

Director's Message from Prof John Nelson

Welcome to our Autumn Newsletter. In this edition we report on the start of two new significant awards: the H2020 CIVITAS PORTIS project (which includes the designation of Aberdeen as the first Scottish CIVITAS city) and the Innovate UK Smart Routing project, which is led from Computing Science. Our work in the area of Mobility-as-a-Service (MaaS) has been supported by an award from the Sydney University Business School and additional funding is being sought for projects in this area. We continue to seek opportunities via EU funding routes and several proposals are under evaluation or in preparation; we are supported in these activities by Laurie Pickup, our Honorary Professor in European Transport Policy, who visited for 2 weeks in October. Finally, we're pleased to report that our transport research showcase in May, which was attended by more than 30 staff from across the University, has led to some important opportunities for new collaboration with colleagues from Anthropology, the Business School and Computing Science.

CENTRE FOR
Transport Research

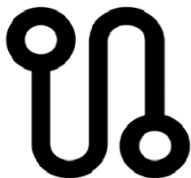


New Awards



CIVITAS PORTIS (PORT-cities: Integrating Sustainability) is a €16.4M project which will design, demonstrate and evaluate integrated sets of sustainable mobility measures in 5 major port cities located on the North Sea (Aberdeen and Antwerp), the Mediterranean Sea (Trieste), the Black Sea (Constanta), and Baltic Sea (Klaipeda). The project also involves a major international follower port city on the East China Sea (Ningbo).

The partner cities expect to prove that more efficient and sustainable mobility is conducive to the establishment of vital and multi-modal hubs for urban, regional, national and International movements of passengers and goods. CTR are responsible for cross-site evaluation and monitoring.



The **Smart Routing** project, which launched on the 1st July, is developing a mobile app that will assist people throughout their journey, from door to door. Funded by Innovate UK - the UK's innovation agency - the strategic aim of the project is to encourage more people to use public transport while reducing costs for operators. The University team are working to develop a deeper understanding of traveller behaviours and their attitudes towards data privacy

and sharing. As part of this an extensive survey of over 800 public transport passengers in Birmingham was completed. We are also working on new methods to assess the quality and reliability of data used by the system to ensure that users are provided with accurate information.

Transport Systems Catapult University Partner Programme



As a member of the University Partner Programme (UPP), CTR has been actively engaged in collaborative activities with the TSC. Some of these activities include the following:

- Drs Jennifer Holden and Caitlin Cottrill completed their contribution to the TSCs Intelligent Mobility skills initiative, leading on a work package considering intelligent mobility skills intervention options across all levels and stages of education. The report is available at: <https://ts.catapult.org.uk/imskills/>
- Drs Richard Mounce and Jennifer Holden both participated in secondments at the TSC. Richard spent 3 weeks investigating "Responsive signal control in traffic modelling packages: current capabilities and potentials", while Jennifer's secondment involved collaboration on public engagement.
- Dr Mark Becroft is working with collaborators at TSC to organise a cybersecurity workshop in the coming year.

Staff News

Dr Godwin Yeboah returned to CTR in August to work as a Research Fellow on the Smart Routing project.

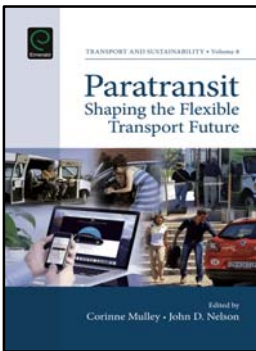
Dr Sarah Brooke joined CTR as a Research Fellow on the PORTIS project in October 2016. Sarah has an MSc with Distinction in Sustainable Transport and Travel Planning and a PhD, both from the Transport Studies Group within the School of Civil and Building Engineering at Loughborough University.

Dr Martin Kollingbaum has joined as a CTR Associate. Martin's primary research interest is normative reasoning in multi-agent systems and its application in the formation of virtual organisations, intermodal freight transport and issues of provenance in supply chain management.

Staff Activities

Prof John Nelson served as Scientific Director for the 11th ITS European Congress, Glasgow, 6-9th June 2016 (Europe's largest event in Intelligent Transport Systems and Services). He is guest editing a special issue of IET Intelligent Transport Systems (with CTR colleague **Steve Wright**) based on selected papers from the Congress.

Prof John Nelson has been appointed as Series Editor for the Routledge Transport and Mobility and Transport and Society book series.



Corinne Mulley (University of Sydney) and **John Nelson** (University of Aberdeen) are co-editors of a new book entitled Paratransit: Shaping the Flexible Transport Future (Emerald). This book draws on a selection of papers presented at the International Paratransit Conference in Monterey in October 2014 together with specially commissioned contributions, and captures the latest developments in organising and delivering local passenger transportation around flexible transport services. Contributors include CTR researchers **Steve Wright** and **Richard Mounce**.

Details, including how to order, are available at:

<http://www.emeraldinsight.com/doi/book/10.1108/S2044-994120168>

PhD News

Congratulations to **Alison Pridmore** who successfully defended her PhD thesis entitled "Neighbourhood effects and the adoption of new vehicle technologies: exploring consumer take up of Toyota Priuses" in May 2016.

Kathryn Logan has been appointed to the NERC ADVENT (Addressing Valuation of Energy and Nature Together) studentship: "Investigating the impact of the electrification of transport to reduce carbon emissions on Natural Capital" from 1st October 2016. This is a new collaboration between CTR and the School of Biological Sciences.

Sample of Latest Publications

Mulley, C and Nelson, J D (2016) Shaping the new future of paratransit: An agenda for research and practice. *Transportation Research Record*, 2454. *In Press*.

Deng, T, Nelson, J and Ma, M (2016) Measuring the impacts of Bus Rapid Transit on Residential Property Values: The Beijing Case. *Research in Transportation Economics*. *In Press*.

Mulley, C and Nelson, J D (2016) Public Transportation Systems. Entry in *The Wiley-Blackwell Encyclopedia of Urban and Regional Studies*. *In Press*.

Darroch, N, Beecroft, M and Nelson, J D (2016) A conceptual framework for land use and metro infrastructure. *Proceedings of the ICE - Infrastructure Asset Management*. *In Press*.