

Director's Message from Prof John Nelson

Welcome to our Spring Newsletter. In this issue we provide a special focus on our knowledge exchange activities, many of which are carried out in partnership with the Transport Systems Catapult (TSC). A particular highlight was the Intelligent Mobility (IM) Skills event which showcased the TSC's 2016 IM Skills Initiative report and helped to identify opportunities for new taught course activities within CTR. We continue to promote the development of Mobility as a Service (MaaS) and hosted a business breakfast in April; we have also become a founding member of MaaS Scotland. The year began with some intensive H2020 proposal writing activity which, at the time of writing, has resulted in a proposal being called to grant preparation.

CENTRE FOR
Transport Research



Focus on Knowledge Exchange

Following on from CTR's participation in development of the TSC's Intelligent Mobility (IM) Skills Strategy, in March we held our **IM Skills Event**. At this half-day workshop, we engaged stakeholders in an exploration of how changing requirements for IM skills may impact upon transport planning and development in Scotland, obtaining input into priority areas and methods of training. Featuring speakers from CTR, TSC, Transport Scotland, and the IBI Group, the event provided useful insight into effective methods for developing necessary IM skills.

CATAPULT
Transport Systems



From driverless pods to bespoke individual travel planning, how can we combine technology and data for better and more intelligent transport systems? At the **Intelligent Mobility: Connecting our World** event at the Edinburgh International Science Festival in April, speakers from CTR, TSC, and Heriot-Watt University came together to explore initiatives aimed at improving the travel experience.

The Mobility as a Service (MaaS) concept has been described as representing the future for how we will travel. Drawing on technological advances and changing consumer needs and attitudes, it offers the potential for moving away from traditional forms of car ownership. In our **MaaS Business Breakfast**, also held in April, a panel of speakers from the University of Sydney, MaaS Scotland, the TSC, and Aberdeen City Council led a discussion on what the future of MaaS could look like and how policy makers and the transport sector can innovate to meet the changing expectations of consumers.



The **Cyber Security and Intelligent Mobility Workshop**, co-organised by TSC and CTR, took place in Glasgow in March. The event was designed to explore technological threats to Intelligent Mobility, consider the different capabilities required by the sector to tackle these challenges, and provide better understanding of the knowledge gaps, requirements and capability limits within and between academia, government and the Cyber Security industry in relation to this emerging market.

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ESPRIT Communication Event

The ESPRIT H2020 Green Vehicle project (<http://www.esprit-transport-system.eu/>) is developing a purpose-built, light-weight stackable electric vehicle which can form road trains and be organised via economically sustainable redistribution policies. A very successful Communication event was held at the Hillington Park demonstration site (near Glasgow) in Jan 2017. This event with key stakeholders included presentations and a discussion session with key stakeholders on ESPRIT and its potential use on Hillington Park. In addition, there was an exhibition featuring the ESPRIT mockup vehicle which was open to the public. Further information is available from r.mounce@abdn.ac.uk.



Staff News

Welcome to **Julie Anderson** who joined CTR in January to provide administrative support to the TSC University Partner Programme project and **Prof Corinne Mulley** (ITLS, University of Sydney) who has been appointed to an Honorary Chair in Transport in CTR.

Congratulations to **Dr Caitlin Cottrill** on her appointment to the Universities' Transport Study Group (UTSG) Executive Committee for a three year term.

Congratulations to **Dr Richard Mounce** and **Dr Steve Wright** who are extending their work on rural flexible transport systems with an award from NHS Highland.

Dr Caitlin Cottrill was an invited speaker at the Technology and Data-Driven Transport event as part of the British Embassy Manila's Public Lecture Series (University of the Philippines, Diliman, February 2017).

Prof John Nelson has been appointed to the Scottish Government's National Transport Strategy for Scotland Review and Evidence Group.

Prof Laurie Pickup (Hon. Chair of European Transport Policy) has been advising the European Commission on transport requirements of the Outermost Regions.

PhD News

Welcome to **Nitin Kadam** who joined CTR as a research student in January 2017 and is investigating public perception of advanced transportation systems.

Sample of Latest Publications

Corsar, D, Edwards, P, Nelson, J, Baillie, C, Papangelis, K and Velaga, N (2017) Linking open data and the crowd for real-time passenger information. *Web Semantics: Science, Services and Agents on the World Wide Web*, 43, 18–24.

Cottrill, C, Gault, P, Yeboah, G, Nelson, J D, Anable, J and Budd, T (2017) Tweeting Transit: An examination of social media strategies for transport information management during a large event. *Transportation Research C*, 77, 421-432.

Morton, C, Anable, J and Nelson, J D (2017) Consumer Structure in the Emerging Market for Electric Vehicles: Identifying market segments using cluster analysis. *International Journal of Sustainable Transportation*, 11(6), 443-459.

Nelson, J D, Wright, S, Thomas, R and Canning, S (2017) The Social and Economic Benefits of Community Transport in Scotland. *Case Studies on Transport Policy*. In Press.