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World Transit Research August 2022 Newsletter

Institute of Transport Studies Monash University

World Transit Research

August 2022 Newsletter

http://www.worldtransitresearch.info

Welcome to the WORLD TRANSIT RESEARCH (WTR) clearinghouse newsletter. This newsletter, which is published bi-monthly, summarises new research published in the field which has been added to the World Transit Research clearinghouse research database.

WTR is now used by public transport researchers in over 8,000 cities and towns in 170 countries worldwide.

BACKGROUND

World Transit Research (WTR) is designed to help public transport practitioners and researchers get easier access to quality research in the field of public transport planning. WTR is a free repository of research papers, reports, research abstracts and links to research findings from leading research journals indexed and searchable to ensure easier access to topics of interest. The site is developed and run by the Public Transport Research Group at the Institute of Transport Studies, Monash University. The clearinghouse performs the following functions:

- Search/Find – The database is searchable on key words and also via a list of subject areas
- Newsletter Subscription – Those accessing the website can enrol in a free email newsletter. This broadcasts new publications in the field every 2 months
- Links – links to relevant associated sites are provided
- Submit Research – Researchers can use the website to suggest items for inclusion in the database. Copyright requirements are described.

NEWSLETTER

Your recommendation can help grow our number of subscribers. Do you know someone interested in public transport research that would like to receive this newsletter? Ask them to go to http://www.worldtransitresearch.info/ and enter their email address in the box provided under Newsletter.

NEW ADDITIONS

World Transit Research clearinghouse now includes some 9,115 research reports/papers. Some 90 published papers have been added. The new ones are listed in the attached table. In addition new journals and relevant papers are also occasionally added from previous publication records.

CONTRIBUTE YOUR RESEARCH AND INCREASE YOUR CITATIONS

Should you have any relevant papers that you think should be included in this repository, please log on to www.worldtransitresearch.info and click on the Submit Research icon. The WTR Clearinghouse is a very effective tool to increase author citations of research since it acts to publicise your research to those interested in this field.

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To unsubscribe from this newsletter please email request to Monash-ITS-WTR@monash.edu.

JOURNAL SUBSCRIPTIONS

Articles on the following two pages denoted with an asterisk * are from Journals that do not require a subscription to view the full article.

SUGGESTIONS WELCOMED

If you have any queries or suggestions on how to improve our publication, we would love to hear from you at:
enquiries@worldtransitresearch.info

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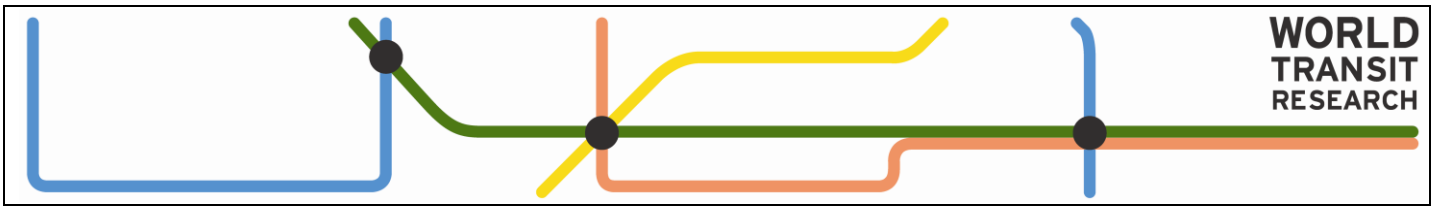
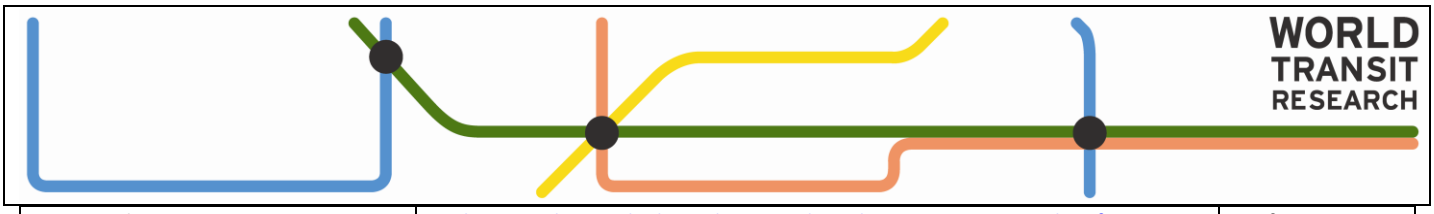


WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
C Romero, A Monzón, A Alonso, R Julio	Potential demand for bus commuting trips in metropolitan corridors through the use of real-time information tools	Planning
J Soza-Parra, S Raveau, J Muñoz	Public transport reliability across preferences, modes, and space	Planning
J Hatzenbühler, O Cats, E Jenelius	Network design for line-based autonomous bus services*	Planning
N Huan, S Hess, E Yao	Understanding the effects of travel demand management on metro commuters' behavioural loyalty: a hybrid choice modelling approach	Planning
G Erhardt, R Mucci, D Cooper, B Sana, M Chen, J Castiglione	Do transportation network companies increase or decrease transit ridership? Empirical evidence from San Francisco*	Planning
Muren, S Zhang, L Hua, B Yu	Peak-easing strategies for urban subway operations in the context of COVID-19 epidemic*	Planning
K Saltykova, X Ma, L Yao, H Kong	Environmental impact assessment of bike-sharing considering the modal shift from public transit	Planning
M Eichler	Linking Incidents to Customers (LINC): An Algorithm for Linking Incidents to Rail Customer Delays Inspired by Traffic Flow Theory	Planning
H Chan, H Ma, J Zhou	Public Transportation and Social Movements: Learning from the Hong Kong Anti-Extradition Bill Protests	Planning
M El-Agroudy, H Abou-Senna, E Radwan	Mobility-as-a-Service: Simulation of Multi-Modal Operations in Low-Density Cities	Planning
M McKnight-Slottee, C Bae, E McCormack	Site-Specific Transportation Demand Management: Case of Seattle's Transportation Management Program, 1988–2015	Planning
X Fu, W Lam, B Chen, Z Liu	Maximizing space-time accessibility in multi-modal transit networks: an activity-based approach	Planning
A Tennøy	Patronage effects of changes to local public transport services in smaller cities*	Planning
X Li, W Xu, T Wang, Y Yuan	Infrastructure enabled eco-approach for transit system: A simulation approach	Planning
X Wang, J Jin, L Sun	Real-time dispatching of operating buses during unplanned disruptions to urban rail transit system	Planning
N Zuniga-Garcia, M Tec, J Scott, R Machemehl	Evaluation of e-scooters as transit last-mile solution	Planning
L Balzer, L Leclercq	Modal equilibrium of a tradable credit scheme with a trip-based MFD and logit-based decision-making	Planning
X Liu, J Fan, Y Li, X Shao, Z Lai	Analysis of integrated uses of dockless bike sharing and ridesourcing with metros: A case study of Shanghai, China	Planning
A Gemma, L Mannini, V Busillo, E Cipriani, U Crisalli	Case studies of integration between activity-based demand models and multimodal assignment	Planning
M Valentini, V Conti, S Orchi	BEST: A software to verify the feasibility of urban bus line electrification	Planning
Y Zhang, W Xue, W Wei, H Nazif	A public transport network design using a hidden Markov model and an optimization algorithm	Planning
A Kampouri, I Politis, G Georgiadis	A system-optimum approach for bus lanes dynamically activated by road traffic	Planning
M Altieri, E Raskova, Á Costa	Differences in railway strategies: The empirical case of private, public-owned, and third-sector railways in Tokyo	Planning
J Pineda-Jaramillo, D Pineda-Jaramillo	Analysing travel satisfaction of tourists towards a metro system from unstructured data	Planning
P Pérez-Martínez, J Dunck, J de Assunção, P Connerton, A Slovic, H Ribeiro, R Miranda	Long-term commuting times and air quality relationship to COVID-19 in São Paulo*	Planning
A Padmakumar, G Patil	COVID-19 effects on urban driving, walking, and transit usage trends: Evidence from Indian metropolitan cities*	Planning
S Razak	Last mile commute: An integral sustainability component for passengers accessibility within city's transport fabric	Planning
X Chen, T Pei, C Song, H Shu, S Guo, X Wang, Y Liu, J Chen, C Zhou	Accessing public transportation service coverage by walking accessibility to public transportation under flow buffering	Planning
S Kraft, M Halás, P Klapka, V Blažek	Functional regions as a platform to define integrated transport system zones: The use of population flows data	Planning
R Huang, H He, X Zhao, Y Wang, M Li	Battery health-aware and naturalistic data-driven energy management for hybrid electric bus based on TD3 deep reinforcement learning algorithm	Planning

