

Intelligent Power Solutions to Decarbonise Rail

30 October 2018, University of Warwick

TIME	SESSION	
09:15	Registration, networking breakfast and poster exhibition	
09:45	Welcome and Introduction	<i>Richard Walker, Head of Analysis, RSSB</i>
09:50	RSSB's work on sustainability and decarbonisation	<i>Andrew Kluth, Lead Carbon Specialist, RSSB</i>
	<i>In this session we will give a brief overview of the sustainability work and initiatives that RSSB has been leading on behalf of the industry such as the Sustainability Principles and the Rail Carbon Tool. We will also give an update on the work that the Decarbonisation Task Force has championed, including the recent report to the Transport Minister in response to his call to eliminate all diesel-only trains by 2040.</i>	
10:00	Ongoing innovation and current landscape (10 mins per presentation)	
	<i>This session will be a whistle-stop tour of the latest innovation in the space of traction power energy.</i>	
	<ul style="list-style-type: none"> Deploying Alstom's Coradia iLint technology to decarbonise the UK Hydroflex Class 165 HyDrive 	<p>Mike Muldoon, Head of Business Development and Marketing, Alstom</p> <p>University of Birmingham</p> <p>David Bridges, Product Development Manager, Angel Trains</p>
10:30	The floor to the industry: key challenges ('challenge owners' elevator pitches + discussion panel)	
	<i>In this session, a selection of key industry stakeholders will present their main priorities in the areas of decarbonisation and energy efficiency.</i>	
	<i>Pitches from:</i> Paul Smart, Managing Director, Freightliner Wendi Wheeler, Energy and Carbon Strategy Manager, Network Rail Graeme Clark, Head of Business Development, Siemens Chandra Morbey, Innovation & Development Manager, Porterbrook Martin Ward, Fleet & Depots Sponsor, First Group Other TBC	
11:00	Coffee break, networking and poster exhibition	
11:15	Case studies	
	Riding Sunbeams	<i>Ollie Pendered, CEO, 10:10 Climate Action</i>
	Case study 2	<i>TBC</i>
	Case study 3	<i>TBC</i>
11:45	Elevator pitches	
	<i>Attendees will have 1 minute each to showcase their relevant research expertise. Those selected to present will be notified on 19 October.</i>	
12:15	Lunch and 'speed networking' - Lunch served in the exhibition area	
13:15	Unlocking the funding... (10 mins each + Q&A)	
	- RSSB research competition: scope and process	<i>Luisa Moisio, RSSB</i>
	- KTP call: scope and process	<i>KTP advisor</i>
	- Q&A	

The 'challenge owners' will be invited to stand to be identified by the attendees. Each challenge owner will be leading a table discussion around one of the three competition challenge: (a) high speed (b) freight (c) infrastructure. Attendees will gather round the relevant table; they will be welcome to move around and join the discussion on other challenges.

1 hour for the exercise; followed by 5min feedback from 3 groups (1 per challenge)

Other funding opportunities

First of a Kind round 2

Kelvin Davis, Innovation Lead – Rail, InnovateUK

A message from the Department from Transport

Next steps and closing remarks

Richard Walker, Head of Analysis, RSSB

Networking

Event closes

rssb.wavecast.io/carbfreerail

Floor plan and exhibition

