Institute of Transport Studies, Monash University

World Transit Research

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World Transit Research October 2024 Newsletter

Institute of Transport Studies Monash University

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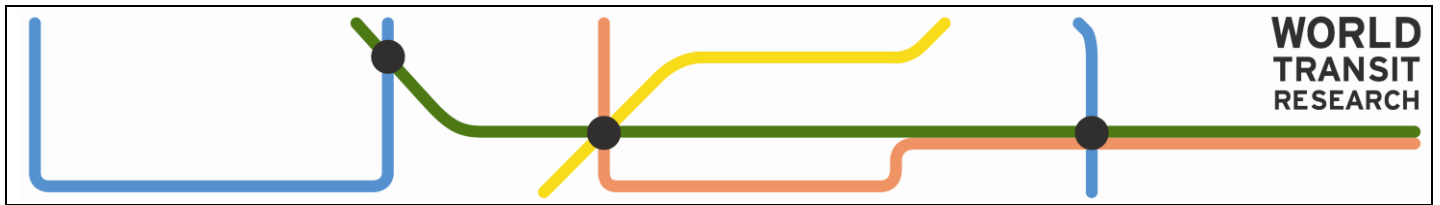
October 2024 Newsletter

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 10,397 research reports/papers. Some 106 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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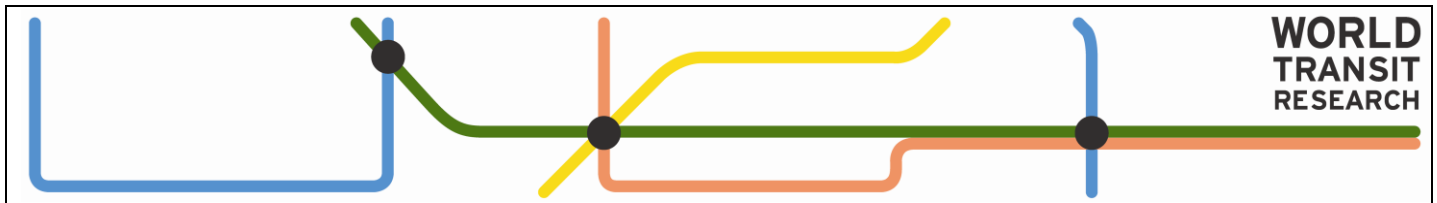
SUGGESTIONS WELCOMED

