosting you at our 2023 Rubber Recycling Symposium

Preliminary Program-at-a-Glance

DAY 1: POLICIES & PROGRAMS

Wednesday, October 4

7:30 – 9:00 am **Delegate Registration**

8:45 am **Welcome & Opening Remarks**

9:00 am **EPR for Tires in Canada**

In Canada, all 10 provinces and the Yukon Territory have programs in place to ensure the proper management of end-of-life tires. The programs all collect scrap tires and through recycling seek to transform these materials into marketable value-added products. However, there are a broad spectrum of policies at play, where producers must take varying degrees of responsibility, both physical and financial. Our panel including the Chair of TRAC's ELT Committee, the Canadian Association of Tire Recycling Agencies (CATRA) program manager, and representatives from several of the provinces representing IPR, EPR and government led programs who will provide insights including challenges and opportunities.

10:30 am **Refreshment & Networking Break**

11:00 am **Global EPR Programs for Tires**

With the Canadian landscape fresh in our minds, we turn our attention to EPR programs for tires around the world. Representatives from programs in Australia, India, Sweden, and Italy have been invited to attend and provide highlights of their respective programs, including how they began and how they have evolved over time.

12:00 pm **Lunch & Networking Break**

1:30 pm **Legislative Session – Bills & Bans**

In December 2020, a seminal study by Tian et al proposed that a ubiquitous tire rubber-derived chemical (6PPD-quinone, an oxidation product of an additive intended to prevent damage to tire rubber from ozone) induced acute mortality in coho salmon in the pacific northwest. This prompted the California Department of Toxic Substances Control (DTSC) to propose a new regulation that requires companies manufacturing motor vehicle tires for sale in that state to evaluate safer alternatives to 6PPD. Hear how the DTSC and USTMA are working towards a viable solution for the environment and consumer safety.

Last September, the European Commission proposed a complete ban on synthetic infill in sports pitches, with a transition period of six years to allow users to switch to less harmful alternatives. Hear from the European Tire Manufacturers Association (ETRMA), on the latest from the EU on this proposed ban and consequences for the industry worldwide.

3:00 pm Refreshment & Networking Break (Exhibit Hall)

3:30 pm Scrap Tire Lifecycle Assessment (LCA)

People expect that products made from recycled tires will deliver ecological benefits when compared to the use of (new) materials they displace. Putting numbers to this expectation was at the heart of the “Scrap Tire Life Cycle Assessment (LCA),” a study that involved the elective participation of seven members of CATRA. The study included collection and analysis of participating tire recycling agencies using data spanning 2017 – 2020, and in spring 2022, participants received their individual LCA report. A study overview and results will be presented.

4:00 pm Closing Remarks

5:00 pm Networking Reception

DAY 2: MANUFACTURERS, MARKETS, & MAVENS

Thursday, October 5

7:00 – 8:00 am **Breakfast**

8:30 am **Driving Sustainability in Tire Manufacturing**

The challenge to achieving tire production with an ever-decreasing environmental footprint is key to sustainability efforts. The global tire manufacturing industry continues to implement new approaches and technologies to achieve economic, environment and social KPIs. Representatives from some of the world's leading tire manufacturers will share ideas and challenges in delivering on their sustainability objectives.

10:00 am **Refreshment & Networking Break**

10:30 am **Market Development Opportunities for ELT**

Markets for scrap tires present different degrees of opportunity for supporting the circular economy. End-of-life-tires gain a second life in the form of Rubber Modified Asphalt (RMA), Tire Derived Aggregate (TDA), Tire-Derived Products (TDP) and Tire Derived Fuel (TDF). Hear from our panel of experts on market size, performance, economics, and sustainability, amongst others, of these second life products. Emerging technologies of pyrolysis and devulcanization will also be covered here.

12:00 – 1:30 pm **Lunch & Networking Break**

1:30 pm **CEO Panel**

Back by popular demand, our closing session features a panel of CEOs who will offer their unique perspectives on tire recycling markets, opportunities and challenges faced, and removing obstacles hampering their ability to innovate, prosper, and be part of the CE solution.

3:00 pm **Closing Remarks**