

UTSG 51st ANNUAL CONFERENCE
8-10 July 2019, University of Leeds
PROVISIONAL PROGRAMME



UNIVERSITY OF LEEDS

UTSG | UNIVERSITIES'
 TRANSPORT
 STUDY GROUP

Monday 8th July 2019

12.30	Registration and Buffet Lunch				
13.15	Opening Welcome				
13.30	Opening Plenary Session				
-	Why Did UK Governments Cut Road Building in the 1990s and Increase it After 2010?				
14.15	Steve Melia, UWE				
14.20	Autonomous Vehicles	Travel and young people	Issues in transport modelling	Urban transport	
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15.50	Autonomous Vehicles: Who will use them, and will they share? <i>William Clayton, Graham Parkhurst, Daniela Paddeu and John Parkin, UWE</i>	Young People's Travel – What's Changed, Why and the Implications <i>Kiron Chatterjee, Phil Goodwin, Tim Schwanen and Catherine Davie, UWE, Oxford & DfT</i>	Path Size Logit Route Choice Models: Issues with Current Models, and a New Internally Consistent Approach <i>Lawrence Duncan and David Watling, Leeds</i>	Understanding urban metro infrastructure: how the past explains the present, and the future <i>Nathan Darroch, Aberdeen</i>	
	To own or not to own? That is the question. <i>Zia Wadud and Giulio Mattioli, Leeds and TU Dortmund</i>	What 'Makes or Breaks' Walking School Buses? A Qualitative Study of Parental Attitudes <i>Alexandros Nikitas, Judith Wang and Cathy Knamiller, Huddersfield and Leeds</i>	Temporal Transferability of Vehicle Ownership, Trip Generation and Tour Patterns in Nairobi, Kenya <i>Lawrence Alongu, Charisma Choudhury and Shinya Hanaoka, Leeds & Tokyo Inst of Tech</i>	Investigating the importance of walk stages as a factor in the choice between car and public transport in urban areas <i>Dennis van Soest, Birmingham</i>	
	Expert Survey on the Application of Autonomous Vehicles <i>Amin Rezaei and Brian Caulfield, TCD</i>	Sustainable Mobility Assessment of School Neighbourhoods in Belo Horizonte, Brazil <i>Anna Carolina Correa Pereira, Renata Lúcia Magalhães de Oliveira, Guilherme de Castro Leiva, Renato Guimarães Ribeiro, Warley Silva de Oliveira and Patrícia da Silva Santos, Leeds</i>	Insights from critical realism for the design of transport models <i>Helen Bowkett, UWE</i>	A Quasi-experimental approach to measuring the impact of Manchester Metrolink on property prices <i>Daniel Johnson, John Nellthorp, Manuel Ojeda Cabral, Like Jiang and Chris Leahy, Leeds</i>	

15.50	Refreshments				
16.20 -	Ride-sharing: towards MaaS	Reliability and resilience	Mobility, accessibility and equity in transport	Big Data	Active Travel
17.50	Examining Mobility as a Service (MaaS) and its Potential to Change Travel Behaviour: A Qualitative Approach <i>Elena Alyavina, Alexandros Nikitas and Eric Tchouamou Njoya, Huddersfield</i>	Responding to Stormy Weather: Choosing Which Journeys to Make <i>Hannah Budnitz, Emmanouil Tranos and Lee Chapman, Birmingham</i>	Dynamic Accessibility and the Healthcare Ecosystem <i>Alfred Long, Jens Kandt, Alistair Leak and Paul Longley, UCL</i>	Identifying the early tap out behavior based on smart card data <i>Rui Wang, Feng Chen, Taku Fujiyama and Jinlei Zhang, UCL & Beijing Jiaotong</i>	Walking as a Service - does it have legs? <i>Glenn Lyons, UWE</i>
	Learning to Share: Car and Ride Sharing in the Age of Autonomous Vehicles <i>Georgie Wells and Zia Wadud, Leeds</i>	Optimising road network recovery from major multi-day disruptions <i>Antonio Pellicer-Pous and Neil S Ferguson, Strathclyde</i>	The (In)justice of Clean Air Zones <i>Graham Parkhurst, UWE</i>	Getting the best of both worlds - a framework for combining disaggregate travel survey data and aggregate mobile phone data for trip generation modelling <i>Andrew Bwambale, Leeds</i>	Attitude or personality? Tailoring messages for active travel <i>Kate Pangbourne, Sam Bennett and Alex Baker-Graham, Leeds</i>
	An investigation of factors affecting the sustainability and success of car sharing <i>Fatih Kerem Boz, Professor John Nelson, Dr Mark Beecroft and Dr Richard Mounce, Aberdeen</i>	How railway delays affect passenger satisfaction. An investigation using discrete choice models <i>Fredrik Monsuur, Loughborough</i>	Mobility delayed is mobility denied: Studying the impact of transport-poverty on working-women in Karachi, Pakistan <i>Sana Iqbal, Coventry</i>	Analysis of smart card data to understand the mobility patterns of concessionary bus users <i>Ffion Carney, Paul Longley and Jens Kandt, UCL</i>	A small area estimation of the capability of individuals to replace car travel with walking, cycling and e-bikes and its implications for reducing CO2 emissions. <i>Ian Philips, Jillian Anable and Tim Chatterton, Leeds and UWE</i>
19.15	Evening Buffet				

