

CONNECTED AND AUTONOMOUS VEHICLES



WHAT THE WITNESS SAID

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Most people in a big city today would rather use a taxi app than they would public transport. The reason they don't is because it's more expensive, isn't it? If it was cheaper, which it would be with an autonomous vehicle, then it's logical to assume all people would want to use them because the cost isn't an issue.

William Sachiti
CEO, Academy of Robotics

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Obviously, looking back at history, as we develop technologies and we are challenged to develop more advanced technologies, there have always been people on the other side trying to interfere with these technologies. That becomes all the more relevant where we are developing fully autonomous vehicles that have had no human input and no capability to control the vehicle.

Dr Wolfgang Schuster
Technical Director, Atkins

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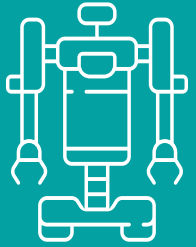
Where it's no longer viable to run busses on a regular basis with a driver, to run a smaller autonomous vehicle without a driver may suddenly become cost effective. So, it may well enhance a public transport function in rural areas.

Dr Paul Nieuwenhuis
Director for Wales, Senior Lecturer in Logistics and Operations, Cardiff University

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Connected and Autonomous Vehicles (CAVs) have the potential to provide safer, cheaper and more convenient transport in the future, with vehicles that scan 40,000 times a second in all directions to see ahead and avoid danger.

Wales has the potential to be at the heart of this new industry but there is still much work to do in building public trust and acceptance of the technologies.



FURTHER READING

◆ **Connected and Autonomous Vehicles: The future?**

House of Lords Science and Technology Select Committee Report

◆ **Briefing Paper**

House of Commons' briefing paper on the Automated and Electric Vehicles Bill 2017-2019

THE WITNESSES CALLED FOR:

- ◆ Pre-crash data to be shared between all CAV developers
- ◆ Welsh Government to act as an enabler, facilitator and co-ordinator for CAV, including the creation of a 5G test bed CAV centre in Wales
- ◆ Caution when regulating on emerging technologies



For more information about the Economy, Infrastructure and Skills Committee and its work on automation in Wales visit: www.assembly.wales/seneddeis