



Institute of Transport Studies (Monash)
The Australian Research Council Key Centre in Transport Management

**Institute of Transport Studies, Monash
University
World Transit Research**

World Transit Research Newsletter

2-2018

World Transit Research February 2018 Newsletter

Institute of Transport Studies Monash University

Follow this and additional works at: <http://www.worldtransitresearch.info/newsletter>

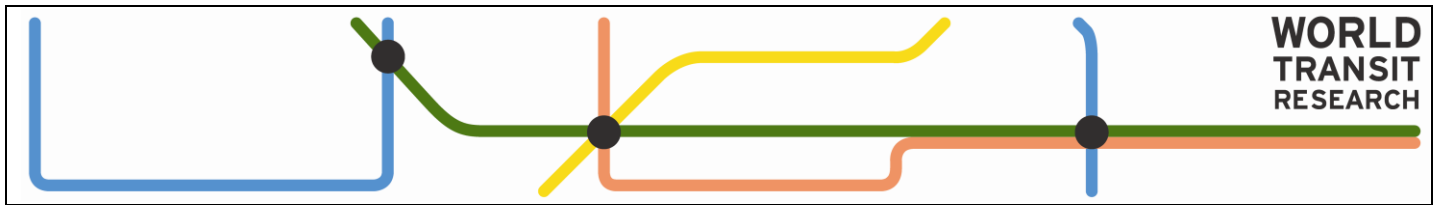
Recommended Citation

Institute of Transport Studies, Monash University. (2018). World Transit Research February 2018 Newsletter.

This Newsletter is brought to you for free and open access by World Transit Research. It has been accepted for inclusion in World Transit Research Newsletter by an authorized administrator of World Transit Research. For more information, please contact graham.currie@eng.monash.edu.au.



MONASH University



World Transit Research
February 2018 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 6,745 research reports/papers. Some 79 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.

UNSUBSCRIBE

Click here to [unsubscribe](#) from this newsletter.

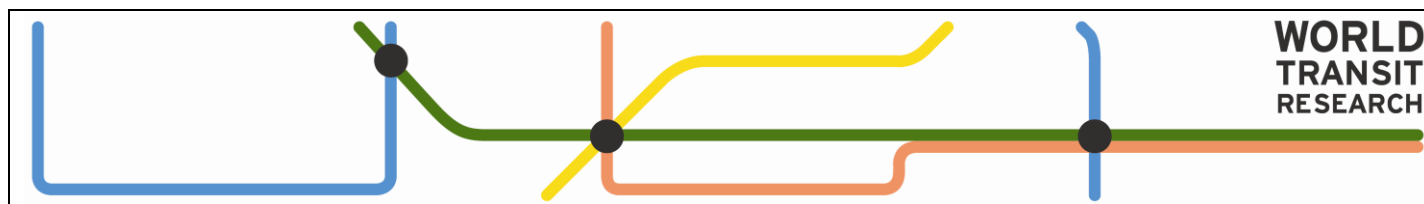
JOURNAL SUBSCRIPTIONS

Articles on the following two pages denoted with an asterisk * are from Journals that require a subscription to view the full article.

SUGGESTIONS WELCOMED

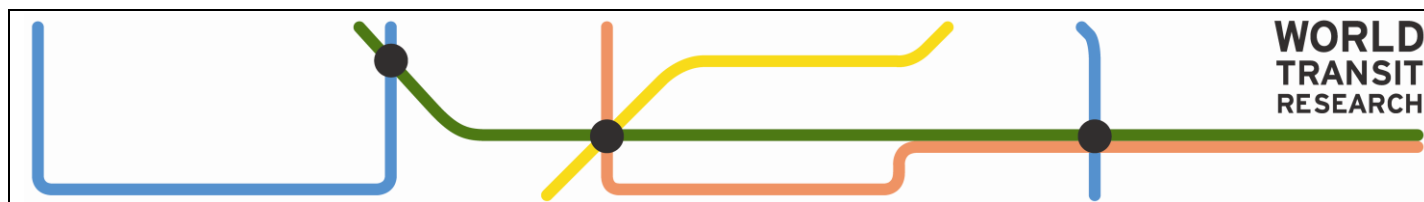
If you have any queries or suggestions on how to improve our publication, we would love to hear from you at:
enquiries@worldtransitresearch.info