Tuesday 9th July 2019

09.00 -	Autonomous Vehicles	Encouraging inclusive use of transport	Reducing environmental impact	Travel behaviour	Road safety	
10.30	Right-of-Way Reallocation for Mixed Flow of Autonomous Vehicles and Human Driven Vehicles <i>Tang Li, Fangce Guo, Rajesh Krishnan and Aruna Sivakumar, Imperial</i>	Making railways more age friendly <i>Charles Musselwhite, Swansea</i>	Understanding the Link Between Emissions Charges and Uptake of Alternative Fuel Vehicles: Evidence from Stated Preference Data Analysis for the City of Birmingham, UK <i>Michael Mammo, Birmingham</i>	Examining intrapersonal variability in commuting behaviour using travel diary data <i>Fiona Crawford, UWE</i>	Comparing the drivers from fatal and serious injury collisions <i>James Nunn, Loughborough</i>	
	Addressing the new reality of Connected and Autonomous Vehicles in Highway Design <i>Hameed Jehanfo, Ioannis Kaparias, John Preston and Alan Stevens, Southampton</i>	Travel anxiety <i>Roger Mackett, UCL</i>	Potentials of CO2 reduction in Viennese commuter traffic <i>Gerda Hartl and Gabriel Wurzer, VUT Vienna</i>	Travel and cognitive dissonance <i>Jonas De Vos and Patrick Singleton, Ghent and Utah State</i>	Analysis of Accident Costs in Lagos State, Nigeria: Willingness-To-Pay Method <i>Abiola Agunbiade, Newcastle</i>	
	Impact of Autonomous Vehicles on Travel Distance due to the Changes in Parking Demand <i>Khaled Abdullah, Zia Wadud and Paul Timms, Leeds</i>	A review on the impact of crime on transport: towards a conceptualisation <i>Eva Heinen, Leeds</i>	Transportation and Environmental Effects of Cordon Based Pricing for New York City CBD Using Activity Based Approach <i>Amirhossein Baghestani, Mahdieh Allahviranloo, Ali Afshar and Debra Nelson, City, NY</i>	Understanding relative commuting within dual-earner couples in Germany <i>Bhuvanachithra Chidambaram and Joachim Scheiner, TU Dortmund</i>	Cross-cultural differences in driving behaviour: a driving simulator study <i>Chinebuli Uzundu, Samantha Jamson and Daryl Hibberd, Leeds</i>	
10.30	Refreshments					
11.00 -	Active Travel	Traffic Management	Reducing environmental impact	Transport and Society	Issues in Transport Modelling	
12.30	Willingness to Pay for On-Bike Safety Technology <i>Daniel Johnson, Jeremy Shires and Eva Heinen, Leeds</i>	Predicting Real-Time Traffic Conflicts using Deep Learning <i>Nicolette Formosa, Loughborough</i>	The use of vehicle-to-grid in vehicle fleets: foremost application or road with hurdles? <i>Toon Meelen, Brendan Doody and Tim Schwanen, Oxford</i>	Developing indicators for measuring social sustainability in the transport sector in small-to medium-sized cities in China <i>Zhengyue Wan, UCL</i>	Future evolution of the car stock in Belgium: CASMO, the new satellite of PLANET <i>Laurent Franckx, Federal Planning Bureau, Belgium</i>	
	Detecting Journeys in Bicycle Sharing Systems from Docking Station Counts	Signal timing optimization of the intersection connected with city ring road	Investigating the Impacts of Increased Uptake of Electric Vehicles on Air Quality and Health	The impact of migration background and social network dispersion on air and car travel in the UK	Understanding transport mode choice for commuting: The role of Affect	

