

Conference program

<https://conferences.emissionsanalytics.com/tyres-us>

Day 1 – 24 April 2024 – In-use tyre emissions

Time	Format	Speaker(s), Organisation	Title
8.45-9.00am	Welcome	Nick Molden, Emissions Analytics	Session 1 – Current status
9.00-9.25am	Presentation	Professor Frank Kelly, Imperial College London	Should we worry that tyre and road wear particles now dominate transport emissions?
9.25-9.50am	Presentation	Dr Anne Cooper Doherty, California Department of Toxic Substances Control	6PPD and the Safer Consumer Products process
9.50-10.15am	Presentation	Dr Sang-Mi Lee, South Coast Air Quality Management District	Regulatory planning perspective of non-exhaust vehicular emissions
10.15-10.45am	Networking break		
	Welcome	Professor Frank Kelly, Imperial College London	Session 2 – Industry perspective
10.45-11.10am	Presentation	Dr Larisa Kryachkova (Tire Industry Project)	The Tire Industry Project: Advancing an evidence-based approach
11.10-11.35am	Presentation	Anne Forristall Luke, US Tire Manufacturers' Association	Leadership, collaboration and engagement: USTMA's solutions-oriented approach
11.35am-12.00pm	Presentation	Gunnlaugur Erlendsson, ENSO Tyres	We need to talk about tyres
12.00-12.45pm	Discussion panel	Anne Forristall Luke (USTMA), Anne Cooper Doherty (DTSC), Gunnlaugur Erlendsson (ENSO), Richard Bailey (Drive Right Data)	Future trajectory of tyre regulation in the US and internationally
12.45-2.00pm	Lunch break		



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2.00-2.25pm	Welcome	Professor James Smith, University of California Irvine	Session 3 – Measurement
2.25-2.50pm	Presentation	Dr Arthur Chan, University of Toronto	Markers of tyre wear particles in the atmosphere
2.50-3.15pm	Presentation	Siriël Saladin, University of Cambridge	Tyre wear PM10 – where are you?
3.15-3:40pm	Presentation	Dr Susanne Brander, Oregon State University	The fish are tyred: Understanding particle and chemical impacts from tyres on a variety of aquatic species
3.40-4.10pm	Networking break		
	Welcome	Professor Barbara Finlayson-Pitts, University of California Irvine	Session 4 – 6PPD and the Alternatives Analysis
4.10-4.35pm	Presentation	Dr Craig Manahan, Washington State Bureau of Ecology	Alternatives assessment looking for safer alternatives to 6PPD in tyres
4.35-5.00pm	Presentation	Tracey Norberg, US Tire Manufacturers' Association	Responsible stewardship: US tyre manufacturing industry regulatory and stakeholder engagement on 6PPD
5.00-5.25pm	Presentation	Dr Richard Baldauf, US Environmental Protection Agency	Research on tyre wear particle emissions and impacts of 6PPD/6PPD-quinone in the United States
5.25-6.00pm	Discussion panel	Dr Scott Epstein (SCAQMD), Dr Dr Craig Manahan (Washington State), Tracey Norberg (USTMA), Dr Richard Baldauf (USEPA)	Understanding environmental effects of tyre emissions
6.00-7.30pm	Cocktail reception	Nick Molden, Emissions Analytics	Reveal of Emissions Analytics' latest 6PPD tyre rankings

Day 2 – 25 April 2024 – Tyre manufacturing, end-of-life and sustainability

Time	Format	Speaker(s), Organisation	Title
	Welcome	Nick Molden, Emissions Analytics	Session 1 – Sustainability
8.45-9.10am	Presentation	Dr Leah Mupas Segui, The Pew Charitable Trusts	Enhancing tyre sustainability: curbing microplastic emissions
9.10-9.35am	Presentation	Professor Eunha Hoh, San Diego State University	Leaching of organic compounds from tire tread particles: size dependence and chemical composition
9.35-10.00am	Presentation	Dr Linda Mitchell, Tyre Stewardship Australia	Sustainability and stewardship of used tyres in Australia
10.00-10.30am	Discussion panel	Dr Leah Mupas Segui (Pew), Dr Linda Mitchell (TSA), Siobhan Anderson (The Tyre Collective), Dr Susanne Brander (OSU)	What does 'sustainability' mean in the tyre context?
10.30-11.00am	Networking break		
	Welcome	Professor Frank Kelly, Imperial College London	Session 2 – End-of-life and recycling
11.00-11.25am	Presentation	Denise Kennedy, DK Enterprises	Assessing the value and benefits of tyres as a feedstock material in products and uses
11.25am-11.50pm	Presentation	Joaquin Wright, GHD, Inc.	Sustainable uses of tyre-derived aggregate in civil engineering applications
11.50-12.15pm	Presentation	Pascal Mascarenhas, Crumb Rubber Manufacturers	Tyre rubber meets the road
12.15-12.45pm	Discussion panel	Denise Kennedy (DK Enterprises), Joaquin Wright (GHD Environmental), Pascal Mascarenhas (CRM Rubber)	Why is creating a circular economy for tyres so challenging?
12.45-2.00pm	Lunch break		



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	Welcome	Nick Molden, Emissions Analytics	Session 3 – Tyre composition testing
2.00-2.25pm	Presentation	Dr Diane Turner, Anthias Consulting	Principles and challenges of tyre analysis
2.25-2.50pm	Presentation	Dr Matthew Edwards, Markes International	Advances in analytical instrumentation and software – tyre lifecycle, emission and content testing
2.50-3.15pm	Presentation	August Krupp, Molecular Rebar Design	Sustainable tyres with Molecular Rebar
3.15-3.40pm	Presentation	Dr Germano Siqueira, Klabin S.A.	Harnessing the antioxidant power of lignin
3.40-3.55pm	Presentation	Nick Molden, Emissions Analytics	Latest results from Emissions Analytics' test programme
3.55-4.00pm	Conference close		
4.00-5.00pm	Workshop	Markes International, Anthias Consulting, Emissions Analytics	Hands-on equipment demonstration and discussion

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