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The Australian Research Council Key Centre in Transport Management

Institute of Transport Studies, Monash University
World Transit Research

World Transit Research Newsletter

6-2021

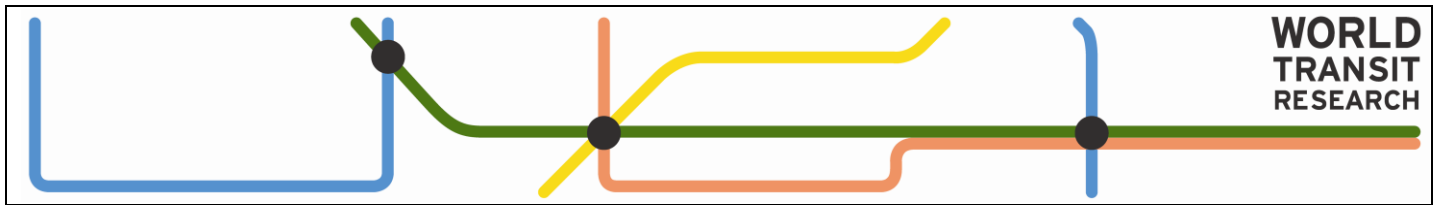
World Transit Research June 2021 Newsletter

Institute of Transport Studies Monash University

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World Transit Research

June 2021 Newsletter

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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.

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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 8,438 research reports/papers. Some 95 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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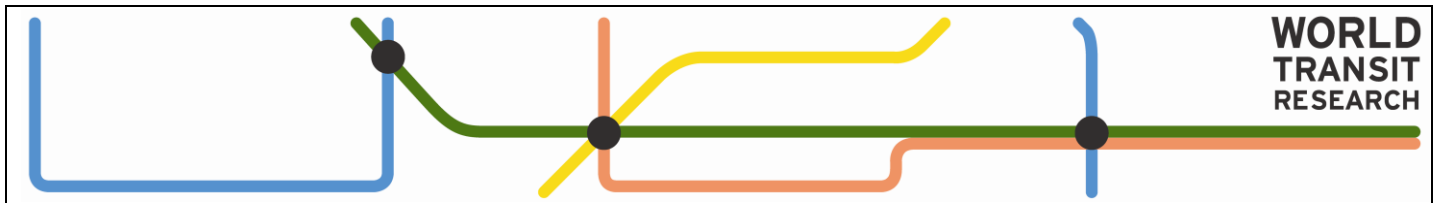
If you have any queries or suggestions on how to improve our publication, we would love to hear from you at: enquiries@worldtransitresearch.info