	<i>James Todd, Oliver O'Brien and James Cheshire, UCL</i>	<i>Shiwei Liu, Shurong Qiu and Ying Li, Chang'an</i>	<i>Saad Almutairi, Anil Namdeo and Phil Blythe, Newcastle</i>	<i>Giulio Mattioli and Joachim Scheiner, TU Dortmund</i>	<i>Augustus Ababio-Donkor, Wafaa Saleh and Achille Fonzone, Napier</i>	
	Evaluating the cycling comfort on urban roads based on the cyclists' perception of vibration <i>Jie Gao and Yue Huang, Chang'an and Leeds</i>	Understanding attitudes to priorities at side road junctions <i>Jonathan Flower and John Parkin, UWE</i>	Investigating bus interchange re-configuration options to reduce local pollutant emissions <i>Ioannis Kaparias, Sreedevi Padmakumar and Devrim Kara, Southampton</i>	Transport Innovation Acceptance: A Gender Meta-Analysis <i>Jana Sochor and Alexandros Nikitas, Chalmers and Huddersfield</i>	Developing a Line Level Passenger Flow Control Method for Metro Lines <i>Natchaya Lailomthong and Taku Fujiyama, UCL</i>	
12.30	Buffet lunch					
13.30 - 14.15	Plenary Session Some aspects of the relationship between research and policy in transport <i>Phil Goodwin, UCL</i>					
14.20 - 15.00	Short Presentations Understanding the shared transportation services in Latin-American cities: the case of the ridehailing drivers in Mexico City <i>Thalia Hernandez Amezcua, Leeds</i> Car use: intentional, habitual or both? Insights from Wittgenstein, Anscombe and the mobility biography literature. <i>Edmond Daramy-Williams, Jillian Anable and Susan Grant-Muller, Leeds</i> Techniques used to facilitate access to public transportation facilities with emphasis on their effectiveness for people with reduced mobility: A literature review <i>Fahad Albahlal and Dimitris Potoglou, Cardiff</i>	Short Presentations An investigation of road collisions and traffic law violations in Dhaka <i>Md Easir Arafat, UWE</i> Investigating the factors influencing the adoption of environmental practices by small European airports <i>Grace Crowley, Loughborough</i> Improving Long Term Planning for Distribution Network Systems; an Optimisation - Visioning Approach <i>David Chikwendu, Paul Timms and David Watling, Leeds</i> Decarbonisation of transport: exploring potential impacts upon the automotive after sales sector <i>Jorge Eslava, Caitlin Cottrill and Mark Beecroft, Aberdeen</i>				

15.00	Refreshments				
15.30-17.00	Autonomous Vehicles	Rail demand modelling and forecasting	Transport and Regional Development	Issues in transport planning	Evaluation of Transport Investment
	Travel behaviour in automated driving futures: exploring young people's attitude towards self-driving cars, predictors of adoption intentions, and preferences for different modes <i>Ransford Acheampong, Federico Cugurullo, Maxime Gueriau and Dusparic Ivana, Manchester and TCD</i>	High-Speed Rail Forecasting Demand Model, Using Riyadh-Dammam Corridor, Saudi Arabia as Case Study <i>Hamad Almujiabah and John Preston, Southampton</i>	Does transport help to gain employment? A systematic review and meta-analysis of the empirical evidence <i>Jeroen Bastiaanssen, Karen Lucas and Daniel Johnson, Leeds</i>	Tensions in Transition: Exploring the impacts of increased demand for kerbside access <i>Tianli Tang, Greg Marsden and Ronghui Liu, Leeds</i>	Evaluation of multiple-county integrated ticketing scheme, the case of Movingo in Sweden <i>Ilyas Bandugupirah Alhassan, Bryan Matthews, Jeremy Toner and Yusak Susilo, Leeds</i>
	How experiments become futures: Social learning for self-driving cars <i>Jack Stilgoe and Tom Cohen, UCL</i>	Modelling departure time choice of commuters in urban rail transit including crowding impact <i>Yan Cheng, Xiafei Ye and Taku Fujiyama, UCL and Tongji</i>	Assessing the value of improving maritime & hinterland connections using a Chain Cost Model – The case of Saudi Arabia <i>Nora Nezamuddin, Antwerp</i>	Does clustering of transport measures enable effective evaluation? Examples from Port Cities <i>Sarah Brooke, Caitlin Cottrill, Martin Kollingbaum, John Nelson and Steve Wright, Aberdeen</i>	Land Value and Transport: Modelling and Appraisal for a large multi-city region <i>John Nellthorp, Manuel Ojeda-Cabral, Chris Leahy, Like Jiang and Daniel Johnson, Leeds</i>
	Passenger Comfort and Trust on First-Time Use of a Shared Autonomous Shuttle Vehicle <i>Daniela Paddeu, Graham Parkhurst, Jonathan Flower, Miriam Ricci and Ian Shergold, UWE</i>		Aerotropolis concept: an empirical study about two Brazilian airports <i>Anna Carolina Correa Pereira, Paul Timms and David Milne, Leeds</i>	What is the big problem with cars? Problematisations, measures and blind spots in local transport and land use planning <i>Robert Hrelja, Tom Rye and Karin Thoresson, Napier and VTI</i>	Modelling mode-specific impacts of accessibility on residential property prices <i>Christopher Leahy, John Nellthorp, Manuel Ojeda-Cabral, Like Jiang and Daniel Johnson, Leeds</i>
17.00	UTSG AGM			PGR Student Writing Workshop	
19.30	Conference Dinner – Great Hall				

