

Conference programme

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

Day 1 – 28 February 2024 – In-use tyre emissions

Time	Format	Speaker(s), Organisation	Title
08:45-09:00	Welcome	Nick Molden, Emissions Analytics	Session 1 – The big picture
09:00-09:25	Presentation	Dr David Green, Imperial College London	Quantifying tyre wear in the urban aerosol mixture
09:25-09:50	Presentation	David Shaw, Tire Industry Research	Bridging the gap between tyres, science and policy: A long-term perspective
09:50-10:15	Presentation	Professor Richard Thompson, University of Plymouth	How concerned should we be about tyre wear particles?
10:15-10:40	Presentation	Dr Larisa Kryachkova, Tire Industry Project	The Tire Industry Project: Advancing an evidence-based approach
10:40-11:10	Networking break		
	Welcome	Nick Molden, Emissions Analytics	Session 2 – Industry perspective
11:10-11:35	Presentation	Dr Adam McCarthy, European Tyre & Rubber Manufacturers Association	Euro 7 – Regulating tyre emissions for the first time
11:35-12:00	Presentation	Simon Rushton, Jaguar Land Rover	How tyre abrasion could affect tyre sizing and target setting from an OEM's perspective
12:00-12:45	Discussion panel	Dr David Green (Imperial College London), Professor Richard Thompson (University of Plymouth), Simon Rushton (JLR), Dr Sebastian Gramstat (Audi) Moderator: Nick Molden (Emissions Analytics)	Future trajectory of tyre regulation globally

12:45-14:00	Lunch break		
	Welcome	Dr David Green, Imperial College London	Session 3 – Measurement
14:00-14:25	Presentation	David O’Loughlin, University of Cambridge	Physicochemical characterisation and potential health effects of tyre wear particles
14:25-14:50	Presentation	Nicolas de Mahieu, European Tyre and Rim Technical Organisation	Design for a representative tyre abrasion rate on-vehicle test method
14:50-15:15	Presentation	Professor Stefan Hausberger, Technical University of Graz	Measurements and simulation of tyre and brake wear emissions from road traffic
15:15-15:40	Presentation	Professor Günter Leister, twms-consulting	Impact of electromobility on tyre wear
15:40-16:10	Networking break		



Emissions Analytics
TYRE EMISSIONS & SUSTAINABILITY
 EUROPE 2024

	Welcome	Dr David Green, Imperial College London	Session 4 – Government perspective
16:10-16:35	Presentation	Dr Philipp Eichler, German Environment Agency	Views on the EU regulatory framework on tyre abrasion, and measurement results from light-duty vehicles
16:35-17:00	Presentation	Richard Meads, European Regulation & Innovation Forum	Good regulatory principles and practices to deliver protection and innovation – thoughts for tyre wear emissions
17:00-17:25	Presentation	Dr Pieter van Broekhuizen, Expert Nanotechnologies & Chemical Risks	Emission of tyre wear nanoparticles and the inadequacy of data for nano risk governance
17:25-18:00	Discussion panel	Richard Bailey (Drive Right Data), Dr David Miles (UK Department for Transport), Pieter van Broekhuizen, Philipp Eichler (UBA) Moderator: Dr David Green (Imperial College London)	The future of consumer tyre labelling
18:00-19:30	Cocktail reception SPONSORED BY SYNTHOS	Synthos Special guest	When regulations go bad

Day 2 – 29 February 2024 – Tyre manufacturing, end-of-life and sustainability

Time	Format	Speaker(s), Organisation	Title
	Welcome	Nick Molden, Emissions Analytics	Session 1 – Sustainability
08:45-09:10	Presentation	Siegfried Schmuck, The Pew Charitable Trusts	Enhancing tyre sustainability: curbing microplastic emissions
09:10-09:35	Presentation	Dr Richard Baldauf, US Environmental Protection Agency	Research on tire wear particle emissions and impacts of 6PPD/6PPD-quinone in the United States
09:35-10:00	Presentation	Dr Malte Wohlfahrt, Synthos	Sustainability and performance in tandem, potential for renewable and recycled materials
10:00-10:45	Discussion panel	Siegfried Schmuck (Pew Trusts), Dr Richard Baldauf (USEPA), Gunnlaugur Erlendsson (ENSO Tyres), Dr Malte Wohlfahrt (Synthos) Moderator: Nick Molden (Emissions Analytics)	What does 'sustainability' mean in the tyre context?
10:45-11:15	Networking break		

	Welcome	Dr David Green, Imperial College London	Session 2 – Environmental and health effects
11:15-11:40	Presentation	Dr Farhan Khan, NORCE	An overview of the key topics related to the study of tyre particles and their chemical leachates: From problems to solutions
11:40-12:05	Presentation	Dr Elisabeth Rødland, NIVA	Tyre wear particles, tyre leachates and road treatments: a Norwegian case study
12:05-12:30	Presentation	Professor Jonathan Grigg, Queen Mary University, London	Effect of tyre particles on susceptibility to pneumococcal infection of airway cells
12:30-13:30	Lunch break		
	Welcome	Dr David Green, Imperial College London	Session 3 – End-of-life and recycling
13:30-13:55	Presentation	Pieter ter Haar, CIRCTEC	Tyre pyrolysis – the complexity of chemical tyre recycling
13:55-14:20	Presentation	Przemek Rakoczy, Contec S.A.	Technological advancements and collaboration – the way to circularity in the tyre industry
14:20-14:45	Presentation	Henry Hodge, Black-Ram Recycling	Managing the transition to true circularity'
14:45-15:30	Discussion panel	Pieter ter Haar (CIRCTEC), Henry Hodge (Black-Ram), Dr Malte Wohlfahrt (Synthos), Przemek Rakoczy (Contec) Moderator: Dr David Green (Imperial College London)	Why is creating a circular economy for tyres so challenging?
15:30-15:45	Conference close		



Organised in association with:



Imperial College London