



5th International Workshop on Sustainable Road Freight
29th - 30th November 2018
Cambridge University Engineering Department, Cambridge, UK

Disruptive Innovations in Road Freight Transport Systems

Thursday, 29 th November 2018 Towards Electrification of Road Freight Transport Systems									
8:30	Registration & Coffee								
9:00	Welcome and Introductions - Maja Piecyk , University of Westminster								
9:15	<i>Perspectives on the Electrification Challenge:</i> <ul style="list-style-type: none"> • Alex Haffner, National Grid • Bob Moran, Department for Transport • Peter Harris, UPS • David Cebon, University of Cambridge • Patrik Akerman, Siemens 								
11:00	Coffee								
11:30	Panel Discussion: <i>Electrification: An Opportunity to Deliver A Sustainable Road Freight Transport System?</i> Moderator: Alan McKinnon , Kühne Logistics University								
12.30	Lunch								
13:30	Parallel Session 1								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;"><i>Decarbonisation Roadmaps</i> Session Chair: Maja Piecyk, University of Westminster</th> <th style="width: 50%; text-align: center;"><i>Role of Data and Artificial Intelligence in Low-Carbon Road Freight Systems</i> Session Chair: David Cebon, University of Cambridge</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"><i>Towards Road Freight Decarbonisation – Trends, measures and policies</i> Francisco Furtado</td> <td style="padding: 5px;"><i>Exploring Artificial Intelligence Potential for Automated Vehicle Crash Prevention</i> John Woodrooffe</td> </tr> <tr> <td style="padding: 5px;"><i>Trucking into a Greener Future – the economic impact of decarbonizing goods vehicles in Europe</i> Jon Stenning, Jamie Pirie and Richard Lewney</td> <td style="padding: 5px;"><i>An Android Application for Road Freight Vehicle In-service Monitoring</i> Xiaoxiang Na</td> </tr> <tr> <td style="padding: 5px;"><i>A High Level Logistics Decarbonisation Roadmap for South Africa</i> Jan Havenga</td> <td style="padding: 5px;"><i>HGVs and Their Role in a Future Energy System</i> Matthew Joss</td> </tr> </tbody> </table>	<i>Decarbonisation Roadmaps</i> Session Chair: Maja Piecyk , University of Westminster	<i>Role of Data and Artificial Intelligence in Low-Carbon Road Freight Systems</i> Session Chair: David Cebon , University of Cambridge	<i>Towards Road Freight Decarbonisation – Trends, measures and policies</i> Francisco Furtado	<i>Exploring Artificial Intelligence Potential for Automated Vehicle Crash Prevention</i> John Woodrooffe	<i>Trucking into a Greener Future – the economic impact of decarbonizing goods vehicles in Europe</i> Jon Stenning, Jamie Pirie and Richard Lewney	<i>An Android Application for Road Freight Vehicle In-service Monitoring</i> Xiaoxiang Na	<i>A High Level Logistics Decarbonisation Roadmap for South Africa</i> Jan Havenga	<i>HGVs and Their Role in a Future Energy System</i> Matthew Joss
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	<i>Barriers for Carriers: What is Needed to Help Carriers Modernize their Fleets</i> Sophie Punte	<i>Application of Machine Learning to reduce Long-Haul Vehicle Fuel Consumption and CO₂ Emissions Through (Gamified) Driver Engagement</i> Randhir Rawatlal
15:20	Coffee	
15.35	Parallel Session 2	
	Decarbonisation Strategies Session Chair: Phil Greening , Heriot-Watt University	Technological Innovations Session Chair: Ed Sweeney , Aston University
	<i>Strategic Support for Sustainability Improvements Among Freight transport companies</i> Peter Cronemyr and Maria Hüge-Brodin	<i>CO₂ Emissions Reduction Potential of a Novel High Capacity Car Carrier Solution</i> Abdool Kamdar
	<i>How Transparent is Carbon Disclosure in the Global Logistics Industry? An investigation of internal and external carbon management practices and disclosure strategies</i> David M. Herold	<i>Importance of Vehicle Distances in a Long Vehicle Platoon</i> Petter Ekman and Matts Karlsson
	<i>Sustainable Road Freight in Port Cities – Aberdeen and CIVITAS PORTIS</i> Caroline Hood, Richard Laing, David Gray, John McCall, Neale Burrows and Amye Robinson	<i>Body Optimization of Heavy Duty Truck to Reduce Aerodynamic Drag</i> Yingchao Zhang
	<i>Reducing last-mile delivery impacts through the use of walking porters and micro-consolidation points. A case study in EC3</i> Tom Cherrett, Julian Allen, Fraser McLeod and Maja Pieczyk	<i>An Ultra-Capacitor Based Kinetic Energy Recovery System to Reduce the Energy Consumption and Emissions of Heavy Goods Vehicles</i> Daniel Ainalis, Pablo Achurra-Gonzalez, Antoine Gaudin, Juan Marcos Garcia de la Cruz, Panagiotis Angeloudis, Washington Ochieng and Marc Stettler
17.20	Day 1 Close	
19.00	Dinner Robinson College Cambridge, https://www.robinson.cam.ac.uk	
Friday, 30th November 2018 Disruptive Innovations in Freight Transport Systems		
8:30	Coffee	
9:00	<i>Radical changes in freight transport systems:</i> <ul style="list-style-type: none"> • Neil Lawrence, Amazon • Benoit Montreuil, Georgia Institute of Technology • Andrew Palmer, Centre for Sustainable Road Freight • Alan McKinnon, Kühne Logistics University 	
10:30	Panel Discussion: <i>Disruptive Innovations in Sustainable Freight Transport Systems: Knowledge Transfer and Key Factors in Implementation</i>	

	Moderator: David Cebon , University of Cambridge
11:30	Coffee
12.00	Interactive Session: Progress to Date and Where Do We Go Next?
13.30	Meeting Close & Networking Lunch

To book a place, please use our [online registration form](#).



The Centre for Sustainable Road Freight (SRF) is a collaboration between Cambridge and Heriot-Watt Universities and a consortium of organizations in the road freight sector: www.csrf.ac.uk

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