

UTSG 55th ANNUAL CONFERENCE

10 - 12 July 2023, Cardiff University

[Glamorgan Building, King Edward VII Avenue](#)

[Cardiff, CF10 3WA](#)

PROGRAMME

Monday 10 July 2023

11:30 - 13:00	REGISTRATION AND BUFFET LUNCH Committee Rooms 1 & 2
13:00 - 13:40 Room -1.64	WELCOME & OPENING Alex Nikitas (UTSG Chair, Huddersfield University), Dimitris Potoglou (Cardiff University) Lee Waters MS (Wales Deputy Minister for Climate Change)
13:40 - 14:20 Room -1.64 Chair	PLENARY PRESENTATION Decarbonising transport through electrification (Prof. Liana Cipcigan, Cardiff University) Dimitris Potoglou

14:30 - 16:00 Room Chair	TRAVEL BEHAVIOUR	SUSTAINABILITY	ELECTROMOBILITY	ECONOMICS & POLICY	BUS OPEN DATA SHOWCASE
	-1.64	-1.61	-1.80	0.86	0.81
	<i>Marcus Enoch</i>	<i>Margaret Bell</i>	<i>Liana Cipcigan</i>	<i>Guilio Mattioli</i>	<i>Alex Nikitas</i>
	Travel Behaviour Change: Lessons from the COVID-19 pandemic (Avineri, Afeka - Tel-Aviv Academic College of Engineering)	What factors affect walkability to non-formal public transport? A survey-based assessment of walkability in Bandar Lampung, Indonesia (Novalina, Institute for Transport Studies, University of Leeds)	The accessibility of public electric vehicle (EV) charging infrastructure in light of the electrification of transportation strategies in Nottingham and Frankfurt cities (Arslangulova, Nottingham Trent University)	Ex ante evaluation of the reform of company car taxation in Belgium (Franckx, Federal Planning Bureau)	The Bus Open Data Service: Unlocking the Potential of Bus Open Data A Department for Transport and KPMG showcase of the Bus Open Data Service
Understanding public attitudes to new cycling infrastructure and low-traffic neighbourhoods (LTNs) using Twitter data (Malet Lambert, Cardiff University)	A holistic sustainability assessment tool for interventions in long distance transport systems in the Global South (Hickford, University of Southampton)	Multi-objective genetic algorithm for electric vehicle charging infrastructure (Farhadi, Newcastle University)**Smeed Prize	Transport Accessibility and Land Value - A Commercial Property Model for the North (Jiang, University of Leeds)	Speakers: * Emily Ostridge * Triumph Okojie and * Isri Rai	
Long-time series, small-area statistics for car ownership and level of public transport service (Morgan, University of Leeds)	Sustrans Walking and Cycling Index Data Tool: An open access resource for investigating walking and cycling data (Dickins, Sustrans)	Examining the Impact of Prior Electric Vehicle Driving Experience on Purchase Intentions among Chinese Consumers (Jiang, University of Surrey)**Smeed Prize	Challenges in Long-Term Evaluation of Transport Interventions: The Case of Southampton City. (AL-Shuaili, University of Southampton)		
16:00 - 16:30	COFFEE & TEA BREAK Committee Rooms 1 & 2				

16:30 - 18:00 Room Chair	ELECTRIC VEHICLE CHARGING	SUSTAINABLE URBAN MOBILITY	MaaS & SHARED MOBILITY	FREIGHT TRANSPORT	TRAVEL DEMAND MODELLING
	-1.64	-1.61	-1.80	0.86	0.81
	<i>Dimitris Potoglou</i>	<i>Paulo Ancaes</i>	<i>Elena Alyavina</i>	<i>Tom Zunder</i>	<i>Dilum Dissanayake</i>
	Exploring the Determinants of Public Charging Preferences: A Qualitative Investigation prior to a Discrete Choice Experiment (Song, Cardiff University)	A composite Index for Assessing Sustainable Mobility in Urban and Rural areas: A Case Study in four Greek Municipalities (Chatzioannou, National Technical University of Athens)	Understanding the influence of service quality and perceived environmental contribution on customer loyalty of shared mobility users (Kavta, Newcastle University)	Transition codesign for purposive road freight decarbonisation (Churchman, Institute for Transport Studies, University of Leeds)**Smeed Prize	Revealed Preference Mode and Destination Choice Modelling: A Comparison of Household Survey and Census Estimations (Brazil, Trinity College Dublin/NTA)
Public Charging Demand Estimation Based on Geospatial Information: A Case Study of Dublin, Ireland (Li, University College Dublin)	Validating walkability indices - a pilot approach (Roper, University of New South Wales)	Can Mobility as a Service (MaaS) meet mobility needs of women in low-middle income urban households? A case study of Oshodi-Isole in Lagos, Nigeria (Ikoko, Institute for Transport Studies, University of Leeds)	Cargo Bikes and Last Mile Operations: A Systematic Literature Review (Michalakopoulou, University of Huddersfield)	9 to 5 or a New-Normal? Comparison of vehicle and cycling volumes and diurnal flow profiles before, during and after the pandemic using data clustering (Burke, Newcastle University)**Smeed Prize	
Modelling and Simulation of Solar Powered Electric Vehicles Car Parks for Smart Charging (Dai, Northumbria University)	Environment-friendly behaviour and its interrelation with cycling and non-aggressive driving in urban areas (Oikonomou, School of Rural & Surveying Engineering, Aristotle University of Thessaloniki)	User preferences and needs for first- and last-mile journeys: a case study of County Dublin (Oeschger, University College Dublin)**Smeed Prize	Exploring Sustainable Micro-Freight Solutions for Last-Mile Deliveries: A Systematic Literature Review (Lima, Universidade Federal de Santa Catarina)	A retrospective comparison of the impacts of the COVID-19 pandemic on public transport demand considering ridership and mobility indices (Lizana, Institute for Transport Studies, University of Leeds)	

