

## Tweets from London TravelWatch's Ruth Thompson Memorial Lecture 2019

 **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
We're pleased to be welcoming David Webb, Head of Innovation at Centre for Connected and Autonomous Vehicles @transportgovuk this evening for the 4th annual Ruth Thompson Memorial Lecture. Follow live tweets from 7pm.  
[#AutonomousVehicles](#)


 **London TravelWatch** @LonTravelWatch · Oct 21  
Our Chair, Arthur Leathley is now introducing our lecture on [#AutonomousVehicles](#) from @transportgovuk 's David Webb.



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 **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
A full house for our 4th annual Ruth Thompson memorial lecture. This year David Webb, will present on connected and autonomous vehicles.




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 **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
The Centre for Connected and Autonomous Vehicles is 4 yrs old. It works to ensure the UK remains a world leader in CAV technology. The @lawcommission is half way through a review of the Centre. [#AutonomousVehicles](#)

 **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
Webb: we're the first country in the world to have set an insurance framework for when [#AutonomousVehicles](#) are in use. £100m of Govt money is being matched by industry & other funds for R&D. £100 matched by industry has been secured for an integrated testing ecosystem.

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-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
In the UK we have a world leading code of practice ensuring appropriate insurance, a roadworthy vehicle & a driver or operator. #AutonomousVehicles
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-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
The @lawcommission has just launched a major consultation on regulations for the safe deployment of highly automated passenger services. Responses are welcome: [lawcom.gov.uk/project/automa...](http://lawcom.gov.uk/project/automa...) until 16/1/20. #AutonomousVehicles
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-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
At the moment the technology is new & novel. So there is a need for assurance of safety. 2 paths: 'something everywhere' - ever increasing levels of automation & 'everything somewhere' - vehicles that are highly autonomous in specific locations and scenarios. #AutonomousVehicles
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-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
Webb: Within 5 years there will be #AutonomousVehicles on airport sites, university campuses etc but it will probably be 15 years before fully autonomous vehicles are on our roads.
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-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
Industry & university engagement is very important eg collaboration with @AddisonLeeCabs @warwickuni @UniversityLeeds & @imperialcollege #AutonomousVehicles
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-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
A lot of the focus from companies like @BMW & @AudiOfficial at the moment is to make drivers' lives easier #AutonomousVehicles
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£126m of Govt money committed until 2021/22. The UK now supports 82 collaborative R&D projects involving over 200 organisations. Aim now to deliver 3 self-driving commercial services for the UK public by 2021 incl self-driving public bus services in Scotland #AutonomousVehicles



**London TravelWatch** @LonTravelWatch · Oct 21

Govt is delivering 8 test areas for #AutonomousVehicles World leading testing environments from simulation & virtual validation, closed environment testbeds to live/real world opportunities.



**London TravelWatch** @LonTravelWatch · Oct 21

Sheer amount of data from #AutonomousVehicles driving around raises issues re what you do with it/how you store it. An F-35 jet has 25m lines of code, a luxury car has 100m but an autonomous vehicle will have 250m+. In 2015 8% of cars had advanced driving, by 2025 it'll be 62%.



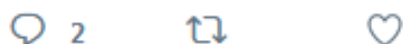
**London TravelWatch** @LonTravelWatch · Oct 21

Issues for #AutonomousVehicles include blind spots, situational awareness. Could be overcome by sensors in infrastructure/st cameras, sensor fusion & a 'God's eye view'.



**London TravelWatch** @LonTravelWatch · Oct 21

Millions of miles of driving are needed to statistically prove #AutonomousVehicles are safer than a human driver. Simulation may be able to reduce this burden.































**London TravelWatch** @LonTravelWatch · Oct 21


.@rfpro have developed simulations where you can study crash dynamics. #AutonomousVehicles







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-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
.@\_FiveAI v keen on providing self-driving private hire vehicles. Recent trials in Croydon. #AutonomousVehicles  
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-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
@oxbotic have received funding from @transportgovuk & sell software to cos interested in developing autonomous vehicles. @AddisonLeeCabs looking to roll out PHVs using this tech next yr. #AutonomousVehicles  
  
-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
Webb: If we create single person pods which are easy to use & can get you anywhere we are not going to solve big issues surrounding the future of mobility. #AutonomousVehicles  
  
-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
So #AutonomousVehicles could lead to utopia or dystopia. @ccavgovuk run open events where industry, charities, NGOs etc can find out more about the work it is doing.  
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-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
Webb: Trust is a known problem we have to solve and we're not there yet. #AutonomousVehicles  
  
-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
Webb: there are two challenges re mass take up of #AutonomousVehicles - people need to be convinced to use the technology & then to actually buy the cars.  
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-  **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
In the future it won't matter which way a car is facing - we could easily have 4 wheel drive, 4 wheel steering, 360 degree vision etc. #AutonomousVehicles  
  
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Webb: The average vehicle is only being used c3% of the time so a key benefit of [#AutonomousVehicles](#) could be to reduce vehicles on the road with people moving away from car ownership towards mobility as a service.

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 **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
.[@ccavgovuk](#) are working with universities & are looking at ethical issues which need to be resolved when it comes to [#AutonomousVehicles](#) But as technology improves, no of accidents sld be reduced as 90% of accidents currently due to human error.

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 **London TravelWatch** @LonTravelWatch · Oct 21 ▼  
Thanks to David Webb for an interesting evening. [#AutonomousVehicles](#)

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