

Institute of Transport Studies, Monash University World Transit Research

World Transit Research Newsletter

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World Transit Research February 2020 Newsletter

Institute of Transport Studies Monash University

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February 2020 Newsletter

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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 <u>Public Transport</u> <u>Research Group</u> 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 <u>http://www.worldtransitresearch.info/</u> and enter their email address in the box provided under Newsletter.

NEW ADDITIONS

World Transit Research clearinghouse now includes some 7,669 research reports/papers. Some 89 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 <u>www.worldtransitresearch.info</u> 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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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: <u>enquiries@worldtransitresearch.info</u>

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WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
A Mohammadi, L Amador-Jimenez, F Nasiri	A multi-criteria assessment of the passengers' level of comfort in urban railway rolling stock	Planning
M Erdoğan, İ Kaya	A systematic approach to evaluate risks and failures of public transport systems with a real case study for bus rapid system in Istanbul	Planning
X Xiong, L Zhu, J Zhang, A Li, X Li, M Tang	Field measurements of the interior and exterior aerodynamic pressure induced by a metro train passing through a tunnel	Planning
R Khayamim, S Shetab-Boushehrib, S Hosseininasab, H Karimi	A sustainable approach for selecting and timing the urban transportation infrastructure projects in large-scale networks: A case study of Isfahan, Iran	Planning
Y Huang, L Li, Z Liu, H Zhu, L Zhu	Assessment of Urban Railway Transit Driver Workload and Fatigue under Real Working Conditions	Planning
C Ho, C Mulley, D Hensher	Public preferences for mobility as a service: Insights from stated preference surveys*	Planning
Y Wong, D Hensher, C Mulley	Mobility as a service (MaaS): Charting a future context*	Planning
H Meurs, F Sharmeen, V Marchau, R van der Heijden	Organizing integrated services in mobility-as-a-service systems: Principles of alliance formation applied to a MaaS-pilot in the Netherlands*	Planning
F Pettersson, R Hrelja	How to create functioning collaboration in theory and in practice – practical experiences of collaboration when planning public transport systems*	Planning
R Merkert, J Bushell, M Beck	Collaboration as a service (CaaS) to fully integrate public transportation – Lessons from long distance travel to reimagine mobility as a service	Planning
L Wu, W Gu, W Fan, M Cassidy	Optimal design of transit networks fed by shared bikes*	Planning
L Truong, G Currie	Macroscopic road safety impacts of public transport: A case study of Melbourne, Australia	Planning
E Sam, K Brijs, S Daniels, T Brijs, G Wets	Testing the convergent- and predictive validity of a multi-dimensional belief-based scale for attitude towards personal safety on public bus/minibus for long-distance trips in Ghana: A SEM analysis*	Planning
M Häußler, A Borrmann	Model-based quality assurance in railway infrastructure planning	Planning
X Feng, K Li, C Ding, W Hua	Bayesian network modeling explorations of strategies on reducing perceived transfer time for urban rail transit service improvement in different seasons	Planning
A Tennøy, J Hanssen, K Øksenholt	Developing a tool for assessing park-and-ride facilities in a sustainable mobility perspective*	Planning
C Weckström, R Kujala, M Mladenović, J Saramäki	Assessment of large-scale transitions in public transport networks using open timetable data: case of Helsinki metro extension*	Planning
T Glick, M Figliozzi	Analysis and Application of Log-Linear and Quantile Regression Models to Predict Bus Dwell Times	Planning
P Kumar, A Khani, G Davis	Transit Route Origin–Destination Matrix Estimation using Compressed Sensing	Planning
J Orbea, S Castellanos, C Albuquerque, R Sclar, B Pinheiro	Adapting Procurement Models for Electric Buses in Latin America	Planning
X Dou, Q Meng	Feeder Bus Timetable Design and Vehicle Size Setting in Peak Hour Demand Conditions	Planning
M Zamanain, F Peiravian	Multi-Step Heuristic Method for Bus Terminal Location Problem	Planning
M Tiessler, R Engelhardt, K Bogenberger, C Hessel, M Serwa-Klamouri	Integration of an Urban Ropeway into Munich's Transit System Demand Modeling	Planning
M Levin, M Odell, S Samarasena, A Schwartz	A linear program for optimal integration of shared autonomous vehicles with public transit	Planning
Z Ma, H Koutsopoulos	Optimal design of promotion based demand management strategies in urban rail systems	Planning
J Sang, ∠ Li, W Lam, S Wong	Design of build-operate-transfer contract for integrated rail and property development with uncertainty in future urban population	Planning
S Luo, Y Nie	Impact of ride-pooling on the nature of transit network design	Planning
Z Hamidi, R Camporeale, L Caggiani	Inequalities in access to bike-and-ride opportunities: Findings for the city of Malmö	Planning
E Echaniz, C Ho, A Rodriguez, L dell'Olio	Comparing best-worst and ordered logit approaches for user satisfaction in transit services	Planning



