



Wednesday 3 January

12:30-13:15 Registration and lunch Roberts Building Foyer G02

13:15 - 13:30 **Opening welcome** Roberts G06

13:30 - 14:15 **Session 1 Plenary**

Dick Ettema
University of Utrecht

110 travel and well being: pathways, policies and prospects

14:20 - 15: 50

Session 2

2A New Technology Roberts G06	2B Accessibility Malet 102	2C Traffic management Malet 103	2D Freight Roberts 106
Chih-Kai Yang UCL	Stephen Dixon (Smeed) University of Leeds	Lin Zhu Imperial College London	Aditya Tafta Nugraha University of Southampton
52 A cross-sectional analysis of electric vehicle uptake across countries	73 The development of a job accessibility index to support ex post evaluation of employment impacts in previously isolated or disconnected regions now connected to the rail network	39 Automated early detection of congestion in urban road networks: a deep learning approach	20 A modelling framework of land-use and transport interaction to assess co-evolution of port and urban development
Francesco Manca Imperial College London	Beatriz Mella Lira UCL	Bo Gao University of Southampton	Dave Milne University of Leeds
51 Investigating social influence mechanisms and their inclusion in discrete choice models: recent findings on electric vehicle purchase preferences	53 Exploring health-related inequalities on private, public and active transport users in Santiago de Chile	61 Developing an open source benchmarking platform for intersection control algorithms	35 Developing a model for optimising route & time period choice for improving environmental efficiency of multi-stage truck journeys
Farah Alkhalisi University of Southampton	Emelia Smeds UCL	Joel Dodsworth (Smeed) University of Leeds	MD Habibur Rahman Liverpool John Moores University
56 Digital media: a pathway technology in the electromobility transition?	30 Transport planning for the night time economy	88 Optimizing isolated signal control using V2I and vehicle classification information - a hybrid model	82 Transport capacity improvement by reducing empty container truck trips: reengineering the container truck hauling process with the collaboration of the logistic companies in Bangladesh

Wednesday 3 January

15:50 - 16:20

Tea and coffee

Roberts Building Foyer G02

16:20- 17:50

Session 3

3A Economics Roberts G06	3B Public Transport Malet 102	3C Mobility as a Service Malet 103	3D Modal Analysis Roberts 106
Steven Melia University of the West of England	Daniel Johnson University of Leeds	Caitlin Cottrill University of Aberdeen	Jennifer Mindell UCL
7 Does transport investment really boost economic growth?	80 The impact of poor accessibility and deprived neighbourhoods on youth employment outcomes	16 Mobility as a Service in the context of the General Data Protection Regulation	6 Road travel fatalities vary more by age and sex than travel mode
Giulia Rado UCL	Maria Attard University of Malta	Jillian Anable University of Leeds	Kate Pangbourne University of Leeds
47 Designing a value chain model and identifying the breadth and price of service bundles for Mobility as a Service	27 Operational reforms and policy implications on public transport safety - a preliminary analysis of bus accident data in Malta	33 The bundling of electricity and mobility services: consumer engagement with new business models	66 Arguing effectively for modal shift
Tahera Mayat University of Leeds	Jiping Fang UCL	Corinne Mulley University of Sydney	Naif Alanazi UCL
95 Factors associated with "good" performance for English highway local authorities	101 Modelling of passenger distribution on metro platforms based on passengers' choice for boarding cars	58 What are the prospects for switching out of conventional transport services to mobility as a service (MaaS) packages?	24 Key factors influencing transit mode share around the world
19:30	Dinner	Tas Restaurant	

Thursday 4 January

9:00 - 10:30

Session 4

4A Choice Modelling Roberts G06	4B Rail and Land Use Malet 102	4C Novel Modes Malet 103	4D Planning Roberts 106
Allyson Rogers Swansea University	Robin Hickman UCL	Mohamed Jama Mohamed Edinburgh Napier University	Glenn Lyons University of the West of England
10 Towards a Critical Geromobilities Approach: Combining Critical Gerontology and Mobilities to investigate the mobility of older people	21 Euston station redevelopment: regeneration or gentrification?	9 Impact of shared ridesourcing services on public transport policy and operations	26 Handling uncertainty in transport planning - purpose, procedures and people
Charles Musselwhite Swansea University	Ross Welham (Smeed) UCL	Maria Attard University of Malta	Peter Jones UCL
11 Older people's travel and mobility needs. A reflection of a hierarchical model 10 years on.	14 Framework for research and technology implementation in the UK rail industry	19 Designing new flexible transport services for a university campus - the case of Malta	34 The interplay between urban transport policy and methodology: past, present and future
Jens Kandt UCL	Daniel Johnson University of Leeds	Haruko Nakao University of Leeds	Fangce Guo Imperial College London
83 Inclusive and healthy mobility in the West Midlands: understanding declining bus patronage by senior residents from smartcard data	97 Evaluation of employment impacts of the Manchester Metrolink	75 A trip matching problem for ride sharing under heterogeneous willingness to trip share	31 Predictor fusion for short-term traffic forecasting
10:30 - 11:00	Tea and coffee	Roberts Building Foyer G02	

