



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

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

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World Transit Research Newsletter

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8-2019

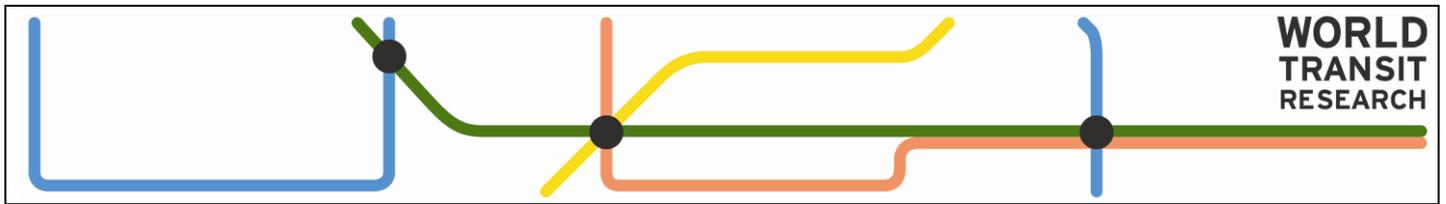
# World Transit Research August 2019 Newsletter

Institute of Transport Studies Monash University

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## World Transit Research

### August 2019 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 [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 7,420 research reports/papers. Some 97 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](http://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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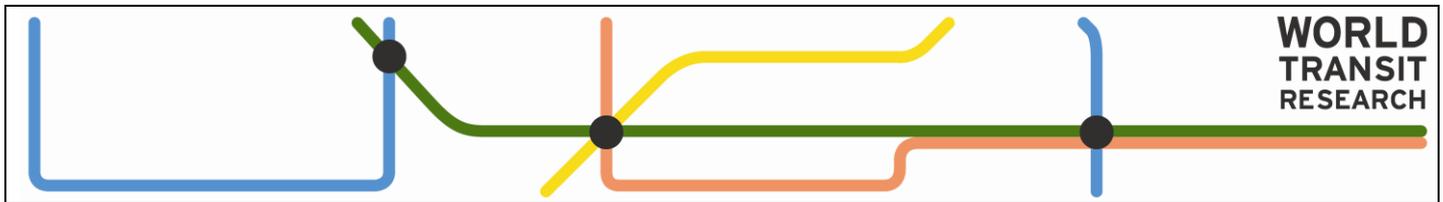
If you have any queries or suggestions on how to improve our publication, we would love to hear from you at: [enquiries@worldtransitresearch.info](mailto:enquiries@worldtransitresearch.info)

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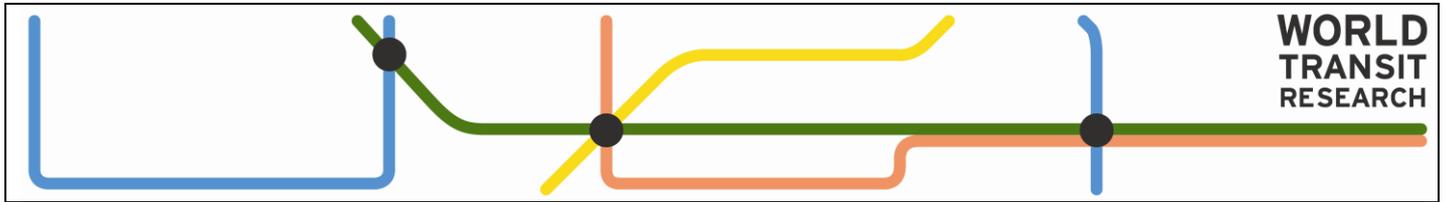
**WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS**