WORLD TRANSIT RESEARCH

H Asgari, X Jin	Incorporating habitual behavior into Mode choice Modeling in light of emerging mobility services	Ridership
M Du, L Cheng, X Li, J Yang	Factors affecting the travel mode choice of the urban elderly in healthcare activity: comparison between core area and suburban area	Ridership
T Tang, R Liu, C Choudhury	Incorporating weather conditions and travel history in estimating the alighting hus stops from smart card data	Ridership
Z Ma, H Koutsopoulos, Y Chen, N Wilson	Estimation of Denied Boarding in Urban Rail Systems: Alternative Formulations and Comparative Analysis	Ridership
L He, B Agard, M Trépanier	A classification of public transit users with smart card data based on time series distance metrics and a bigrarchical clustering method	Ridership
T Welch, S Gehrke, A Widita	Shared-use mobility competition: a trip-level analysis of taxi, bikeshare, and transit mode choice in Washington, DC	Ridership
M Yap, O Cats, B van Arem	Crowding valuation in urban tram and bus transportation based on smart card data*	Ridership
P Singleton	Multimodal travel-based multitasking during the commute: Who does what?	Ridership
A Shamshiripour, N Golshani, R Shabanpour, A Mohammadian	Week-Long Mode Choice Behavior: Dynamic Random Effects Logit Model	Ridership
J Shinn, C Voulgaris	Ridership Ramp-Up? Initial Ridership Variation on New Rail Transit Projects	Ridership
A Borowsky, N Palacci, M Itzhaki, D Shinar	The assessment of hazard awareness skills among light rail drivers	Ridership
W Morsche, L La Paix Puello, K Geurs	Potential uptake of adaptive transport services: An exploration of service attributes and attitudes	Ridership
N Shiwakoti, P Stasinopoulos, P Vincec, W Qian, R Hafsar	Exploring how perceptive differences impact the current public transport usage and support for future public transport extension and	Ridership
N Ngo	Usage: A case study of Melbourne's tramline extension	Didarahin
E Dohimi. A Shomohiringur. D	Analyzia of transit years' waiting talerance in reasonable to unplanned	Ridership
Shabanpour, A Mohammadian, J Auld	Analysis of transit users waiting tolerance in response to unplanned	Ridership
S Jokubauskaite, R Hössinger, F Aschauer, R Gerike, S Jara-Díaz, S Peer, B Schmid, K Axhausen, F Leisch	Advanced continuous-discrete model for joint time-use expenditure and mode choice estimation	Ridership
V Van Acker, C Mullev, L Ho	Impact of childhood experiences on public transport travel behaviour	Ridership
R Sarker, S Kaplan, M Mailer, H Timmermans	Applying affective event theory to explain transit users' reactions to service disruptions	Ridership
J Allen, J Muñoz, J de Dios Ortúzar	On evasion behaviour in public transport: Dissatisfaction or contagion?	Ridership
S Li, D Lyu, G Huang, X Zhang, F Gao, Y Chen, X Liu	Spatially varying impacts of built environment factors on rail transit ridership at station level: A case study in Guangzhou, China	Land use
H Iseki, H Eom	Impacts of Rail Transit Accessibility on Firm Spatial Distribution: Case Study in the Metropolitan Area of Washington, DC	Land use
E Chen, Z Ye, C Wang, W Zhang	Discovering the spatio-temporal impacts of built environment on metro ridership using smart card data	Land use
M Adolphson, O Fröidh	Impact on urban form by the localization of railway stations: Evidence from Sweden	Land use
S AlQuhtani, A Anjomani	Do rail transit stations affect housing value changes? The Dallas Fort- Worth metropolitan area case and implications	Land use
Y Zhang, S Marshall, E Manley	Network criticality and the node-place-design model: Classifying metro station areas in Greater London	Land use
R Tan, Q He, K Zhou, P Xie	The effect of new metro stations on local land use and housing prices: The case of Wuhan, China	Land use
D Bautista-Hernández	Urban structure and its influence on trip chaining complexity in the Mexico City Metropolitan Area*	Land use
A Nelson, R Hibberb	Streetcars and Real Estate Rents with Implications for Transit and Land Use Planning	Land use
L Yu, B Xie, E Chan	Exploring impacts of the built environment on transit travel: Distance, time and mode choice, for urban villages in Shenzhen, China	Land use
E Yao, T Liu, T Lu, Y Yang	Optimization of electric vehicle scheduling with multiple vehicle types in public transport	Operations
P Shang, R Li, L Yang	Demand-driven timetable and stop pattern cooperative optimization on an urban rail transit line	Operations
S Alizadeh, M Safi	A new model for efficiency evaluation of a bus fleet by window analysis in DEA and data mining	Operations
M Abdolmaleki, N Masoud, Y Yin	Transit timetable synchronization for transfer time minimization*	Operations
R Guo, W Szeto, J Long	Trial-and-error operation schemes for bimodal transport systems*	Operations