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WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
A Rudke, J Martins, A dos Santos, W Silva, N Caldana, V Souza, R Alves, T de Almeida Albuquerque,	Spatial and socio-economic analysis of public transport systems in large cities: A case study for Belo Horizonte, Brazil	Planning
H Chan, A Chen, G Li, X Xu, W Lam	Evaluating the value of new metro lines using route diversity measures: The case of Hong Kong's Mass Transit Railway system	Planning
Y Lu, C Prato, J Corcoran	Disentangling the behavioural side of the first and last mile problem: the role of modality style and the built environment	Planning
C Zegras, J Leape, J Carrasco, C Navas, C Venter, E Vergel-Tovar	Scaling Up Innovative Participatory Design for Public Transportation Planning: Lessons from Experiments in the Global South	Planning
G Gnecco, Y Hadas, M Sanguineti	Public transport transfers assessment via transferable utility games and Shapley value approximation	Planning
K Gkiotsalitis	Stop-skipping in rolling horizons	Planning
I Lawrie	Transport equity considerations of a 'Trackless Tram-Entrepreneur Rail Model'	Planning
P Zhang, H Sun, Y Qu, H Yin, J Jin, J Wu	Model and algorithm of coordinated flow controlling with station-based constraints in a metro system	Planning
J Ke, Z Zhu, H Yang, Q He	Equilibrium analyses and operational designs of a coupled market with substitutive and complementary ride-sourcing services to public transits	Planning
J Reul, T Grube, D Stolten	Urban transportation at an inflection point: An analysis of potential influencing factors	Planning
G Polinder, M Schmidt, D Huisman	Timetabling for strategic passenger railway planning	Planning
S Wei, W Zheng, L Wang	Understanding the configuration of bus networks in urban China from the perspective of network types and administrative division effect	Planning
Y Zhang, X Li	Numerical analysis on the condenser inlet air temperature of train-mounted air conditioner when a train stops in subway station tunnel	Planning
E Zolnik	Geographically weighted regression models of residential property transactions: Walkability and value uplift	Planning
W Li, S Chen, J Dong, J Wu	Exploring the spatial variations of transfer distances between dockless bike-sharing systems and metros	Planning
K Schimohr, J Scheiner	Spatial and temporal analysis of bike-sharing use in Cologne taking into account a public transit disruption	Planning
M Azad, D Abdelqader, L Taboada, C Cherry	Walk-to-transit demand estimation methods applied at the parcel level to improve pedestrian infrastructure investment	Planning
R Knowles	The mismatch between strategic planning and sustainable transport: The case of Greater Manchester's Spatial Framework 2019	Planning
X Wang, Y Jiao, J Huo, R Li, C Zhou, H Pan, C Chai	Analysis of safety climate and individual factors affecting bus drivers' crash involvement using a two-level logit model	Planning
J Choi, J Maisel, B Perez, D Nguyen, V Paquet	User Experiences with Two New Wheelchair Securement Systems in Large Accessible Transit Vehicles	Planning
Y Huang, K Kockelman, V Garikapati, L Zhu, S Young	Use of Shared Automated Vehicles for First-Mile Last-Mile Service: Micro-Simulation of Rail-Transit Connections in Austin, Texas	Planning
M Duncan, K Gladwin, B Wood, Y Valdez Torres, M Horner	Transit-oriented development for older adults: A survey of current practices among transit agencies and local governments in the US*	Planning
G Lefebvre-Ropars, C Morency, P Negron-Poblete	A needs-gap analysis of street space allocation*	Planning
A Papanikolaou, S Basbas	Analytical models for comparing Demand Responsive Transport with bus services in low demand interurban areas	Planning
J Yap, C Chua, M Skitmore	Towards Sustainable Mobility with Transit-Oriented Development (TOD): Understanding Greater Kuala Lumpur	Planning
R Grahn, S Qian, H Matthews, C Hendrickson	Are travelers substituting between transportation network companies (TNC) and public buses? A case study in Pittsburgh	Planning
M Hassan, T Rashidi, N Nassir	Consideration of different travel strategies and choice set sizes in transit path choice modelling	Planning
T Dantsuji, D Fukuda, N Zheng	Simulation-based joint optimization framework for congestion mitigation in multimodal urban network: a macroscopic approach	Planning
Y Shen, G Ren, B Ran	Cascading failure analysis and robustness optimization of metro networks based on coupled map lattices: a case study of Nanjing, China	Planning
O Hjelkrem, K Lervåg, S Babri, C Lu, C Södersten	A battery electric bus energy consumption model for strategic purposes: Validation of a proposed model structure with data from bus fleets in China and Norway	Planning
A Halawani, F Rehim	Evaluation of the intention to shift to public transit in Saudi Arabia	Planning