F Sun, M Jin, T Zhang, W Huang	Satisfaction differences in bus traveling among low-income individuals before and after COVID-19*	Planning
R Rong, L Liu, N Jia, S Ma	Impact analysis of actual traveling performance on bus passenger's perception and satisfaction	Planning
P Bansal, R Kessels, R Krueger, D Graham	Preferences for using the London Underground during the COVID-19 pandemic*	Planning
Y Wang, Q Shen, L Ashour, A Dannenberg	Ensuring equitable transportation for the disadvantaged: Paratransit usage by persons with disabilities during the COVID-19 pandemic*	Planning
C Zhou, Q Tian, D Wang	A novel control strategy in mitigating bus bunching: Utilizing real-time information	Planning
O Linovski, K Manaugh, D Baker	The route not taken: Equity and transparency in unfunded transit proposals	Planning
W Chen, X Chen, J Chen, L Cheng	What factors influence ridership of station-based bike sharing and free-floating bike sharing at rail transit stations?	Ridership
Y Guo, S Peeta, S Agrawal, I Benedyk	Impacts of Pokémon GO on route and mode choice decisions: exploring the potential for integrating augmented reality, gamification, and social components in mobile apps to influence travel decisions*	Ridership
C Balbontin, D Hensher, M Beck	Advanced modelling of commuter choice model and work from home during COVID-19 restrictions in Australia*	Ridership
J Osorio, Y Liu, Y Ouyang	Executive orders or public fear: What caused transit ridership to drop in Chicago during COVID-19?*	Ridership
Q He, D Rowangould, A Karner, M Palm, S LaRue	Covid-19 pandemic impacts on essential transit riders: Findings from a U.S. Survey*	Ridership
Y Wang, A Moudon, Q Shen	How Does Ride-Hailing Influence Individual Mode Choice? An Examination Using Longitudinal Trip Data from the Seattle Region	Ridership
Y Zhao, Z Ma, X Jiang, H Koutsopoulos	Short-Term Metro Ridership Prediction During Unplanned Events	Ridership
T Su, M Renda, J Zhao	Examining the Discrepancies between Self-Reported and Actual Commuting Behavior at the Individual Level	Ridership
B Altay, A Okumuş	User adoption of integrated mobility technologies: The case of multimodal trip-planning apps in Turkey	Ridership
R Fernández Pozo, M Wilby, J Vinagre Díaz, A Rodríguez González	Data-driven analysis of the impact of COVID-19 on Madrid's public transport during each phase of the pandemic*	Ridership
J Guo, Y Susilo, C Antoniou, A Pernestål	Word of mouth and behavioural intentions of the automated bus service	Ridership
S Blume, F Corman, G Sansavini	Bayesian origin-destination estimation in networked transit systems using nodal in- and outflow counts*	Ridership
G Erhardt, J Hoque, V Goyal, S Berrebi, C Brakewood, K Watkins	Why has public transit ridership declined in the United States?*	Ridership
R Rafiq, M McNally	A structural analysis of the work tour behavior of transit commuters	Ridership
A de Palma, S Vosough, F Liao	An overview of effects of COVID-19 on mobility and lifestyle: 18 months since the outbreak*	Ridership
S Shelat, O Cats, S van Cranenburgh	Traveller behaviour in public transport in the early stages of the COVID-19 pandemic in the Netherlands*	Ridership
S Kaplan, A Tchetchik, D Greenberg, I Sapir	Transit use reduction following COVID-19: The effect of threat appraisal, proactive coping and institutional trust*	Ridership
D Ton, K Arendsen, M de Bruyn, V Severens, M van Hagen, N van Oort, D Duives	Teleworking during COVID-19 in the Netherlands: Understanding behaviour, attitudes, and future intentions of train travellers*	Ridership
Z Zeng, S Wang, X Qu	On the role of battery degradation in en-route charge scheduling for an electric bus system	Infrastructure
M Tessler, E Traut	Hurricane resiliency methods for the New York City electric bus fleet	Infrastructure
J Chen, J Liu, Q Peng, Y Yin	Strategies to Enhance the Resilience of an Urban Rail Transit Network	Infrastructure
N Dirks, M Schiffer, G Walther	On the integration of battery electric buses into urban bus networks	Infrastructure
Y Wu, Y Shan, S Zhou, Y Lai, J Xiao	Estimating anthropogenic heat from an urban rail transit station: A Case study of Qingsheng metro station, Guangzhou, China	Infrastructure
Y Zhang, X Xie, H Li, B Zhou, Q Wang, I Shahrour	Subway tunnel damage detection based on in-service train dynamic response, variational mode decomposition, convolutional neural networks and long short-term memory	Infrastructure