Wendy Walker
Research Clearing House Manager
Monash University, Australia
enquiries@worldtransitresearch.info
PH +61 4 4733 9771 Fax: +61 3 9905 4944

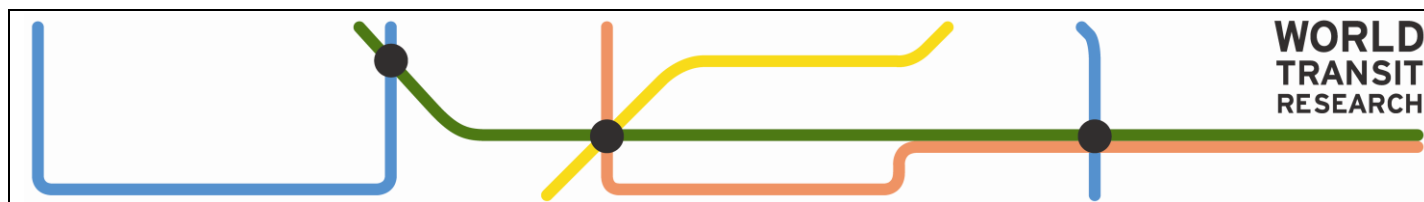


WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
University of Illinois at Chicago	CPS Travel Training Evaluation Project*	Planning
E Feitelson, G Cohen-Blankshtain	Public transport planning in a spatially segmented city: The case of Jerusalem	Planning
B McHugh, B Dong, J Recker, V Shank	Conducting Onboard Transit Rider Surveys with Electronic Handheld Tablets: An Agencywide Consolidated Approach*	Planning
S Yoon, S Kho, D Kim	Effect of Regional Characteristics on Injury Severity in Local Bus Crashes: Use of Hierarchical Ordered Model*	Planning
P Martin, N Landau	San Pablo, California, Corridor Rapid Service: Planning and 10 Years of Operational Experience*	Planning
E Grisé, A El-Geneidy	Identifying the Bias: Evaluating Effectiveness of Automatic Data Collection Methods in Estimating Details of Bus Dwell Time*	Planning
S Papagianni, C Iliopoulou, K Kepaptsoglou, A Stathopoulos	Decision-Making Framework to Allocate Real-Time Passenger Information Signs at Bus Stops: Model Application in Athens, Greece*	Planning
P Ye, Z Chen, H Yang	Modeling Bus Service Time for a Curbside Stop*	Planning
Y Wang, X Chen, L Yu, Y Qi	Calibration of the Platoon Dispersion Model by Considering the Impact of the Percentage of Buses at Signalized Intersections*	Planning
T Glick, M Figliozzi	Measuring the Determinants of Bus Dwell Time: New Insights and Potential Biases*	Planning
P Guarda, J Velásquez, T Tun, X Chen, G Zhong	Comparing Chinese and Non-Chinese Bus Rapid Transit Systems: Evidence from Evaluating Global Systems on the Basis of Bus Rapid Transit Design Indicators*	Planning
X Luo, Y Jiang, Z Yao, Y Tang, Y Liu	Designing Limited-Stop Transit Service with Fixed Fleet Size in Peak Hours by Exploiting Transit Data*	Planning
K Kotoula, M Morfoulaki, G Aifadopoulou, P Tzenos	Calculating Optimal School Bus Routing and Its Impact on Safety and the Environment*	Planning
J Chu	Mixed-integer programming model and branch-and-price-and-cut algorithm for urban bus network design and timetabling*	Planning
A Alsger, A Tavassoli, M Mesbah, L Ferreira, M Hickman	Public transport trip purpose inference using smart card fare data*	Planning
M Henseler, H Maisonnave	Low world oil prices: A chance to reform fuel subsidies and promote public transport? A case study for South Africa*	Planning
A Garcia-Martinez, R Cascajo, S Jara-Diaz, S Chowdhury, A Monzon	Transfer penalties in multimodal public transport networks*	Planning
T Zuo, H Wei, A Rohne	Determining transit service coverage by non-motorized accessibility to transit: Case study of applying GPS data in Cincinnati metropolitan area*	Planning
D Boyle	The Future of Transit	Planning
D Zhao, W Wang, A Woodburn, M Ryerson	Isolating high-priority metro and feeder bus transfers using smart card data*	Planning
A Daly, N Sanko, M Wardman	Cost and time damping: evidence from aggregate rail direct demand models*	Planning
C Marti, A Toletti, S Tresch, U Weidmann	Infrastructure and Operational Influences on Collisions Between Trams and Left-Turning Cars*	Planning
D Nelson, T Blakey, K O'Neil	Diesel Multiple Units in 21st Century North America: Comparative Survey and Evaluation of Services, Demand, and Cost*	Planning
F Monsuur, M Enoch, M Quddus, S Meek	Impact of Train and Station Types on Perceived Quality of Rail Service*	Planning
J Yeung, J Lee, Y Wee, K Mak	Commuter-Centric Resilience Index for Rapid Transit System Networks: Case Study of the Singapore Mass Rapid Transit Network*	Planning
J Antos, W Jia, J Parker	Is It Too Crowded in Here? In Search of Safety Standards for Pedestrian Congestion in Rail Stations*	Planning
M Trompet, R Anderson, D Graham	Improved understanding of the relative quality of bus public transit using a balanced approach to performance data normalization*	Planning
M Hosseini, T El-Diraby, A Shalaby	Supporting sustainable system adoption: Socio-semantic analysis of transit rider debates on social media*	Planning
L Sun, Y Huang, Y Chen, L Yao	Vulnerability assessment of urban rail transit based on multi-static weighted method in Beijing, China*	Planning
T Nordfjærn, T Rundmo	Transport risk evaluations associated with past exposure to adverse security events in public transport	Planning
S Li, L Yang, Z Gao	Optimal switched control design for automatic train regulation of metro lines with time-varying passengers arrival flow	Planning
S Cheng, B Xie, Y Bie, Y Zhang, S Zhang	Measure dynamic individual spatial-temporal accessibility by public transit:	Planning



