



The UK   
CAV  
infrastructure  
SYMPOSIUM

**LONDON COUNTY HALL**  
4-5 OCTOBER 2021



**Event Brochure**


CO LOCATED WITH THE UK ELECTRIC & HYBRID VEHICLE CHARGING INFRASTRUCTURE SYMPOSIUM

[www.ukcavinfrastucture.com](http://www.ukcavinfrastucture.com)



# Welcome to The UK CAV Infrastructure Symposium!

We hope to see you in October!



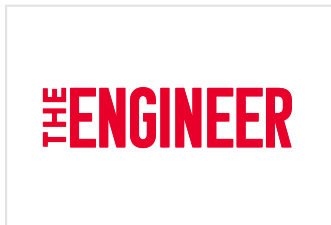
We're bringing together the community who will shape the necessary connectivity and infrastructure as ever-more intelligent, automated, and driverless vehicles push toward populating the roads of Britain.

The publishers of **Traffic Technology International** are delighted to announce that **The UK CAV Infrastructure Symposium** will take place in **London's County Hall from 4-5 October, 2021**.

Taking place in the heart of London, The UK CAV Infrastructure event will be co-located with **The UK Electric & Hybrid Vehicle Charging Infrastructure Symposium**, a conference that is dedicated to helping ensure Britain is as ready to accommodate the current and ever-growing influx of electric-only vehicles. Delegates will be able to participate in both conferences at no extra cost.

# Event Partners.

## Media Partners



**INTERESTED IN BECOMING AN EVENT MEDIA PARTNER OR SPONSOR?**

For all event partner enquires please contact: **Emily Osmond** on [Emily.osmond@markallengroup.com](mailto:Emily.osmond@markallengroup.com)  
for media partnerships and **Jack Jones** on [jack.jones@markallengroup.com](mailto:jack.jones@markallengroup.com) for sponsorship opportunities

# What to Expect.

Delegates can expect to see presentations from some of the best-known, most qualified experts on establishing and delivering CAV infrastructure. We'll focus on which technologies and services to employ, plus how best to future-proof your CAV system choices.

With **key figures from car manufacturers** talking about their product plans and their CAV infrastructure requirements to **senior figures** from **pilot-project operators** and **research associations**, The UK CAV Infrastructure Symposium will help you make informed decisions on what technologies and systems to invest in!



## Who Should Attend?

The Symposium will bring together Britain's local authorities, legislators, highway authorities and communications companies who need to install a connected-vehicle network throughout the UK. Moreover, the event will be a fantastic in-person networking environment to discuss, debate, and discover new technologies, techniques, legislation, and possibilities, as well as meet new contacts face to face.

# Agenda.

**08:45 - 09:25**

Registration

**09:25 - 09:30**

Chair's Opening Remarks

Ryan Hood, Chairman, ITS (UK) & TRL

**09:30 - 10:00 - Keynote**

Coordinating Activities Across the UK to Enable the Roll-Out of Interoperable Connected Services

Professor Phil Blythe, Former DfT Chief Scientific Officer, University of Newcastle

**10:00 - 10:30 - Keynote**

Shaping the Safe & Secure Emergence of Connected & Self-Driving Vehicles in the UK

Isobel Pastor, Head of the Centre for Connected & Autonomous Vehicles, CCAV

**10:30 - 11:00**

Break & Exhibition

**11:00 - 12:00 - Panel Discussion**

Level 1 to Level 5: What are the Legal Implications to Support Commercial Deployment of CAV on Public Roads & how can we Adapt from the Status Quo?

Lucy Pegler, Director, Burges Salmon

Jonathan Harrod Booth, Director, Harrod Booth Consulting & Chair, BSI's ITS Standards Committee

**12:00 - 12:30 - Case Studies**

Urban Intelligent Transport Systems to Support CAV in Cities

Daniel Hobbs, Principal Technologist, Connected Places Catapult

**12:30 - 13:45**

Lunch & Exhibition

**13:45 - 15:15 - Case Studies**

Testing to support the development of increasingly complex CAV technology. Overview of validation techniques, CAV highway simulation and modelling around recent pilot programmes and trials with case studies from leading testing facilities.

- **13:45 - 14:05** – Overview of CAV Highway Simulation & Modelling - Dr Daniel Ruiz, Chief Executive, Zenzic
- **15:05-14:25** – Case Study - Edward Li, ITS-CAV Lead & the Lead for the Midlands Future Mobility CAV Testbed, Transport for West Midlands
- **14:25-14:40** – Case Study - Alastair Evanson, Head of Assured CAV, Horiba Mira
- **14:40-15:00** – Speaker TBC
- **15:00-15:15** – Joint Q&A

**15:15 - 15:45 - Break & Exhibition**

Registration

**15:45 - 16:30 - Panel Discussion**

Infrastructure Adaptability: Futureproofing the Infrastructure for CAVs & Coordinating the Provision of a Connected Infrastructure

Speakers TBC

**16:30 - 17:30**

Evening Networking Reception

# Agenda.

**08:45 - 09:25**

Registration

**09:25 - 09:30**

Chair's Opening Remarks

Tom Stone, Editor, TTI

**09:30 - 09:50 - Case Studies**

Exploring Both Sides of the Coin: How can CAV Improve Road Safety?