<b>AUTHOR</b>	<b>TITLE</b>	<b>CATEGORY</b>
J Duran, L Pradenas, V Parada	<a href="#">Transit network design with pollution minimization*</a>	Planning
H Suman, N Bolia	<a href="#">Mitigation of overcrowding in buses through bus planning*</a>	Planning
G Yeboah, C Cottrill, J Nelson, D Corsar, M Markovic, P Edwards	<a href="#">Understanding factors influencing public transport passengers' pre-travel information-seeking behaviour*</a>	Planning
K Habib, S Hasnine	<a href="#">An econometric investigation of the influence of transit passes on transit users' behavior in Toronto*</a>	Planning
B Otto	<a href="#">Aggregation techniques for frequency assignment in public transportation*</a>	Planning
A Candelieri, B Galuzzi, I Giordani, F Archetti	<a href="#">Vulnerability of public transportation networks against directed attacks and cascading failures*</a>	Planning
F Malucelli, E Tresoldi	<a href="#">Delay and disruption management in local public transportation via real-time vehicle and crew re-scheduling: a case study</a>	Planning
X Xu, H Li, J Liu, B Ran, L Qin	<a href="#">Passenger flow control with multi-station coordination in subway networks: algorithm development and real-world case study*</a>	Planning
A Chow, S Li	<a href="#">Modelling and managing bus service regularity with influence of prevailing traffic*</a>	Planning
J Fang, T Fujiyama, H Wong	<a href="#">Modelling passenger distribution on metro platforms based on passengers' choices for boarding cars*</a>	Planning
L Bastos, P Marques, S Batterman, F Freire	<a href="#">Environmental impacts of commuting modes in Lisbon: A life-cycle assessment addressing particulate matter impacts on health*</a>	Planning
V Bermond, R Caliman, R Rosa, E Pereira, B Carvalhaes	<a href="#">A method to assess the eco-efficiency of a public bus transportation service*</a>	Planning
D A Lessa, C Lobo, L Cardoso	<a href="#">Accessibility and urban mobility by bus in Belo Horizonte/Minas Gerais – Brazil*</a>	Planning
X Liu, Y Zhou, A Rau	<a href="#">Smart card data-centric replication of the multi-modal public transport system in Singapore*</a>	Planning
J Handley, L Fu, L Tupper	<a href="#">A case study in spatial-temporal accessibility for a transit system*</a>	Planning
M Stępniaik, J Pritchard, K Geurs, S Goliszek	<a href="#">The impact of temporal resolution on public transport accessibility measurement: Review and case study in Poland*</a>	Planning
S Nazari Adli, S Chowdhury, Y Shifta	<a href="#">Justice in public transport systems: A comparative study of Auckland, Brisbane, Perth and Vancouver*</a>	Planning
M Börjesson, I Rubensson	<a href="#">Satisfaction with crowding and other attributes in public transport*</a>	Planning
Z Gan, T Feng, Y Wu, M Yang, H Timmermans	<a href="#">Station-based average travel distance and its relationship with urban form and land use: An analysis of smart card data in Nanjing City, China*</a>	Planning
J Zhou	<a href="#">Ride-sharing service planning based on smartcard data: An exploratory study*</a>	Planning
P Zhao, P Li	<a href="#">Travel satisfaction inequality and the role of the urban metro system*</a>	Planning
D Canca, A De-Los-Santos, G Laporte, J Mesa	<a href="#">Integrated Railway Rapid Transit Network Design and Line Planning problem with maximum profit*</a>	Planning
T El-Diraby, A Shalaby, M Hosseini	<a href="#">Linking social, semantic and sentiment analyses to support modeling transit customers' satisfaction: Towards formal study of opinion dynamics*</a>	Planning
D Lin, Y Zhang, R Zhu, L Meng	<a href="#">The analysis of catchment areas of metro stations using trajectory data generated by dockless shared bikes*</a>	Planning
J Kim, B Lee	<a href="#">More than travel time: New accessibility index capturing the connectivity of transit services*</a>	Planning
A Evans, P Hughes	<a href="#">Traverses, delays and fatalities at railway level crossings in Great Britain*</a>	Planning
R Scarinci, A Zanarini, M Bierlaire	<a href="#">Electrification of urban mobility: The case of catenary-free buses*</a>	Planning
X Pi, W Ma, Z Qian	<a href="#">A general formulation for multi-modal dynamic traffic assignment considering multi-class vehicles, public transit and parking*</a>	Planning
E Grisé, G Boisjoly, M Maguire, A El-Geneidy	<a href="#">Elevating access: Comparing accessibility to jobs by public transport for individuals with and without a physical disability*</a>	Planning
R Camporeale, L Caggiani, M Ottomanelli	<a href="#">Modeling horizontal and vertical equity in the public transport design problem: A case study*</a>	Planning
J Allen, J Muñoz, J Rosell	<a href="#">Effect of a major network reform on bus transit satisfaction*</a>	Planning
M Nikolić, D Teodorović	<a href="#">Mitigation of disruptions in public transit by Bee Colony Optimization*</a>	Planning
J Klopp, C Cavoli	<a href="#">Mapping minibuses in Maputo and Nairobi: engaging paratransit in transportation planning in African cities*</a>	Planning