If you have any queries or suggestions on how to improve our publication, we would love to hear from you at:
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AUTHOR	TITLE	CATEGORY
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S Moslem, J Ortega, J Ortega, M Padilla, D Ouelhadj, D Esztergár-Kiss	Optimizing park and ride location selection using the novel parsimonious full consistency method: Insights from Cuenca, Ecuador*	Planning
Z Li, J Tang, T Feng, B Liu, J Cao, T Yu, Y Ji	Investigating urban mobility through multi-source public transportation data: A multiplex network perspective	Planning
H Järnefelt, J Anttilainen, K Karhula, C Hublin, I Pehkonen, M Sallinen	Factors facilitating and hindering the implementation of digital sleep coaching for bus drivers*	Planning
N Liddell, P Salmon, A Naweed, G Read	Perceived impacts of stressful events on train driver performance*	Planning
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S Pan, S Ling, N Jia, Y Liu, Z He	On the dynamic vulnerability of an urban rail transit system and the impact of human mobility	Planning
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A Ermagun, F Witlox	Transit access effectiveness in American metropolitan areas	Planning
H Rayaprolu, D Levinson	Co-evolution of public transport access and ridership*	Planning
G Freiberg, M Giannotti, T Bittencourt	Are mass transit projects and public transport planning overlooking uneven distributional effects? Empirical evidence from Sao Paulo, Brazil	Planning
S Sun, L Guo, S Yang, J Cao	Exploring the contributions of Ebike ownership, transit access, and the built environment to car ownership in a developing city	Planning
R Javanmard, J Lee, K Kim, J Park, E Diab	Evaluating the impacts of supply-demand dynamics and distance decay effects on public transit project assessment: A study of healthcare accessibility and inequalities	Planning
B Wali, L Frank, B Saelens, D Young, R Meenan, J Dickerson, E Keast, S Fortmann	Associations of walkability, regional and transit accessibility around home and workplace with active and sedentary travel	Planning
H Zhang, B Zhan, M Ouyang	Enhancing accessibility through rail transit in congested urban areas: A cross-regional analysis	Planning
A Nichols, J Ryan, C Palmqvist	The importance of recurring public transport delays for accessibility and mode choice*	Planning
J Ahmed, A Robinson, E Miller	Effectiveness of signs for pedestrian-railroad crossings: Colors, shapes, and messaging strategies	Planning
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Y Gu, Q Ai, Z Xu, L Yao, H Wang, X Huang, Y Yuan	Cost-effective image recognition of water leakage in metro tunnels using self-supervised learning	Planning
J Krombach, J Gonzalez, R Wittwer, S Hubrich, F Baumgart, R Gerike	How do German cities translate global sustainability visions into local mobility planning? A quantitative analysis of planners' perspectives and priorities*	Planning
Y Wang, A Rigolon, K Park	Transit to parks initiatives in the U.S. and Canada: Practitioners' perspectives*	Planning
M Cheranchery, F Ansari, M Ali	Is customized bus service for commuter segments the need of the hour? An integrated IPA-machine learning framework to redefine commuter segments based on quality expectations	Planning
W Hong, G Clifton, J Nelson	A data-driven conceptual framework for understanding the nature of hazards in railway accidents*	Planning
X Tian, C Lu, Z Song, C An, S Wan, H Peng, Q Feng, Z Chen	Quantifying weather-induced unreliable public transportation service in cold regions under future climate model scenarios*	Planning
K Credit, C O'Driscoll	Assessing modal tradeoffs and associated built environment characteristics using a cost-distance framework*	Planning

