



6th International Workshop on Sustainable Road Freight

5th - 6th December 2019

Cambridge University Engineering Department, Cambridge, UK

Transitions to Low Carbon Road Freight Transport Systems

Thursday, 5th December 2019 Organisational Change and Corporate Strategies for Transitions to Low Carbon Freight Transport Systems									
8:30	Registration & Coffee								
9:00	Welcome and Introductions - Maja Piecyk , University of Westminster								
9:15	<i>Evolution towards Near-Zero Carbon Freight Transport Systems - Behavioural Aspects:</i> <ul style="list-style-type: none"> • Yongyi Shou, Zhejiang University • Jennifer Howard-Grenville, University of Cambridge • Debjit Roy, Indian Institute of Management Ahmedabad • Suzanne Greene, MIT Center for Transportation & Logistics / Smart Freight Centre • Duncan Buchanan, Road Haulage Association 								
11:00	Coffee								
11:30	Panel Discussion: <i>Are We on Track 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;"> <tr> <td style="width: 50%; padding: 5px;"> Session Chair: Maja Piecyk, University of Westminster </td> <td style="width: 50%; padding: 5px;"> Session Chair: David Cebon, University of Cambridge </td> </tr> <tr> <td style="padding: 5px;"> <i>The Development of Mid-Range Theory to Deliver Sustainable Organisational Change in the Road Freight Transport Sector: Evidence from the UK</i> Erica Ballantyne and Graeme Heron </td> <td style="padding: 5px;"> <i>E-Highway - from Field Trials to Further Uptake: Learnings and Perspective of Germany's First Public Electric Road System</i> Patrik Akerman, Gerrit Stumpe, Hasso Gruenjes and Sascha Giebel </td> </tr> <tr> <td style="padding: 5px;"> <i>Process Maturity Evaluation and Planning – Supporting Environmental Initiatives in Freight Transport Companies</i> Peter Cronemyr and Maria Huge-Brodin </td> <td style="padding: 5px;"> <i>Analysing Transition Potential in a Field in Flux: The Use of Vehicle-to-Grid in Vehicle Fleets</i> Toon Meelen, Brendan Doody and Tim Schwanen </td> </tr> <tr> <td style="padding: 5px;"> <i>Logistics in a Damaged World: Rethinking the Research Agenda</i> Jan Havenga, Zane Simpson, Ilse Witthöft, Anneke de Bod and Stefaan Swarts </td> <td style="padding: 5px;"> <i>Low Carbon Fuel Options for Local and Regional Freight Transport: CIVITAS PORTIS, HyTrEc2, and the Hydrogen Economy in Aberdeen</i> Caroline Hood, Richard Laing, David Gray, Louise Napier, Rab Dickson and Amye </td> </tr> </table>	Session Chair: Maja Piecyk , University of Westminster	Session Chair: David Cebon , University of Cambridge	<i>The Development of Mid-Range Theory to Deliver Sustainable Organisational Change in the Road Freight Transport Sector: Evidence from the UK</i> Erica Ballantyne and Graeme Heron	<i>E-Highway - from Field Trials to Further Uptake: Learnings and Perspective of Germany's First Public Electric Road System</i> Patrik Akerman, Gerrit Stumpe, Hasso Gruenjes and Sascha Giebel	<i>Process Maturity Evaluation and Planning – Supporting Environmental Initiatives in Freight Transport Companies</i> Peter Cronemyr and Maria Huge-Brodin	<i>Analysing Transition Potential in a Field in Flux: The Use of Vehicle-to-Grid in Vehicle Fleets</i> Toon Meelen, Brendan Doody and Tim Schwanen	<i>Logistics in a Damaged World: Rethinking the Research Agenda</i> Jan Havenga, Zane Simpson, Ilse Witthöft, Anneke de Bod and Stefaan Swarts	<i>Low Carbon Fuel Options for Local and Regional Freight Transport: CIVITAS PORTIS, HyTrEc2, and the Hydrogen Economy in Aberdeen</i> Caroline Hood, Richard Laing, David Gray, Louise Napier, Rab Dickson and Amye
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		Ferguson
	<i>Requirements for Shippers by Japanese Energy Conservation Law and its Effects</i> Takaharu Omi	<i>Transitioning Grocery Home Delivery Fleets from Diesel to Electric Vehicles</i> Phil Greening
15:10	Coffee	
15.30	Parallel Session 2	
	Session Chair: Phil Greening , Heriot-Watt University	Session Chair: Ed Sweeney , Aston University
	<i>A Theoretical and Evidence Based Assessment of the Economics of Last Mile Delivery Consolidation</i> Jonathan Cowie and Keith Fisker	<i>Field Testing of Low Rolling Resistance Tyres</i> Frank Kienhöfer, Xiaoxiang Na, Christopher de Saxe, Michael Atkins, Rehaan Abdulla, AK Kamdar, David Cebon
	<i>Higher Capacity Vehicles – Review of Recent Trials and Agenda for the UK</i> Julian Allen and Maja Piecyk	<i>A Heavy-duty Turbodiesel Engine with EIVC Timing & Uncoupled Compressor Circuit</i> Ipeleng Mathebula
	<i>The Decarbonisation Ability and Practicallities of a Domestic Intermodal Freight Transport Network for South Africa</i> Joubert van Eeden, Zane Simpson and Jan Havenga	<i>An Optimisation Algorithm to Maximise Coasting to Reduce Fuel Consumption of HGVs</i> Joshua Subel, Daniel Ainalis, Julien Lepine and David Cebon
	<i>Optimal Design of a Forest Road Network</i> Leif Fäldner	<i>Predictive cruise control for heavy-duty trucks using road elevation information</i> Hong Chen, Hongqing Chu, Huan Liu, and Bingzhao Gao
17.10	Day 1 Close	
19.00	Dinner Location: Trinity College, www.trin.cam.ac.uk	
Friday, 6th December 2019		
Technological Innovations in Freight Transport Systems		
9:00	<i>Transitional Technologies in Freight Transport Systems:</i> <ul style="list-style-type: none"> • Shankar Ram, Indian Institute of Technology Madras • Marianne Vanderschuren, University of Cape Town • John Comer, Volvo Group UK • Justin Laney, John Lewis Partnership • Mats Harborn, European Union Chamber of Commerce in China, Scania Group 	
10:40	Coffee	
11:00	Panel Discussion: <i>Technological Innovations in Sustainable Freight Transpor Systems: Carbon</i>	

	<i>Abatement Potential, Cost and Key Factors in Implementation</i> Moderator: David Cebon , University of Cambridge
12.00	Interactive Session: Transitions to Low Carbon Freight Transport Systems
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, Heriot-Watt and Westminster Universities and a consortium of organizations in the road freight sector:

www.csrf.ac.uk

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