Wednesday 10th July 2019

9.00 - 10.30	Autonomous Vehicles	Transport and Development	Driver behaviour	Multimodal tripmaking	
	<p>Investigating acceptability of Autonomous Vehicles in the UK - A survey of public opinion</p> <p><i>Nitin Kadam, John Nelson and Caitlin Cottrill, Aberdeen</i></p>	<p>Investigating the mechanisms influencing Information and Communication Technology adoption among selected supply chains in Nigeria: a multiple case study</p> <p><i>Anthony Ezenwa, Leeds</i></p>	<p>An Empirical Analysis of the Effect of Driver Fatigue, Gender, and Distracted Driving on Perceived and Observed Aggressive Driving Behavior</p> <p><i>Grigorios Fountas, Sarvani Sonduru Pantangi, Kevin Hulme and Panagiotis Anastasopoulos, Napier</i></p>	<p>Heterogeneity in multimodality across travel purposes: Evidence from the National Travel Survey for Great Britain</p> <p><i>Zihao An, Eva Heinen and David Watling, Leeds</i></p>	
	<p>Cybersecurity and Privacy in the Context of Connected and Autonomous Vehicles: A Qualitative Study Examining Expert Views</p> <p><i>Na Liu, Alexandros Nikitas and Simon Parkinson, Huddersfield</i></p>	<p>Assessing the social costs of urban transport infrastructure options in developing countries</p> <p><i>Tam Vu and John Preston, Southampton</i></p>	<p>Exploring the beliefs held by Nigerian drivers towards speeding behaviour</p> <p><i>Anderson Etika, Natasha Merat and Oliver Carsten, Leeds</i></p>	<p>Bike or Bus? Comprehensive Analysis on Mode Choice for Last Mile of Urban Rail Transit</p> <p><i>Feng Chen, Ya-Di Zhu and Na Zhang, Chang'an and Beijing Jiaotong</i></p>	
	<p>Trust ratings of cyclist and pedestrian encounters with autonomous vehicles</p> <p><i>John Parkin, Fiona Crawford, Jonathan Flower, Chris Alford, Phil Morgan and Graham Parkhurst, UWE</i></p>	<p>Impact Of Household Demographic Factors on Car Ownership Among Different Household Categories In Developing Countries: A Case Study Of Accra, Ghana</p> <p><i>Samuel Adjei Appiah, Greg Marsden and Jillian Anable, Leeds</i></p>	<p>Incorporating the effects of stress in a car-following model using driving simulator and physiological sensors data</p> <p><i>Evangelos Paschalidis, Leeds</i></p>	<p>CO2 emissions and multimodality: a relationship moderated by distance</p> <p><i>Eva Heinen and Giulio Mattioli, Leeds and TU Dortmund</i></p>	

10.30	Refreshments				
11.00 - 12.00	Ride-sharing: towards MaaS	Rail	Valuation	Freight and Maritime	
	Examining varying business models of on-demand shared-ride services. <i>Thomas Calvert, Juliet Jain, Graham Parkhurst, Ian Shergold and Steve Ward, UWE</i>	A Mixed Methods Analysis Into Political Lobbying Within Britain's Rail Industry <i>Jack Thompson, Leeds</i>	Estimating intercity rail passengers' willingness to pay for shifts in departure times on a competing rail market <i>Félix Vautard, Oskar Fröidh and Camilla Byström, KTH</i>	Short Sea Shipping: An analysis of European promotion programmes from 2005 to 2015 <i>Ignacio Torres Martinez, Pau Morales Fusco and Sergi Sauri Marchan, CENIT, CIMNE-UPC</i>	
	The utilisation and user characteristics of Uber services in London <i>Mohamed Jama Mohamed, Tom Rye and Achille Fonzone, Napier</i>	What the passenger really wants: rail user centric planning and mobility <i>Daniel Johnson, Kate Pangbourne, Jeremy Shires, Carlo Vaghi, Simon Mastrangelo and Simone Lettieri, Leeds</i>	The value of travel time savings in freight transport: A meta-analysis <i>Jawaher Binsuwadan, Gerard De Jong, Richard Batley and Phill Wheat, Leeds</i>	Dynamic competition evolution in the United Kingdom port range: Prognosis of the demand for container traffic at the lift-on lift-off deep water container terminals applying a Lotka-Volterra model <i>Manuel Buitrago, Southampton/Antwerp</i>	
12.05	Plenary Keynote Speaker Rearranging elephants on the Titanic: the astonishing absence of the carbon reduction imperative in transport policy and research <i>Jillian Anable, Leeds</i>				
12.50	Awards and Closing session				
13.10	Grab and Go Lunch				