X Qian, R Xiao, R Joby, M Jaller	Optimizing bikeshare service to connect affordable housing units with transit service	Planning
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E Ruiz, W Yushimito, L Aburto, R de la Cruz	Predicting passenger satisfaction in public transportation using machine learning models	Planning
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M Queiroz, C Roque, F Moura, J Marôco	Understanding the expectations of parents regarding their children's school commuting by public transport using latent Dirichlet Allocation*	Planning
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F Borghetti, M Carra, C Besson, E Matarrese, R Maja, B Barabino	Evaluating alternative fuels for a bus fleet: An Italian case*	Planning
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L Guzman, V Cantillo-Garcia	Exploring the effects of public transport subsidies on satisfaction and ridership	Ridership
R Tripathi	Impact of Restricted Public Transport Since COVID-19 on Women in Rural India: A Qualitative Study	Ridership
X Li, M Du, Y Shen, J Yang	The intention of continual use of dockless bike sharing connecting with metro: A perspective based on loyal users	Ridership
L Cheng, X Cai, Z liu, Z Huang, W Chen, F Witlox	Characterising travel behaviour patterns of transport hub station area users using mobile phone data	Ridership
L Ashour, Q Shen, A Moudon, M Cai, Y Wang, M Brown	Post-pandemic transit commute: Lessons from focus group discussions on the experience of essential workers during COVID-19	Ridership
F Gao, C Han, L Yang, J Liang, X He, F Li	Analyzing spatiotemporal distribution patterns of metro ridership: Comparison between common-class and business-class carriage service	Ridership
H Negm, A El-Geneidy	Exploring the changes in the interrelation between public transit mode share and accessibility across income groups in major Canadian cities in the post-pandemic era*	Ridership
M Karatsoli, E Nathanail, S Basbas, O Cats	Crowdedness information and travel decisions of pedestrians and public transport users in the COVID-19 era: A stated preference analysis	Ridership
Z Li, J Tang, W Zhang, Y Ji, L Cui, C Hu, C Zhao	Exploring the association between multi-mode transport and the built environment: A comparative study of metro, bus, taxi, and shared bike use	Ridership
Y Yan, Q Chen	Spatial heterogeneity and nonlinearity study of bike-sharing to subway connections from the perspective of built environment	Ridership
S Hong, S Cho, H Park	Behavioral differences between young adults and elderly travelers concerning the crowding effect on public transit after the COVID-19 pandemic	Ridership
S Sun, L Zhou, P Wang, H Zhang	Unraveling the inconsistency in captive riders' behaviors and attitudes within public transportation service usage: An integrated modeling approach	Ridership
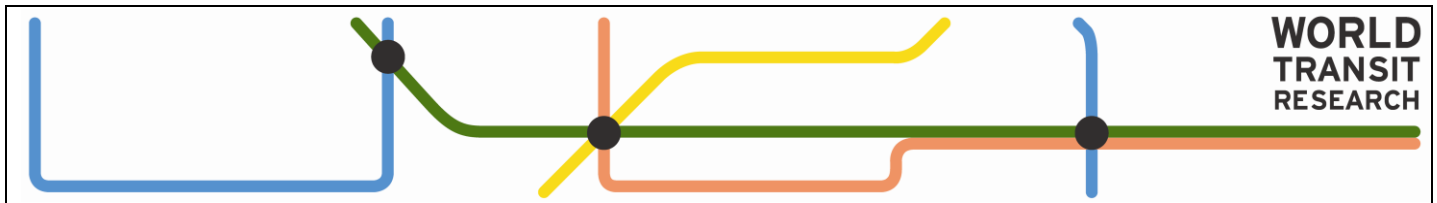
B Wang, F Zhang, J Liu, Z Tan	The impacts of extreme hot weather on metro ridership: A case study of Shenzhen, China	Ridership
Y Du, G Sun, E Heinen	Does subjective wellbeing modify travel behaviour changes among older people in response to a new metro line?	Ridership
S Roy, A Bailey, F van Noorloos	The everyday struggles of accessing public transport for women in the first- and last-mile stretches in Kolkata*	Ridership
L Shi, J Yang, J Lee, J Bai, I Ryu, K Choi	Spatial-temporal identification of commuters using trip chain data from non-motorized mode incentive program and public transportation	Ridership
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A Singh, A Imani, A Sivakumar, Y Xi, E Miller	A joint analysis of accessibility and household trip frequencies by travel mode*	Ridership
M Moller, S Raveau	Behavioural modelling of metro car choice	Ridership
M Xin, S Feng	Urban rail transit network topology evolutionary stage has influence on rail ridership: Insights from linear mixed-effects models with heterogeneity in variances	Ridership
Z Jin, Z Li, X Yang, J Holguin-Veras, C Li	Public transport mode choice behavior of different-income passengers during large-scale public health incidents	Ridership
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T Aoki, H Yoshida, T Yokota, E Itami	How will the combining of the elevation of rail lines with urban redevelopment reduce the north–south (east–west) disparity in the city? A case study of Kyoto-Osaka-Kobe conurbation, Japan	Land use
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C Guan, M You, Y Li, J Tan, C Jenq	Analyzing adverse effects of subway extension on housing prices in affluent urban neighborhoods	Land use
F Ashik, A Sreezon, M Rahman, N Zafri, S Labib	Built environment influences commute mode choice in a global south megacity context: Insights from explainable machine learning approach*	Land use
R Tamakloe, J Lee, D Park	Efficiency variations of integrated urban transit stations before and during the COVID-19 pandemic: Insights from a Mega-City without pandemic lockdown measures	Land use
T Wang, Y Li, I Chuang, W Qiao, J Jiang, L Beattie	Evaluating the 15-minute city paradigm across urban districts: A mobility-based approach in Hamilton, New Zealand*	Land use
S Goliszek	City-forming role of the Metro in Warsaw	Land use
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M Garcia-López, L Gómez-Hernández	Housing prices, buses and trams in Medellín (Colombia)*	Land use
J Byun, K Jang	The effects of subway operation for commercial land values: A case study in Daejeon, South Korea	Land use
M Champagne, J Dubé, D Legros	Standing strong? The causal impact of metro stations on service firms' survival	Land use
A Rojas	Train stations' impact on housing prices: Direct and indirect effects*	Land use
H Yang, Q Zhang, J Wen, X Sun, L Yang	Multi-group exploration of the built environment and metro ridership: Comparison of commuters, seniors and students	Land use
Z Peng, Z Wang, S Wang, A Chen, C Zhuge	Fuel and infrastructure options for electrifying public transit: A data-driven micro-simulation approach	Infrastructure
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J Wang, Z Li, P Kumar, C Ren	Mitigating particulate matter exposure at bus stations using green infrastructure	Infrastructure
F Xu, D Fang, B Chen, H Wang	Resilience assessment of subway system to waterlogging disaster	Infrastructure
H Peng, Y Li, X Niu, H Tang, X Meng, Z Li, K Wan, W Li, W Song	Characteristics analysis of leakage diseases of Beijing underground subway stations based on the field investigation and data statistics	Infrastructure
A Jain, A Metrikine, M. Steenbergen, K van Dalen	Design of railway transition zones: A novel energy-based criterion*	Infrastructure