Y Yuan, M Yang, J Wu, S Rasouli, D Lei	<a href="#">Assessing bus transit service from the perspective of elderly passengers in Harbin, China*</a>	Planning
J Zhou, E Murphy, Y Long	<a href="#">Commuting Efficiency Gains: Assessing Different Transport Policies with New Indicators*</a>	Planning
A Downward, S Chowdhury, C Jayalath	<a href="#">An investigation of route-choice in integrated public transport networks by risk-averse users*</a>	Ridership
<b>L Schmitt, A Delbosc, G Currie</b>	<a href="#">Learning to use transit services: adapting to unfamiliar transit travel*</a>	<b>Ridership</b>
R Schneider, L Hu, J Stefanich	<a href="#">Development of a neighborhood commute mode share model using nationally-available data*</a>	Ridership
K Ralph, A Brown	<a href="#">The role of habit and residential location in travel behavior change programs, a field experiment*</a>	Ridership
Z Al-Ayyash, M Abou-Zeid	<a href="#">Investigating commute satisfaction differences of private car users and public transport users in a developing country context*</a>	Ridership
J Kligen	<a href="#">Do metro interruptions increase the demand for public rental bicycles? Evidence from Paris*</a>	Ridership
D Ton, D Duives, O Cats, S Hoogendoorn-Lanser, S Hoogendoorn	<a href="#">Cycling or walking? Determinants of mode choice in the Netherlands*</a>	Ridership
Y Zhang, E Yao, R Zhang, H Xu	<a href="#">Analysis of elderly people's travel behaviours during the morning peak hours in the context of the free bus programme in Beijing, China*</a>	Ridership
F Shao, Y Sui, X Yu, R Sun	<a href="#">Spatio-temporal travel patterns of elderly people – A comparative study based on buses usage in Qingdao, China*</a>	Ridership
H Younes, A Nasri, G Baiocchi, L Zhang	<a href="#">How transit service closures influence bikesharing demand: lessons learned from SafeTrack project in Washington, D.C. metropolitan area*</a>	Ridership
D Deka, D Fei	<a href="#">A comparison of the personal and neighborhood characteristics associated with ridesourcing, transit use, and driving with NHTS data*</a>	Ridership
<b>A Delbosc, N McDonald, G Stokes, K Lucas, G Circella, Y Lee</b>	<a href="#">Millennials in cities: Comparing travel behaviour trends across six case study regions*</a>	<b>Ridership</b>
H Qin, J Gao, Y Wu, H Yan	<a href="#">Analysis on context change and repetitive travel mode choices based on a dynamic, computational model*</a>	Ridership
H Masoumi	<a href="#">A discrete choice analysis of transport mode choice causality and perceived barriers of sustainable mobility in the MENA region*</a>	Ridership
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M Sheng, B Sharp	<a href="#">Aggregate road passenger travel demand in New Zealand: A seemingly unrelated regression approach*</a>	Ridership
M Rahman, S Yasmin, N Eluru	<a href="#">Examining determinants of rail ridership: a case study of the Orlando SunRail system*</a>	Ridership
Z Li, S Ren, N Hu, Y Liu, Z Qin, R Goh, L Hou, B Veeravalli	<a href="#">Equality of public transit connectivity: the influence of mass rapid transit services on individual buildings for Singapore*</a>	Land use
A Nelson, P Stoker, R Hibberd	<a href="#">Light rail transit and economic recovery: A case of resilience or transformation?*</a>	Land use
S González, A Loukaitou-Sideris, K Chapple	<a href="#">Transit neighborhoods, commercial gentrification, and traffic crashes: Exploring the linkages in Los Angeles and the Bay Area*</a>	Land use
C Ding, X Cao, C Liu	<a href="#">How does the station-area built environment influence Metrorail ridership? Using gradient boosting decision trees to identify non-linear thresholds*</a>	Land use
D Jeffrey, C Boulangé, B Giles-Corti, S Washington, L Gunn	<a href="#">Using walkability measures to identify train stations with the potential to become transit oriented developments located in walkable neighbourhoods*</a>	Land use
Y Ke, K Gkritza	<a href="#">Light rail transit and housing markets in Charlotte-Mecklenburg County, North Carolina: Announcement and operations effects using quasi-experimental methods*</a>	Land use
Y Pan, S Chen, T Li, S Niu, K Tang	<a href="#">Exploring spatial variation of the bus stop influence zone with multi-source data: A case study in Zhenjiang, China*</a>	Land use
J Renne, D Listokin	<a href="#">The opportunities and tensions of historic preservation and transit oriented development (TOD)*</a>	Land use
R Cordera, P Coppola, L dell'Olio, Á Ibeas	<a href="#">The impact of accessibility by public transport on real estate values: A comparison between the cities of Rome and Santander*</a>	Land use