A Sukhov, K Lättman, L Olsson, M Friman, S Fujii	Assessing travel satisfaction in public transport: A configurational approach	Planning
C Weckström, M Mladenović, R Kujala, J Saramäki	Navigability assessment of large-scale redesigns in nine public transport networks: Open timetable data approach	Planning
K Liu, J Zhu, M Wang	An event-based probabilistic model of disruption risk to urban metro networks	Planning
D Deka, J Carnegie	Predicting transit mode choice of New Jersey workers commuting to New York City from a stated preference survey	Ridership
H Chang, B Lee, F Yang, Y Liou	Does COVID-19 affect metro use in Taipei?	Ridership
B Malik, Z Rehman, A Khan, W Akram	Investigating users' travel behaviours and perceptions of single-corridor BRT: Lessons from Lahore	Ridership
Z Li, S Lo, S Liu, Jian Ma, D Huang	Modeling metro passengers being eager to get aboard during the alighting and boarding process	Ridership
A Drabicki, R Kucharski, O Cats, A Szarata	Modelling the effects of real-time crowding information in urban public transport systems	Ridership
C Eisenmann, C Nobis, V Kolarova, B Lenz, C Winkler	Transport mode use during the COVID-19 lockdown period in Germany: The car became more important, public transport lost ground	Ridership
J Wang, T Yamamoto, K Liu	Spatial dependence and spillover effects in customized bus demand: Empirical evidence using spatial dynamic panel models	Ridership
O Egu, P Bonnel	Medium-term public transit route ridership forecasting: What, how and why? A case study in Lyon	Ridership
N Ngo, T Götschi, B Clark	The effects of ride-hailing services on bus ridership in a medium-sized urban area using micro-level data: Evidence from the Lane Transit District	Ridership
J Guo, Y Susilo, C Antoniou, A Pernestål	When and why do people choose automated buses over conventional buses? Results of a context-dependent stated choice experiment	Ridership
X Liu, J Wu, J Huang, J Zhang, B Chen, A Chen	Spatial-interaction network analysis of built environmental influence on daily public transport demand	Ridership
D Royal, S Roseman	Co-passenger and the gendering of a mobile ferry space	Ridership
T Chen, H Pan, Y Ge	Car ownership and commuting mode of the "original" residents in a high-density city center: A case study in Shanghai*	Ridership
F Schneider, D Ton, L Zomer, W Daamen, D Duives, S Hoogendoorn-Lanser, S Hoogendoorn	Trip chain complexity: a comparison among latent classes of daily mobility patterns	Ridership
B Sun, J Lin, C Yin	How does commute duration affect subjective well-being? A case study of Chinese cities	Ridership
C Lawson, A Muro, E Krans	Forecasting bus ridership using a "Blended Approach"	Ridership
D Fang, Y Xue, J Cao, S Sun	Exploring satisfaction of choice and captive bus riders: An impact asymmetry analysis	Ridership
R Abe	Preferences of urban rail users for first- and last-mile autonomous vehicles: Price and service elasticities of demand in a multimodal environment	Ridership
L AitBihiOuali, D Graham	The impact of the MeToo scandal on women's perceptions of security	Ridership
O Nielsen, M Eltvéd, M Anderson, C Prato	Relevance of detailed transfer attributes in large-scale multimodal route choice models for metropolitan public transport passengers	Ridership
J Soza-Parra, S Raveau, J Muñoz	Travel preferences of public transport users under uneven headways	Ridership
M Yap, O Cats	Taking the path less travelled: Valuation of denied boarding in crowded public transport systems	Ridership
S Lepage, C Morency	Impact of Weather, Activities, and Service Disruptions on Transportation Demand	Ridership
L Shen, Z Shao, Y Yu, X Chen	Hybrid Approach Combining Modified Gravity Model and Deep Learning for Short-Term Forecasting of Metro Transit Passenger Flows	Ridership
L Ke, K Furuya, S Luo	Case comparison of typical transit-oriented-development stations in Tokyo district in the context of sustainability: Spatial visualization analysis based on FAHP and GIS	Land use
C Gruyter, S Zahraee, N Shiwakoti	Site characteristics associated with multi-modal trip generation rates at residential developments	Land use
A Ibraeva, B Van Wee, G Correia, A Pais Antunes	Longitudinal macro-analysis of car-use changes resulting from a TOD-type project: The case of Metro do Porto (Portugal)	Land use
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Y Yazdanifard, H Joshaghani, M Talebian	Metro station inauguration, housing prices, and transportation accessibility: Tehran case study*	Land use



H Bohman, D Nilsson	Borrowed sizes: A hedonic price approach to the value of network structure in public transport systems*	Land use
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M Liang, H Zhang, R Ma, W Wang, C Dong	Cooperatively coevolutionary optimization design of limited-stop services and operating frequencies for transit networks	Operations
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H Shin, D Kim, S Kho, S Cho	Valuation of Metro Crowding Considering Heterogeneity of Route Choice Behaviors	Operations
G Laskaris, O Cats, E Jenelius, M Rinaldi, F Viti	A holding control strategy for diverging bus lines	Operations
M Dixit, S Chowdhury, O Cats, T Brands, N van Oort, S Hoogendoorn	Examining circuitry of urban transit networks from an equity perspective	Policy
D Carter	Our Work Is Never Done: Examining Equity Impacts in Public Transportation	Policy
J Dai, Z Liu, R Li	Improving the subway attraction for the post-COVID-19 era: The role of fare-free public transport policy	Policy
M Hasselwander, T Tamagusko, J Bigotte, A Ferreira, A Mejia, E Ferranti	Building back better: The COVID-19 pandemic and transport policy implications for a developing megacity	Policy
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Y Kholodov, E Jenelius, O Cats, N van Oort, N Mouter, M Cebebauer, A Vermeulen	Public transport fare elasticities from smartcard data: Evidence from a natural experiment	Technology
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B Dai, J Hudson, B Ettelman, E Park	Influence of Lane Width on Bus Crashes	Literature review
M Ensor, O Maxwell, O Bruce	Mode shift to micromobility*	Literature review
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R Guo, W Szeto	Profit optimization of public transit operators: examining both interior and boundary solutions	Economics
P Xuto, R Anderson, D Graham, D Hörcher	Optimal infrastructure reinvestment in urban rail systems: A dynamic supply optimisation approach	Economics
X Fageda	Do light rail systems reduce traffic externalities? Empirical evidence from mid-size european cities	Mode
X Dong, M Ryerson	Taxi Drops Off as Transit Grows amid Ride-Hailing's Impact on Airport Access in New York	Mode
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