18:00 - 19:00	MENTORING SURGERIES
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19:00 - 21:00	BUFFET DINNER Committee Rooms 1 & 2
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Tuesday 11 July 2023

09:00 - 10:30	MaaS AND MICROMOBILITY	CAVs	PUBLIC TRANSPORT	RAIL	AIR TRANSPORT
Room	-1.64	-1.61	-1.80	0.86	0.81
Chair	<i>John Preston</i>	<i>Ioannis Kaparias</i>	<i>Páraic Carroll</i>	<i>Craig Morton</i>	<i>Eric Njoya</i>
	Exploring associations between app-based ride-hailing use and car ownership aspirations (Acheampong, The University of Manchester)	Determinants of Intention to Use Driverless Automated Buses in Scotland (Fonzzone, Edinburgh Napier University)	Towards the public transport city. An exploration of transport mode choice for residents living in Underground station areas in Beijing and London (Cao, University of Westminster)	An overview of the problem of scheduling extra train paths: practical applications, related approaches and future direction (Pan, University of Leeds)	What makes us fly more? A longitudinal analysis of change in personal air travel behaviour in England 2012-2018 (Mattioli, TU Dortmund University)
	Future mobility trials and travel behaviour change: insights from the "Choose your Way Warwick" case study (Papafoti, Transport for West Midlands)	Assessing The Role of Autonomous Vehicles in Urban Areas (Makahleh, University of Birmingham)	How does Transport Related Infection and Travel between regions via Public Transport affect disease dynamics? (Pyper, University of Leeds, Institute for Transport Studies)	All aboard! Leveraging interactive value creation in rail services to increase passenger satisfaction. (Davies, Cardiff University)	The impact of air transport liberalization on market competition: an application to airline capacity and airfare under the ASEAN Single Aviation Market (Sazali, University of Leeds)
	Exploring the potential of Mobility as a service for sustainable commuting behaviour (Alyavina, University of Huddersfield Business School)	How will autonomous vehicles be used? Perspectives from citizens and organizations in 8 European countries (Ancaes, UCL)	Using path flow and schedule-based assignment to estimate time-varying demand distribution for HSR networks (Wei, Institute for Transport Studies, University of Leeds)	From Chaos to Control: A Scoping Review of Cybernetics and System Thinking as Enablers for Rail Infrastructure Resilience (Cotet, Loughborough University)	Long distance transport poverty: Criteria setting and testing (Warnock-Smith, Buckinghamshire New University)

10:30 - 11:00	COFFEE & TEA BREAK Committee Rooms 1 & 2				
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11:00 - 12:30	SER SATISFACTION & PREFERENCE	FUTURE MOBILITY	EQUITY	E-SCOOTERS	AIR TRANSPORT
Room	-1.64	-1.61	-1.80	0.86	0.81
Chair	<i>Andrew Timmis</i>	<i>Ioannis Chatziioannou</i>	<i>Kate Pangbourne</i>	<i>Stephen Greaves</i>	<i>David Warnock-Smith</i>
	Analysing car users' satisfaction and loyalty in Central Europe (Bruzzone, Università IUAV di Venezia)	Modelling commuters' multimodal trip decision in large urban agglomeration: evidence from the Greater Jakarta (Bastarianto, Choice Modelling Centre, Institute for Transport Studies, University of Leeds)	Improving Mobility in Marginalised Communities (Musselwhite, Aberystwyth University)	Associations between the deployment of shared e-scooters and walking experiences (Bozovic, University of the West of England)	Urban Air Mobility: Developing a Critical Understanding of a Future Transport Game-Changer (Nikitas, University of Huddersfield)
	Exploring the complexity of education-related travel in England (Crawford, University of Glasgow)	Understanding the concept of Mobility Hubs (Sadik, University of Huddersfield)	Social exclusion in car dependent societies (Sherriff, University of Salford)	Interactions of e-scooters with other street users: findings from an observational study (Flower, University of the West of England, Bristol)	Business aviation chartering and air transport connectivity: the United States' experience (Pantelaki, Centre for Transport and Society, University of the West of England, Bristol)
	Public preferences for walking and cycling infrastructure improvements: A Best-Worst Scaling approach (Albahlal, Cardiff University)	Behind the headlines: the Welsh Road Review Panel's future road planning and design recommendations (Parkin, University of the West of England)	Gender mainstream impact in transportation planning (Torrao, Aston University)	#N/A	"I owe a duty?! I careless!" - Understanding airline passengers' intention and participation towards voluntary carbon offsetting program-An integrated theoretical perspective (Tchouamou Njoya, Huddersfield Business School)