WORLD TRANSIT RESEARCH

PTRG PUBLIC TRANSPORT RESEARCH GROUP

K Gkiotsalitis, E van Berkum	An exact method for the bus dispatching problem in rolling horizons*	Operations
J Liang, J Wu, Y Qu, H Yin, X Qu, Z Gao	Robust bus bridging service design under rail transit system disruptions	Operations
M Kim, J Levy, P Schonfeld	Optimal zone sizes and headways for flexible-route bus services	Operations
Y Zhou, Y Wang, H Yang, X Yan	Last train scheduling for maximizing passenger destination reachability in urban rail transit networks	Operations
M Emiliano, L Costa, S Carvalho, J Telhada, E Lanzer	Multiobjective optimization of transit bus fleets with alternative fuel options: The case of Joinville, Brazil	Infrastructure
J Liu, X Chen	Simulation of passenger motion in metro stations during rush hours based on video analysis	Infrastructure
L Liu, A Kotz, A Salapaka, E Miller, W Northrop	Impact of Time-Varying Passenger Loading on Conventional and Electrified Transit Bus Energy Consumption	Infrastructure
Y Cheng, H Kim, G Chang	Design of a Dual-Modal Signal Progression Model for Urban Arterials Accommodating Heavy Transit and Passenger Car Flows	Infrastructure
C Iliopoulou, K Kepaptsoglou	Integrated transit route network design and infrastructure planning for on-line electric vehicles	Infrastructure
S Pelletier, O Jabali, J Mendoza, G Laporte	The electric bus fleet transition problem	Infrastructure
F Ma, Y Liang, K Yuen, Q Sun, Y Zhu, Y Wang, W Shi	Assessing the vulnerability of urban rail transit network under heavy air pollution: A dynamic vehicle restriction perspective	Policy
R Serrano-López, A Linares-Unamunzaga, C Muñoz San Emeterio	Urban sustainable mobility and planning policies. A Spanish mid-sized city case	Policy
N Gandelman, T Serebrisky, A Suárez- Alemán	Household spending on transport in Latin America and the Caribbean: A dimension of transport affordability in the region	Policy
J Kandt, A Leak	Examining inclusive mobility through smartcard data: What shall we make of senior citizens' declining bus patronage in the West Midlands?	Policy
F Romero, J Gomez, T Rangel, J Vassallo	Impact of restrictions to tackle high pollution episodes in Madrid: Modal share change in commuting corridors	Policy
C Park, J Chang	Spatial equity of excess commuting by transit in Seoul	Technology
Y Liu, T Cheng	Understanding public transit patterns with open geodemographics to facilitate public transport planning*	Technology
P Franco, R Johnston, E McCormick	Demand responsive transport: Generation of activity patterns from mobile phone network data to support the operation of new mobility services*	Technology
J Eom, J Choi, M Park, T Heo	Exploring the catchment area of an urban railway station by using transit card data: Case study in Seoul	Technology
Z Cao, A Ceder, S Zhang	Real-time schedule adjustments for autonomous public transport vehicles	Technology
S Guidon, M Wicki, T Bernauer, K Axhausen	Transportation service bundling – For whose benefit? Consumer valuation of pure bundling in the passenger transportation market*	Economics
J Yang, H Zhou, M Zhou	Bus transit subsidy under China's transit metropolis initiative: The case of Shenzhen	Economics
X Luan, L Cheng, Y Song, J Zhao	Better understanding the choice of travel mode by urban residents: New insights from the catchment areas of rail transit stations	Mode
M Singh	India's shift from mass transit to MaaS transit: Insights from Kochi*	Mode
D Ederer, S Berrebi, C Diffee, T Gibbs, K Watkins	Comparing Transit Agency Peer Groups using Cluster Analysis	Organisation
S Zhang, H Lo	Metro disruption management: Contracting substitute bus service under uncertain system recovery time*	Organisation

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