L Han, J Chen, H Li, G Liu, B Leng, A Ahmed, Z Zhang	Multispectral water leakage detection based on a one-stage anchor-free modality fusion network for metro tunnels	Infrastructure
A Russo, M Adler, J van Ommeren	Dedicated bus lanes, bus speed and traffic congestion in Rome	Infrastructure
S Huang, Y Chen, C Zou, S Jian	Train-induced environmental vibrations by considering different building foundations along curved track	Infrastructure
N Tortainchai, H Wong, D Winslett, T Fujiyama	Train Dwell Time Efficiency Evaluation with Data Envelopment Analysis: Case Study of London Underground Victoria Line*	Operations
M Wu, C Yu, W Ma, K An, Z Zhong	Joint optimization of timetabling, vehicle scheduling, and ride-matching in a flexible multi-type shuttle bus system	Operations
D Grechi, M Ceron	Covid-19 lightening the load factor in railway transport: Performance analysis in the north-west area of Milan	Operations
C Ying, A Chow, H Nguyen, K Chin	Multi-agent deep reinforcement learning for adaptive coordinated metro service operations with flexible train composition	Operations
H Yang, Y Nie	Optimizing operational strategies for mass transit systems in response to a global pandemic	Operations
P Basnak, R Giesen, J Muñoz	Estimation of crowding factors for public transport during the COVID-19 pandemic in Santiago, Chile*	Operations
F Ashik, M Rahman, M Kamruzzaman	Investigating the impacts of transit-oriented development on transport-related CO2 emissions	Land use
G Sandoval	Planning the Barrio: Ethnic Identity and Struggles over Transit-oriented, Development-Induced Gentrification	Land use
W Zhang, F Wang, C Barchers, Y Lee	The Impact of Transit-oriented Development on Housing Value Resilience: Evidence from the City of Atlanta	Land use
W Gong, V Li	The territorial impact of high-speed rail on urban land development	Land use
G Currie	**Handbook of Public Transport Research**	**Land use**
R Meenan, L Frank, B Saelens, D Young, J Kuntz, J Dickerson, B Wali, E Keast, S Fortmann	Effects of an urban light rail line on health care utilization and cost: A pre-post assessment	Land use
F Zhou, C Li, Z Huang, R Xu, W Fan	Fare incentive strategies for managing peak-hour congestion in urban rail transit networks	Policy
M Aldenius, P Tsaxiri, H Lidestam	The role of environmental requirements in Swedish public procurement of bus transports*	Policy
M Giannotti, D Tomasiello, T Bittencourt	The bias in estimating accessibility inequalities using gravity-based metrics*	Policy
D Da Silva, W Klumpenhouwer, A Karner, M Robinson, R Liu, A Shalaby	Living on a fare: Modeling and quantifying the effects of fare budgets on transit access and equity	Policy
H Huang, R Zhang, C Xie, X Li	Identifying Subway Passenger Flow under Large-Scale Events Using Symbolic Aggregate Approximation Algorithm	Technology
P Zhang, Z Ma, X Weng, H Koutsopoulos	Recovering the Association Between Unlinked Fare Machines and Stations Using Automated Fare Collection Data in Metro Systems	Technology
Z Cvijovic, M Zlatkovic, A Stevanovic, Y Song	Conditional Transit Signal Priority for Connected Transit Vehicles	Technology
L Wang, Y Dong, Y Wang, P Wang	Non-Symmetric Spatial-Temporal Network for Bus Origin–Destination Demand Prediction	Technology
D Hörcher, R Singh, D Graham	Social distancing in public transport: mobilising new technologies for demand management under the Covid-19 crisis*	Literature review
M Wardman, R Batley	The demand impacts of train punctuality in great britain: systematic review, meta-analysis and some new econometric insights*	Literature review
C Sundling, V Ceccato	The impact of rail-based stations on passengers' safety perceptions. A systematic review of international evidence*	Literature review
M Xie, M Winsor, T Ma, A Rau, F Busch, C Antoniou	Parameter Sensitivity Analysis of a Cooperative Dynamic Bus Lane System With Connected Vehicles	Organisation
F Laroche, A Lamatkhanova	Effects of open access competition on prices and frequencies on the interurban railway market: Evidence from Europe	Organisation
A Schmidt, E Bardaka, J Thill	Causal, spatiotemporal impacts of transit investments: Exploring spatial heterogeneity from announcement through long-run operation	Economics
Z Xu, J Xie, X Liu, Y Nie	Quantifying the competitiveness of transit relative to taxi with multifaceted data	Mode

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