	Integrating time-table and passenger departure time	
M van Engelen, O Cats, H Post, K Aardal	Enhancing flexible transport services with demand-anticipatory insertion heuristics*	Planning
S Barbeau	Improving Access to Transit through Crowdsourced Information*	Technology
F Cevallos	Transit Service Reliability: Analyzing Automatic Vehicle Location (AVL) Data for On-Time Performance and Identifying Conditions Leading to Service Degradation*	Technology
D Dreier, S Silveira, D Khatiwada, K Fonseca, R Nieweglowski, R Schepanski	Well-to-Wheel analysis of fossil energy use and greenhouse gas emissions for conventional, hybrid-electric and plug-in hybrid-electric city buses in the BRT system in Curitiba, Brazil	Technology
M Asgharzadeh, Y Shafahi	Real-Time Bus-Holding Control Strategy to Reduce Passenger Waiting Time*	Technology
J Wang, H Rakha	Convex Fuel Consumption Model for Diesel and Hybrid Buses*	Technology
Z Liu, Z Song, Y He	Optimal Deployment of Dynamic Wireless Charging Facilities for an Electric Bus System*	Technology
N Nassir, M Hickman, Z Ma	A strategy-based recursive path choice model for public transit smart card data*	Technology
X Xie, F Leurent	Estimating Distributions of Walking Speed, Walking Distance, and Waiting Time with Automated Fare Collection Data for Rail Transit*	Technology
M Rahman, S Wirasinghe, L Kattan	Analysis of bus travel time distributions for varying horizons and real-time applications	Technology
H Niu, X Zhou, X Tian	Coordinating assignment and routing decisions in transit vehicle schedules: A variable-splitting Lagrangian decomposition approach for solution symmetry breaking	Operations
M Nesheli, A Ceder	Real-Time Public Transport Operations: Library of Control Strategies*	Operations
J Fabian, G Sánchez-Martínez	Simulation-Based Comparison of Holding Strategies for a Multibranch Light Rail Service*	Operations
A Caspari, B Levine, J Hanft, A Reddy	Real-Time Estimation of Platform Crowding for New York City Subway: Case Study at Wall Street Station on No. 2 and No. 3 Lines in Financial District*	Operations
X Dou, X Guo	Schedule Coordination Method for Last Train Transfer Problem*	Operations
G Suazo-Vecino, M Dragicevic, J Muñoz	Holding Boarding Passengers to Improve Train Operation on Basis of an Economic Dwell Time Model*	Operations
X Dou, X Gong, X Guo, T Tao	Coordination of Feeder Bus Schedule with Train Service at Integrated Transport Hubs*	Operations
Z Christoforou, P Collet, B Kaban, F Leurent, A de Feraudy, A Ali, T Arakelian-von Freeden, Y Li	Influencing Longitudinal Passenger Distribution on Railway Platforms to Shorten and Regularize Train Dwell Times*	Operations
M Meng, A Rau, H Mahardhika	Public transport travel time perception: Effects of socioeconomic characteristics, trip characteristics and facility usage*	Ridership
M Miramontes, M Pfertner, H Rayaprolu, M Schreiner, G Wulforth	Impacts of a multimodal mobility service on travel behavior and preferences: user insights from Munich's first Mobility Station*	Ridership
C Prato, K Halldórsdóttir, O Nielsen	Latent lifestyle and mode choice decisions when travelling short distances*	Ridership
H Pang, A Khani	Modeling park-and-ride location choice of heterogeneous commuters*	Ridership
M Young, S Blainey	Railway station choice modelling: a review of methods and evidence*	Ridership
S Chowdhury, M O'Sullivan	A fuzzy logic-genetic algorithm approach to modelling public transport users' risk-taking behaviour*	Ridership
J Paul, M Smart	The Hangover: Assessing Impact of Major Service Interruptions on Urban Rail Transit Ridership*	Ridership
K Kim	Exploring the difference between ridership patterns of subway and taxi: Case study in Seoul	Ridership
C Mulley, B Sampaio, L Ma	South Eastern Busway Network in Brisbane, Australia: Value of the Network Effect*	Land use
K Park, R Ewing, B Scheer, G Tian	The impacts of built environment characteristics of rail station areas on household travel behavior*	Land use
D Nguyen-Phuoc, G Currie, C De Gruyter, W Young	Net Impacts of Streetcar Operations on Traffic Congestion in Melbourne, Australia*	Land use
I Nilsson, E Delmelle	Transit investments and neighborhood change: On the likelihood of change	Land use
M Duncan	Would the replacement of park-and-ride facilities with transit-oriented development reduce vehicle kilometers traveled in an auto-oriented US region?	Land use
L Liu, C Jiang, S Zhou, K Liu, F Du	Impact of public bus system on spatial burglary patterns in a Chinese urban context*	Mode