Professor Nick Reed, Founder, Reed Mobility

**09:50 - 10:10 - Case Studies**

Exploring Both Sides of the Coin: What Infrastructure do we Need to Assure the Safety of Highly Automated Vehicles?

Dr Suzy Charman, Executive Director, Road Safety Foundation

**10:10 - 10:30 - Case Studies**

How Safe Does a Driverless Car Have to be, and how Does this Impact our Future Infrastructure?

Dr Siddhartha Khastgir, Head of Verification & Validation, Intelligent Vehicles, WMG, University of Warwick

**10:30 - 11:00 - Panel Discussion**

Joint Q&A

**11:00 - 11:30**

Break & Exhibition

**11:30 - 11:50 - Case Studies**

Insights into the Digital Roads Initiative: What are the Future Infrastructure Requirements to Enabled Connected & Autonomous Driving? Sharing Learning from Trials & Influence on Thinking

Dr Joanna White, Head of ITS, Highways England

**11:50 - 12:10 - Case Studies**

Connectivity for Real-Time Traffic Management to Improve Traffic Signals

Andy Graham, Director, White Willow Consulting & ITS (UK) Connected Vehicles Forum

Ian Pengelly, Associate Director, WSP & ITS (UK) Connected Vehicles Forum

**12:10 - 12:30 - Panel Discussion**

Joint Q&A

**12:30 - 13:40**

Lunch & Exhibition

**13:40 - 15:00 - Case Studies**

Assessing the Need for Accurate & Resilient Positioning, Navigation, Timing (PNT) for Safe Deployment of CAV

Exploring the likely technologies required from satellite and cellular to ITS-G5 using roadside beacons.

- **13:40-14:00** – How GNSS-Based PNT Delivers the In-Vehicle 'Truth' from Which all Autonomous Decisions are Made
- **14:00-14:20** – The Role of Cellular: Roadmap, Satellite Enabled 4G/5G, Standards, Testbed & Applications
- **14:20-14:40** – ITS-5G
- **14:40-15:00** – IJoint Q&A

**15:00 - 15:30**

Break & Exhibition

**15:30 - 16:15 - Panel Discussion**

Accurate Localisation & Navigation in Complex Terrain

Speakers TBC

**16:15 - 16:20**

End of Symposium

# Speakers.



Chairperson

**Ryan Hood**

Chairman, ITS (UK) & TRL



Chairperson

**Tome Stone**

Editor, TTI



**Andy Graham**

Director, White Willow Consulting & ITS (UK)  
Connected Vehicles Forum



**Alastair Evanson**

Head of Assured CAV,  
Horiba Mira



**Daniel Hobbs**

Principle Technologist,  
Connected Places Catapult



**Dr Daniel Ruiz**

Chief Executive, Zenic



**Edward Li**

ITS-CAV Lead and the Lead  
for the Midlands Future Mobility  
CAV Testbed, Transport for  
West Midlands



**Ian Pengell**

Associate Director, WSP & ITS  
(UK) Connected Vehicles Forum



**Isobel Pastor**

Head of the Centre for  
Connected & Autonomous  
Vehicles, CCAV



**Dr Joanna White**

Head of ITS,  
Highways England



**Jonathan  
Harrod Booth**

Director, Harrod Booth Consulting  
& Chai, BSI's ITS Standards  
Committee



**Lucy Pegler**

Director, Burges Salmon



**Professor  
Nick Reed**

Founder, Reed Mobility



**Professor  
Phil Blythe**

Former DfT Chief Scientific  
Officer, University of Newcastle



**Dr Siddartha  
Khastgir**

Head of Verification & Validation  
Intelligent Vehicles, WMG,  
University of Warwick



**Dr Suzy Charman**

Executive Director, Road Safety  
Foundation

# Get Involved.

Book your delegate pass

**Full Price: £950**

Your delegate pass also gains you free access to the co-located UK Electric & Hybrid Vehicle Charging Infrastructure Symposium as well as networking lunches, coffee and refreshments.

To book your place visit [www.ukcavinfrastructure.com/book-now](http://www.ukcavinfrastructure.com/book-now) or contact Adrian Forde, or direct on +44 (0)20 3874 9209.

\*Conference pass bookings made and paid before 1st June 2021 will be 100% refundable in the unlikely occurrence that the UK Government/local authority forbids the opening of public events within 28 days of the Symposium taking place.

Join us as an exhibitor  
or sponsor

We have a variety of different tailored packages available for you to join us.

To discuss sponsorship opportunities further please contact Jack Jones, [jack.jones@markallengroup.com](mailto:jack.jones@markallengroup.com) or direct on +44 (0)20 3874 9204.



# Get in Touch.



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