12:30 - 13:30	LUNCH Committee Rooms 1 & 2
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13:30 - 14:20	PLENARY PRESENTATION To share or not to share space? A very British tale (Dr Ioannis Kaparias, University of Southampton)
Room	-1.64
Chair	Achille Fonzone

14:30 - 16:00	ITS	ELECTRIC VEHICLES	VIRTUAL ENVIRONMENTS	TRANSPORT POLICY	WORKSHOP: GOV. POLICY
Room	-1.64	-1.61	-1.80	0.86	0.81
Chair	<i>Kalliopi Michalakopoulou</i>	<i>Eddie Wilson</i>	<i>Jonathan Flower</i>	<i>William Brazil</i>	<i>C. Morton, J. Kandt, C. Bartle</i>
	Detection of Pedestrian and Cyclists from Automated Vehicles using Image Analysis (Alshkeili, Trinity College Dublin)	Exploring factors affecting the EV adoption rates - a case study in England (Khader, University of Bristol)	Multi-modal feedback for take-over request in highly automated vehicles (Kaestle, University College London)**Smeed Prize	The role of carpooling in improving transportation resilience during a crisis (Dadashzadeh, University of Portsmouth)	Transport research and government policy – using research evidence in DfT and Welsh Government
	Blockchain Technology Utilization for Intelligent Transportation Systems Data Reports: A Case Study for Samsun City (Aydin, Ondokuz Mayıs University)	Car preference changes by fuel type and vintage: the immediate past, the present and the future. A study for the UK. (Alongu, University of Leeds)	A comparative analysis of synthetic GPS, CDR and GSM trajectory to investigate the accuracy of mobility data (Zannat, Institute for Transport Studies, University of Leeds)**Smeed Prize	Enhancing children's transport social inclusion by improving safety at the kerbside. (Abu Albandura, University College London)	ESRC Policy Fellowships at DfT <ul style="list-style-type: none"> • Behavioural Science (Bartle, UWE Bristol) • Appraisal and Evaluation (Kandt, UCL) • Decarbonisation (Morton, Loughborough University)
	Monitoring the impacts of GLOSA, Green Light Optimal Speed Advisory on driver behaviour using an instrumented vehicle (Aljabri, Newcastle University)	Electric Vehicle Retrofit for Transport Decarbonisation within Agriculture - Case Study of a Land Rover Defender (Dattero Snell, Cardiff University)	Instrumented bicycle to measure lateral distance and interaction with other vehicles (Latham, University of Salford)	From stories to statistics: why 16-24-year-olds need more recognition from research and policy (Collings, University of the West of England)	Panel discussion: how can research and policy better engage with one another? <ul style="list-style-type: none"> • Peter McDonald, Welsh Government • Julie Hunt, Jacobs • John Parkin, UWE Bristol

16:00 - 16:30	GROUP PHOTO IN FRONT OF THE GLAMORGAN BUILDING COFFEE & TEA BREAK Committee Rooms 1 & 2
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16:30 - 18:15	UTSG ANNUAL BUSINESS MEETING	PGR STUDENT WORKSHOP:
Room	Council Chamber	Writing Papers for an Interdisciplinary Audience (Prof. Carol Featherstone, Cardiff)
		-1.64

18:45 - 21:45	RECEPTION & CONFERENCE DINNER Cornerstone Cardiff Charles St, Cardiff CF10 2SF
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Wednesday 12 July 2023