Thursday 4 January

11:00- 12:30

Session 5

5A Equity policies Roberts G06	5B Public Transport Malet 102	5C Commuting Malet 103	5D Urban Place Roberts 106
Tom Rye Edinburgh Napier University	Nathan Darroch University of Aberdeen	Alessandra Abeille Imperial College London	Enrica Papa University of Westminster
25 Multimodal transport equity impacts of cordon-based pricing strategies	37 Going underground: an exploration of the interfaces between underground urban transport infrastructure and its environment	15 A framework for modelling the role of tasks associated with occupations in determining the propensity to and productivity of work in mobile settings	71 Understanding station areas in Greater London: a 24h application of the node-place model
Jillian Anable University of Leeds	Qian Fu University of Birmingham	Omar Alotaibi Cardiff University	Chutipong Paraphantakul (Smeed) UCL
69 A framework for assessing spatial vulnerability in the introduction of low emission zones: a case study of Edinburgh, Scotland	105 A data model for prediction of weather-related rail incidents: a case-study example of wind-related incidents on the rail network in Great Britain	90 Commuters' behavioral intentions and factors that affect travel choices in Riyadh City, Saudi Arabia	93 Development and application of a Link and Place road classification for Thailand
Mengqiu Cao UCL			Clemence Cavoli UCL
32 Urban transport and social inequalities in neighbourhoods near metro stations in Greater London			107 Automated vehicles, implications for urban planning and policy-making
12:30- 13:30	Lunch		

Thursday 4 January

13:30 - 15:00

Session 6

6A Pollution and Health Roberts G06	6B Travel Choice Malet 102	6C Age Malet 103	6D Policy Roberts 106
Emily Morris UCL	Hannah Budnitz (Smeed) University of Birmingham	Deborah Mifsud University of Malta	Brian Caulfield Trinity College Dublin
43 Transport and public health in Havana: indicators of concern	17 Exploring the influence of weather on the choice not to travel	67 Using cluster analysis to examine travel behaviour of older people in Malta	12 Impacts of border crossing options on a post-BREXIT travel on the Island or Ireland
Abigail Bristow University of Surrey	Fiona Crawford University of Leeds	Ffion Carney UCL	Richard Allsop UCL
57 Transportation noise: nuisance or disability?	98 Examining day-to-day variability in travel behaviour by connecting network and traveller focused analyses	72 Public transport accessibility: constructing an accessibility index for the elderly population in the West Midlands	3 Zero deaths and serious injuries on our roads: is this a prospect safe system should offer?
Hebba Haddad Imperial College London	Amanda Jane Haylett University of Southampton	Shuo Li (Smeed) Newcastle University	Sarah Brooke University of Aberdeen
64 From pigeons to people: The role of personal air pollution sensors and smartphone technology in changing travel behaviour	63 The appropriate design of pre-trip planning systems to encourage inclusive support to all traveller planning types	45 Investigating the effects of age and disengagement in driving on driver's take-over control performance from highly automated vehicles	40 Challenges related to implementing sustainable transport in port cities
15:00 - 15:30	Tea and coffee	Roberts Building Foyer G02	
15:30-17:00	Panel discussion Tackling Air Pollution in the UK – what more should we be doing?		Roberts G06
17:00- 18:00	Annual Business Meeting Roberts G06		PhD session: Surviving the PhD Roberts 106
19:30	Conference Dinner	Institution of Civil Engineers	

Friday 5 January

9:00- 10:30

Session 7

7A Autonomous Vehicles Roberts G06	7B Infrastructure Malet 102	7C Traffic Management Malet 103	7D Developing Countries Roberts 106
Mohammad Hossein Mamouei University of Southampton	Michael Natrass (Smeed) UCL	Andy HF Chow City University of Hong Kong	David Chikwendu University of Leeds
28 Real-world validation of a system-level fuel economy optimisation framework in adaptive and semi-autonomous vehicle control scenarios	70 Infrastructuring when cycling: how those cycling, walking and driving come to justify the everyday use of the road	50 Architectures of network traffic control systems	59 Future scenarios for the oil and gas downstream product transportation: a case study from Southern Nigeria
Zia Wadud University of Leeds	Renan Sinanmis University of Portsmouth	Francis Brooks-Tyremen University of Bristol	Daniela Arellano Cardiff University
36 The use and usefulness of travel time in fully automated vehicles	13 Investigation into the Pavement Condition Rating (PCR) of selected roads in a Nottingham case study	8 A simulation model for intra-platoon overtaking on two-lane roads	92 The Impact of built environment on car ownership in Santiago de Chile
William Clayton University of the West of England	Nils Goldbeck (Smeed) Imperial College London	Ruzanna Mat Jusoh University of Glasgow	Daniel Oviedo UCL
68 Autonomous vehicles: willingness-to-pay and willingness-to-share	65 Resilience assessment for interdependent infrastructure systems: a dynamic network flow model	79 Traffic monitoring on sparse-measurement network-wide fundamental diagrams	91 Interrogating transport inequalities: accessibility to work and study in Santiago de Chile
10:30 - 11:00	Tea and coffee	Roberts Building Foyer G02	
11:00 - 12:30	Session 8		

**Early career researchers
Roberts 106**

**Maximising Research Funding for Transport
Nick Tyler
Malet 102**

- 55 An investigation of user preferences and acceptability of autonomous transportation systems
- 86 The MaaS maturity index - measuring readiness for Mobility as a Service
- 38 COMPARATIVE Traffic Data Analysis for a MOTORWAY WITH A tunnel segment
- 62 Walking to university in Malta: assessing the determinants of walking behaviour among university students
- 106 A comparative analysis of telematics and mobile network phone data for evaluating travel behaviour

Maximising Research Funding for Transport Nick Tyler

12:35 - 13:20

Session 9 Plenary

Roberts G06

Frank Kelly
King's College London

13:20 - 13:40

Awards and closing session

13:40

Grab and go lunch

Roberts Building Foyer G02