

2018 Annual TRL Academy Symposium

The future of UK road freight:
navigating from vision to mission

28th November 2018



Welcome

Richard Cuerden
Academy Director, TRL



World leader in creating the future of transport and mobility, using evidence-based solutions and innovative thinking

Mission

Challenge and influence our chosen markets, driving sustained reductions (ultimately to zero) in:

- fatalities and serious injuries
- harmful emissions
- barriers to inclusive mobility
- unforeseen delays
- cost inefficiencies

...enabling world-class transport and mobility solutions that underpin the needs of tomorrow's economy and society

Brand Values

Inquisitive



Progressive



Trusted



Relentless

Introducing the TRL Academy



Underpin TRL's position as a centre of excellence for research and consultancy in the transport sector

Fully engage staff in the research and innovation activities undertaken within the company

Foster collaboration with some of the world's leading research organisations

Guide training and recruitment policies, to secure the skills and capabilities to maintain our market leading position

TRL... a track record of delivering impactful innovation

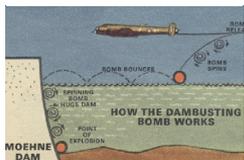
1949
Zebra Crossing



1950's/70's
The UK Motorway network



1939-45
Barnes Wallis' Bouncing Bomb



1960s
Early simulator



1969
The self-driving Citroën DS19



1972
The magic roundabout, Swindon



1997
NCAP launched



1980's
Deflectometer



2014
TRL cycle infrastructure development



2012
London Summer Olympics



2015
Gateway driverless shuttles



2016
Electric double decker bus



2018
London Smart Mobility Living Lab



2017
HGV Truck Platooning



Innovation



TRL's challenge is to foster a culture of creativity and innovation throughout the organisation. It should acknowledge and celebrate previous TRL innovation success, but look to the future and innovate for the clients and markets it wishes to serve in the future. It should overcome the barriers to innovation and harness the collective intelligence that it has today, so that TRL can continue to remain relevant in an increasingly competitive and rapidly changing transport landscape.



We are embarking on the **world's first independent** platooning trials to take place in a live **operating environment** to quantify **real-world** benefits.

This is not a demonstration.



Thought Leadership



**Connected &
self-driving
vehicles**



**Ultra-low
emission
technologies**



**Shared mobility
services**



**Intelligent asset
information**



**Big data, machine
learning &
artificial
intelligence**



Connected & self-driving vehicles

7

Number of projects

32.8%

Total spend by thought leadership theme (actuals)



Spend change from 16/17



Ultra-low emission technologies

2

Number of projects

6.3%

Total spend by thought leadership theme (actuals)



Spend change from 16/17



Shared mobility services

0

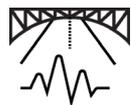
Number of projects

0%

Total spend by thought leadership theme (actuals)

-

Spend change from 16/17



Intelligent asset information

3

Number of projects

13.2%

Total spend by thought leadership theme (actuals)



Spend change from 16/17



Big data, machine learning & artificial intelligence

3

Number of projects

22.5%

Total spend by thought leadership theme (actuals)



Spend change from 16/17

?

Other

8

Number of projects

25.2%

Total spend by thought leadership theme (actuals)



Spend change from 16/17

Annual TRL Academy Symposium 2017: Healthy mobility



The Symposium is a flagship event to showcase areas of research that are of fundamental importance. We invite speakers from TRL to share the stage with experts from academia, industry and the public sector, to explore and debate diverse topics.

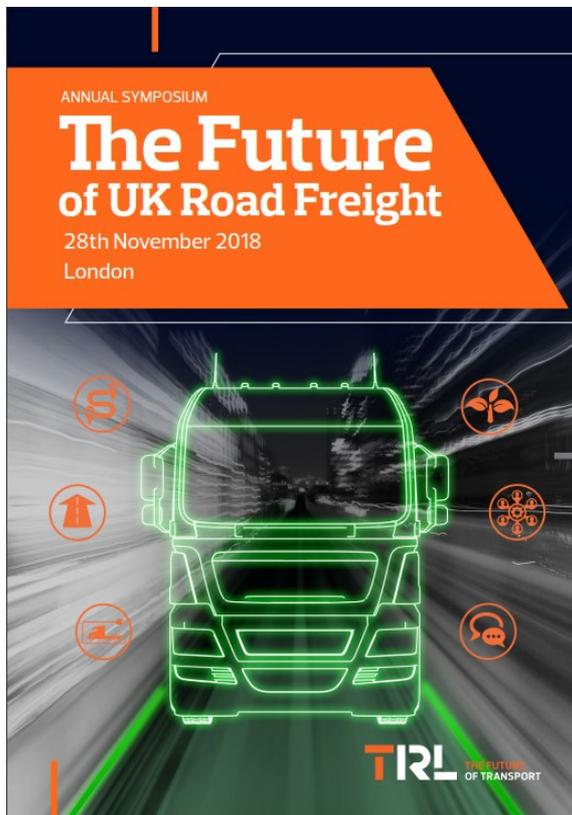
Healthy mobility:

Creating safer, cleaner and more liveable transport

- Active travel strategy
- Planning for multi-modal journeys
- Mental health and physical impairment
- Societal change
- Data

The symposium will also provide a forum to share our work on cycle access and infrastructure, mental health, safety, air quality and ageing transport users.

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Future of UK Road Freight: navigating from vision to mission

The Symposium this year will explore the topic of road freight in the UK. With invited speakers from Government, Industry and Academia, we will debate key issues such as:

- The challenges facing the freight industry
- The technological, operational and environmental considerations of freight transport
- Policy considerations, supply chain concepts & new business models
- Freight traffic control & other innovative ideas
- The feasibility of implementing real-world, on-road trials

The symposium will also provide a forum to share our work on platooning, the LEFT project, Driver Wellbeing and electric roads.

28th November 2018 | 13.00-19.00 | Cavendish Conference Centre, London

Annual TRL Academy Symposium 2018: The future of UK Road Freight



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