



Notice of Joint Technical Meeting with CIHT

Date: Tuesday 21st January 2020

Time and Venue 6.00pm – University of Ulster Belfast
Rooms BA-00-021 and BA-00-022

Tea and Sandwiches at 5.30pm

Speaker: Dr John McCarthy

Subject: Autonomous/Connected/Electric/Shared Vehicles

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Dr. John McCarthy is the European Intelligent Mobility leader for Ireland and informs on Global activity for Arup in the area of Connected and Autonomous Vehicles. He has over 20 years of expertise to the role. He is a specialist in areas such as Connected and Autonomous Vehicles (CAVs), Mobility as a Service (MaaS), Cyber Security and Transport Network Operations. John has a PhD in Electrical Engineering from Trinity College Dublin where he also served as a lecturer and has also worked in various Divisions of Transport for London.

About the Presentation:

A new mobility revolution is sweeping the globe. Connected and autonomous vehicles are likely to become a common feature on Irish roads within the next decade, along with the increased use of electric and shared vehicles.

Collectively, ACES (autonomous/connected/electric/shared) will have a major impact on the Irish transport network. Like many countries globally, ACES will introduce an era of unprecedented change. Therefore, it is vital for Ireland to consider how we manage and take advantage of this new technology.

ACES presents many opportunities, from making our roads safer to reducing emission levels, as well as the added implications of increasing high end job creation and reducing social isolation. In order to maximise the benefits presented by ACES, actions are required across various areas. This presentation provides an overview of some of the steps we can take in order to prepare for the arrival of ACES in Ireland.

Key actions are detailed across the following areas:

- Financial implications and economic growth;
- Mobility as a service;
- Electrification;
- Infrastructure;
- Testing;
- Data management and transparency;
- Data arbitration and governance;
- Data aggregation;
- The role of government.

Fundamentally, our recommendations also reflect that ACES is not just about the technology itself. More importantly, it's about putting the travelling public at the centre of all mobility choices and using emerging technology, as outlined in this presentation, to make a positive impact on all our lives.

The Institute of Asphalt Technology *Paving the Way*

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