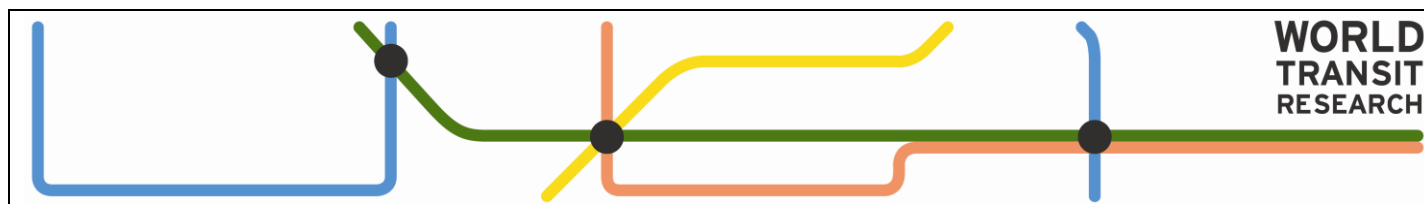**Institute of Transport Studies, Monash University**

World Transit Research

12-2023

World Transit Research December 2023 Newsletter

Institute of Transport Studies Monash University

MONASH University

World Transit Research

December 2023 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

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- Newsletter Subscription – Those accessing the website can enrol in a free email newsletter. This broadcasts new publications in the field every 2 months
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NEW ADDITIONS

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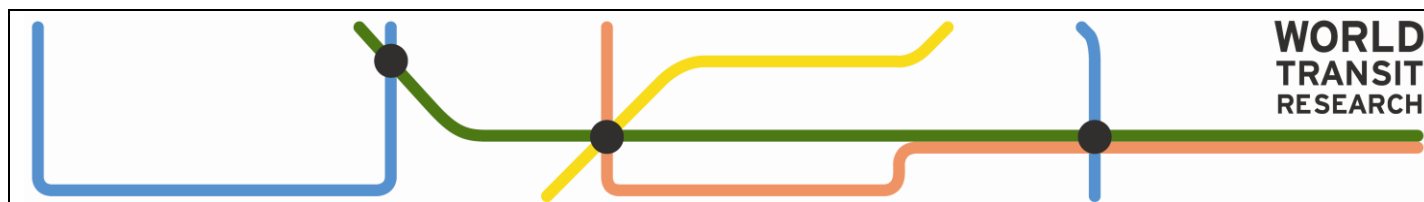
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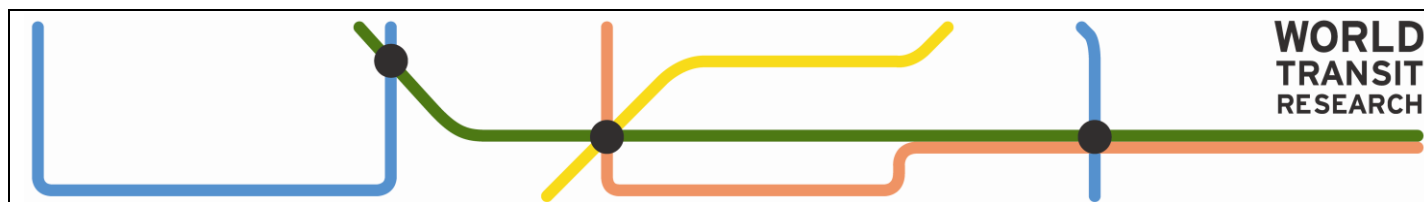enquiries@worldtransitresearch.info

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AUTHOR	TITLE	CATEGORY
M Duan, F Liao, G Qi, W Guan	Integrated optimization of electric bus scheduling and charging planning incorporating flexible charging and timetable shifting strategies*	Planning
B Zhang, Y Zhang, A D'Ariano, T Bosi, G Lu, Q Peng	Optimal platforming, routing, and scheduling of trains and locomotives in a rail passenger station yard	Planning
M Li, E Lee, H Lo	Frequency-based zonal flexible bus design considering order cancellation	Planning
D Kouzoupis, I Pendharkar, J Frey, M Diehl, F Corman	Direct multiple shooting for computationally efficient train trajectory optimization*	Planning
R Li, Z Yang, X Pei, Y Yue, S Jia, C Han, Z He	A novel one-stage approach for pointwise transportation mode identification inspired by point cloud processing	Planning
M Xu, B Shuai, X Wang, H Liu, H Zhou	Analysis of the accessibility of connecting transport at High-speed rail stations from the perspective of departing passengers	Planning
H Namgung, M Chikaraishi, A Fujiwara,	Influence of real and video-based experiences on stated acceptance of connected public transportation and autonomous vehicles in a transit mall: A hybrid choice modeling approach*	Planning
J Hatzenbühler, E Jenelius, G Gidófalvi, O Cats	Modular vehicle routing for combined passenger and freight transport*	Planning
J Rich, R Seshadri, A Jomeh, S Clausen	Fixed routing or demand-responsive? Agent-based modelling of autonomous first and last mile services in light-rail systems*	Planning
R Rendel, C Bachmann	Transit Benefit Index: A Comprehensive Index for Capturing Externalities in Transit Planning*	Planning
G Xu, Y Liu, Y Gao, W Liu	Integrated optimization of train stopping plan and seat allocation scheme for railway systems under equilibrium travel choice and elastic demand	Planning
S Yang, J Wu, H Sun, Y Qu	Trip planning for a mobility-as-a-service system: Integrating metros and shared autonomous vehicles	Planning
K Huang, F Liao	A novel two-stage approach for energy-efficient timetabling for an urban rail transit network*	Planning
X Guo, Q Du, Y Li, Y Zhou, Y Wang, Y Huang, B Martinez-Pastor	Cascading failure and recovery of metro–bus double-layer network considering recovery propagation	Planning
X Liu, X Chen, D Potoglou, M Tian, Y Fu	Travel impedance, the built environment, and customized-bus ridership: A stop-to-stop level analysis	Planning
X Hu, X Chen, X Lin, M Li	A path-based incentive scheme toward de-carbonized trips in a bi-modal traffic network	Planning
Z Xu, J Wang, P Lund, Y Zhang	Analysis of energy consumption for electric buses based on low-frequency real-world data	Planning
J Lee, S Oh, S Son	Optimal battery electric bus planning and its economic and environmental impacts*	Planning
D Fruhwirt, P Sturm, T Nöst, P Leonhardt, G Bode, S Michael, J Rodler	PM emissions from railways – Results of tests on a wheel-rail test bench*	Planning
Z Guo, J Liu, P Zhao, A Li, X Liu	Spatiotemporal heterogeneity of the shared e-scooter–public transport relationships in Stockholm and Helsinki	Planning
W Tseng, I Hsieh	Impacts of electric fleet charging patterns under different solar power penetration levels: Hourly grid variations and operating emissions	Planning
G Huang, D Xu	The last mile matters: Impact of dockless bike-sharing services on traffic congestion	Planning
K Tsoi, B Loo	A people-environment framework in evaluating transport stress among rail commuters*	Planning
S Mishra, B Mehran, P Sahu	Optimization of headway and bus stop spacing for low demand bus routes	Planning
H Hu, Y Yue, H Fu, J Li	Improving service qualities of cyclic line plans considering heterogeneous passenger origin-destination (OD) flow groups	Planning
S Asgarpour, A Hartmann, K Gkiotsalitis	Infrastructure investment planning through scenario-based system-of-systems modelling*	Planning
F Feres, F Basso, R Pezoa, M Varas, E Vargas-Estrada	The impact of bus punctuality on users' decisions and welfare	Planning
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R Grahn, S Qian, C Hendrickson	Optimizing first- and last-mile public transit services leveraging transportation network companies (TNC)	Planning
T Seo, K Wada, D Fukuda	Fundamental diagram of urban rail transit considering train–passenger interaction*	Planning