S Zheng, X Zhang, W Sun, J Wang	The effect of a new subway line on local air quality: A case study in Changsha*	Mode
S Dabiri, K Heaslip	Inferring transportation modes from GPS trajectories using a convolutional neural network	Mode
Y Cheng, Y Lin	Expanding the effect of metro station service coverage by incorporating a public bicycle sharing system*	Mode
M Saberi, M Ghamami, Y Gu, M Shojaei, E Fishman	Understanding the impacts of a public transit disruption on bicycle sharing mobility patterns: A case of Tube strike in London	Mode
D Hörcher, D Graham, R Anderson	The economics of seat provision in public transport	Infrastructure
L Truong, G Currie, M Wallace, C De Gruyter	Does Combining Transit Signal Priority with Dedicated Bus Lanes or Queue Jump Lanes at Multiple Intersections Create Multiplier Effects?*	Infrastructure
J Allen	Redesigning Main Lines for Commuter Rail Electrification*	Infrastructure
S Seriani, G de Ana Rodríguez, C Holloway	Combined Effect of Platform Edge Doors and Level Access on Boarding and Alighting Process in London Underground*	Infrastructure
G Bel, M Holst	Evaluation of the impact of Bus Rapid Transit on air pollution in Mexico City*	Policy
C Venter, G Jennings, D Hidalgo, A Pineda	The equity impacts of bus rapid transit: A review of the evidence and implications for sustainable transport*	Policy
G Büyüközkan, O Feyzioğlu, F Göçer	Selection of sustainable urban transportation alternatives using an integrated intuitionistic fuzzy Choquet integral approach	Policy
R Wong, W Szeto, L Yang, Y Li, S Wong	Public transport policy measures for improving elderly mobility*	Policy
S Schlickman	Transit Value Capture Coordination: Case Studies, Best Practices, and Recommendations*	Economics
L de Grange, R Troncoso, I Briones	Cost, production and efficiency in local bus industry: An empirical analysis for the bus system of Santiago*	Economics
D Hörcher, D Graham	Demand imbalances and multi-period public transport supply*	Economics

Note: Articles with an asterisk * are from Journals that require a subscription to view the full article