09:00 - 10:30	CLIMATE CHANGE	ATTITUDES	TRANSPORT FUTURES	ELECTROMOBILITY
Room	-1.64	-1.61	0.81	0.86
Chair	<i>Metin Aydin</i>	<i>Laurent Franckx</i>	<i>Simon Blainey</i>	<i>Caroline Bartle</i>
	Using ANPR data and emissions factor models to understand the effects of Clean Air Zones (Philips, Institute for Transport Studies, University of Leeds)	The application of Motorcycle Rider Behaviour Questionnaire to investigate crash involvement and traffic offenses among senior high school student in Indonesia (Sagala, University of Leeds)**Smeed Prize	A Systematic Literature Review and Future Perspectives of System Dynamics Application in Warehousing and Transportation Logistics (Karim, Institute for Transport Studies, University of Leeds)	Electric vehicles charging infrastructure location: Using individuals' travel history (Penafiel-Mera, Cardiff University)
	Carbon Footprinting of Transport Linear Infrastructure: A Standardised and Consistent Data Collection Method (Najafpour Navaei, University of Southampton)	Structural equation modelling to test and evaluate multivariate causal relationships between variables affecting public attitudes to LRT (Ayan, Newcastle University)	Assessing the impact of transport automation and digitalisation on the transport workforce (Thomopoulos, University of Surrey)	Alternatively Fuelled Connected and Autonomous Vehicles: A State-of-the-Art Study (Zhang, University of Huddersfield)
	Novel Analytical Approach to Evaluate the Impact on Air Quality Alongside Motorways due to Speed Restrictions (Chakravartty, Newcastle University)**Smeed Prize	Investigating the role of taste variation in the perceptions of railway passengers in Great Britain (Monsoor, UCL)	On-Demand Transit for Urban Logistic: Modelling a Novel Transportation System for Integrated Transporting People and Goods (Cheng, DTU)	Policy processes and the expectation of the electric mobility transition (Budnitz, Transport Studies Unit, University of Oxford)

10:30 - 11:00	COFFEE & TEA Committee Rooms 1 & 2
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11:00 - 12:00	INFRASTRUCTURE	OPTIMISATION & THEORY	EQUITY & GOVERNANCE	DRIVING CYCLES
Room	-1.64	-1.61	0.81	0.86
Chair	<i>Lamprini Papafoti</i>	<i>Nikolas Thomopoulos</i>	<i>Hannah Budniz</i>	<i>Zakiyya Adam</i>
	Optimising street design to complement regulation: evidence and recommendations for side road priority junctions (Parkin, University of the West of England, Bristol)	A Demand Response Model to Line Planning Optimisation (Lestari, Institute for Transport Studies (ITS) - University of Leeds)	Parents' experiences of children with DCD and/or ADHD at the roadside (Falemban, Cardiff University)	Validity of GPS Data in Driving Cycles: A Case Study of Dublin (Smith, II, Trinity College Dublin)
	Sufficiency as a dual-domain strategy to support sustainable futures: A synthesis of interrelated transport and domestic energy evidence (Vitel, University of Leeds)	Mixture Theory for Multi-class Highway Traffic (Fan, University of Bristol)	Collaborative governance for organisational coordination in implementing Mass Rapid Transit infrastructure in South Asia: Dhaka case study (Khuky, Institute for Transport Studies, University of Leeds)	A systematic approach to adopt a relevant methodology for developing representative drive cycles for optimisation of the powertrain module of Electric Vehicles. (Akhtar, Trinity College Dublin)

12:00 - 12:40	PLENARY 3
Room	Private E-Scooter Ownership and Usage: An Empirical Investigation (Prof. Stephen Greaves, University of Sydney)
Chair	-1.64 Alex Nikitas

12:40 - 13:10	AWARDS & CLOSING SESSION Alex Nikitas & Dimitris Potoglou -1.64
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13:10 - 14:00	PACKED LUNCH Committee Rooms 1 & 2
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14:10 - 16:00	Afternoon walk to the Cardiff Central Station & Talk [Details TBA] Led by Prof. Mark Barry (Cardiff University)
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Posters

Tuesday 11 July, 2023

Committe Rooms 1 & 2

- Total cost of ownership of cars in Belgium (Franckx, Federal Planning Bureau)
- The impact of migration background and ethnicity on car, bus and bicycle use in England (Mattioli, TU Dortmund)
- Commuter's Travel Choice Behaviour with attention to their attitudes toward the Environment, Convenience, and Safety: Case Study in Bangkok, Thailand (Meenapinunt, Newcastle)
- The Role of Motor Insurance in Realising Future Mobility (Adam, Oxford)
- The role of smart mobility in smart city development: a case study of Jeddah, Saudi Arabia (Almaghrbi, University of Aberdeen)
- Investigating the mobility gap for sandwich carers (Al Hurr, UCL)
- Active or non-active; predictors of Job Travel Mode Choice Behaviour During the COVID-19 Pandemic in Iran (Ranjbaria, Napier)
- A Comparison Study on Perceptions of Civil Engineering Students for Intelligent Transportation Systems (ITS) Courses at Turkish Universities (Aydin, Ondokuz Mayıs)
- Changing attitudes to commuting at different stages of the Covid-19 pandemic: Panel survey evidence from the West of England (Adeel, UWE Bristol)