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H Yang, J Peng, Y Lu, J Wang, X Yan	Nonlinear impact of built environment on people with disabilities' metro use behavior	Policy
F Asgarian, S Hejazi, H Khosroshahi, S Safarzadeh	Vehicle pricing considering EVs promotion and public transportation investment under governmental policies on sustainable transportation development: The case of Norway	Policy
Z Yang, Y Guo, X Feng, Y Zhou, P Zhou, X Li, X Qian	Evaluating temporal variations in access to multi-tier hospitals using personal vehicles and public transit: Implications for healthcare equity	Policy
F Ong, P Loa, K Habib	Ride-sourcing demand in Metro Vancouver: Looking through the lens of disability*	Policy
C Hull, K Collett, M McCulloch	Developing a representative driving cycle for paratransit that reflects measured data transients: Case study in Stellenbosch, South Africa*	Policy
S Keuchel, D Lohrmann	Spatial effects of carbon pricing on transport equity*	Policy
S An, K Ahn, J Bae, Y Song	Economic impacts of a subway system: Exploring local contexts in a metropolitan area	Economics
C Weibel, L Dang, W von Arx	Increasing public transport revenue or intensifying cannibalization: The effects of introducing a new tariff option in addition to pay-per-use and flat rate options	Economics
D Zhang, J Liu, K Liu, Y Zhang	The non-linear impact of urban rail transit on commercial property prices: Based on a spatial heterogeneity perspective	Economics
J Krembsler, S Spiegelberg, R Hasenfelder, N Kämpf, T Winter, R Knappe	Fare revenue forecast in public transport: A comparative case study*	Economics
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Z Zarabi, E Waygood, L Olsson, M Friman, A Gousse-Lessard	Enhancing public transport use: The influence of soft pull interventions*	Literature review
F Behnia, B Schuelke-Leech, M Mirhassani	Optimizing sustainable urban mobility: A comprehensive review of electric bus scheduling strategies and future directions*	Literature review
S Jaydarifard, L Morawska, A Paz	Mitigating airborne infection risks in public transportation: A systematic review*	Literature review
S Gong, J Teng, C Duan, S Liu	Framework for evaluating online public opinions on urban rail transit services through social media data classification and mining	Technology
B Tostes, S Henriques, P Brockway, M Heun, T Domingos, T Sousa	On the right track? Energy use, carbon emissions, and intensities of world rail transportation, 1840–2020*	Technology
Y Cao, Y Liu, Y Sun, S Su, F Wang	Enhancing rail safety through real-time defect detection: A novel lightweight network approach	Technology
X Guan, F Yu, H Xu, C Li, Y Guan	Flood risk assessment of urban metro system using random forest algorithm and triangular fuzzy number based analytical hierarchy process approach	Technology
I Orji	Adopting electric bus for improving efficiency in the local public transport sector: Analysis of facilitating conditions and their nonlinear relationships	Technology
R Singh, D Graham, M Trompet, J Barry	A sampling scheme for quantifying and benchmarking on time performance of urban bus transit	Operations
G Stumpf, R Marques, R Geddes, R da Silva	Risk mitigation in urban bus concession contracts: Overcoming uncertainties with a real options model*	Organisation

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