L Sun, R Wang, S Yu	Predictive validity of the Multidimensional Driving Style Inventory in bus drivers' crash involvement: A follow-up study	Planning
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C Cortés, P Donoso, L Gutiérrez, D Herl, D Muñoz	A recursive stochastic transit equilibrium model estimated using passive data from Santiago, Chile	Ridership
A Ziedan, L Lima, C Brakewood	A multiple mediation analysis to untangle the impacts of COVID-19 on nationwide bus ridership in the United States*	Ridership
S Chen, X Liu, C Lyu, L Vlacic, T Tang, Z Liu	A holistic data-driven framework for developing a complete profile of bus passengers	Ridership
Y Deng, Y Bai, L Cui, R He	Travel Mode Choice Behavior for High-Speed Railway Stations Based on Multi-Source Data	Ridership
S Nguyen, M Moeinaddini, I Saadi, M Cools	Psychological Factors Affecting Intention to Use Public Transport among Vietnamese Motorcyclists	Ridership
W Wu, Y Yao, R Wang	Green space exposure at subway stations, transportation mode choice and travel satisfaction	Ridership
M Palm, J Allen, S Farber	Shifted out: The well-being and justice implications of evening and night commuting	Ridership
B Peng, Y Zhang, C Li, T Wang, S Yuan	Nonlinear, threshold and synergistic effects of first/last-mile facilities on metro ridership	Ridership
B Chiu	Does mass rapid transit reduce motorcycle travel? Evidence from Taipei, Taiwan	Ridership
A Baumgertner, I Schubert, A Sohre, U Tomic, C Moser, P Burger	Toward a reduction of car-based leisure travel: An analysis of determinants and potential measures*	Ridership
M Kim, G Cho	The effects of bike-share users' socio-demographics and trip features on the bike-transit relationships	Ridership
H Bartling	Bike share and user motivation: exploring trip substitution choices among bike share users in a North American city	Ridership
M Beck, J Nelson, D Hensher	Attitudes toward public transport post Delta COVID-19 lockdowns: Identifying user segments and policies to restore confidence	Ridership
F Yang, C Shuai, Q Qian, W Wang, M He, M He, J Lee	Predictability of short-term passengers' origin and destination demands in urban rail transit	Ridership
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N Geržinič, N van Oort, S Hoogendoorn-Lanser, O Cats, S Hoogendoorn	Potential of on-demand services for urban travel*	Ridership
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J Andersson, G Björklund, H Warner, K Lättman, E Adell	The complexity of changes in modal choice: A quasi-experimental study*	Ridership
H Sung, N Dabrundashvili, S Baek	Mode-specific impacts of social distancing measures on the intra- and inter-urban mobility of public transit in Seoul during the COVID-19 pandemic	Ridership
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R Alfaris, M Jalayer	Assessment of the First-and-Last-Mile Problem in Underserved Communities: Case Study in Camden City, NJ	Policy
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E Eriksson, H Lidestam, L Hiselius	Effects on operating costs of adjusting bus departure times during peak-hour traffic in Sweden*	Operations
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L Yan, N Si-Rui, G Yue, Z Chi-Hua, L Duo	Detection and analysis of transfer time in urban rail transit system using WIFI data*	Technology
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T Strommer, D Hörcher, A Munkácsy	Crowding externalities and optimal subsidies in public transport: Revisiting the Parry–Small model	Economics
S Wang, J Wang, X Hu	Optimization of unsubsidized and subsidized customized bus services	Mode
R McIlroy	"This is where public transport falls down": Place based perspectives of multimodal travel*	Place

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