T Gu, I Kim, G Currie	<a href="#">Measuring immediate impacts of a new mass transit system on an existing bike-share system in China*</a>	Land use
K Gkiotsalitis, O Cats	<a href="#">Multi-constrained bus holding control in time windows with branch and bound and alternating minimization*</a>	Operations
D Li, T Zhang, X Dong, Y Yin, J Cao	<a href="#">Trade-off between efficiency and fairness in timetabling on a single urban rail transit line under time-dependent demand condition*</a>	Operations
S Liang, M Ma, S He, H Zhang, P Yuan	<a href="#">Coordinated control method to self-equalize bus headways: an analytical method*</a>	Operations
G Laskaris, O Cats, E Jenelius, M Rinaldi, F Viti	<a href="#">Multiline holding based control for lines merging to a shared transit corridor*</a>	Operations
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A Islam, N Lownes	<a href="#">When to go electric? A parallel bus fleet replacement study*</a>	Infrastructure
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L Li, H Lo, F Xiao	<a href="#">Mixed bus fleet scheduling under range and refueling constraints*</a>	Infrastructure
R Camporeale, L Caggiani, A Fonzone, M Ottomanelli	<a href="#">Study of the accessibility inequalities of cordon-based pricing strategies using a multimodal Theil index*</a>	Policy
M Cao, R Hickman	<a href="#">Urban transport and social inequities in neighbourhoods near underground stations in Greater London*</a>	Policy
D Ashmore, D Pojani, R Thoreau, N Christie, N Tyler	<a href="#">Gauging differences in public transport symbolism across national cultures: implications for policy development and transfer*</a>	Policy
N Pavón, L Rizzi	<a href="#">Road infrastructure and public bus transport service provision under different funding schemes: A simulation analysis*</a>	Policy
M Dziauddin	<a href="#">Estimating land value uplift around light rail transit stations in Greater Kuala Lumpur: An empirical study based on geographically weighted regression (GWR)*</a>	Economics
L Yang, K Chau, X Chu	<a href="#">Accessibility-based premiums and proximity-induced discounts stemming from bus rapid transit in China: Empirical evidence and policy implications*</a>	Economics
B Schmid, S Jokubauskaite, F Aschauer, S Peer, R Hössinger, R Gerike, S Jara-Diaz, K Axhausen	<a href="#">A pooled RP/SP mode, route and destination choice model to investigate mode and user-type effects in the value of travel time savings*</a>	Economics
F Wang, C Ross	<a href="#">New potential for multimodal connection: exploring the relationship between taxi and transit in New York City (NYC)*</a>	Mode
R Zhang, E Yao, L Pan	<a href="#">Optimizing EV-based P&amp;R subsidy policies for commuting corridor based on cross-nested logit model*</a>	Mode
J Tyndall	<a href="#">Free-floating carsharing and extemporaneous public transit substitution*</a>	Mode
C Nash, A Smith, Y Crozet, H Link, J Nilsson	<a href="#">How to liberalise rail passenger services? Lessons from european experience*</a>	Organisation
M Fuentes, L Cadarso, Á Marín	<a href="#">A hybrid model for crew scheduling in rail rapid transit networks*</a>	Organisation
F Hirschhorn, W Veeneman, D van de Velde	<a href="#">Organisation and performance of public transport: A systematic cross-case comparison of metropolitan areas in Europe, Australia, and Canada*</a>	Organisation
X Luo, Y Liu, Y Yu, J Tang, W Li	<a href="#">Dynamic bus dispatching using multiple types of real-time information*</a>	Technology
J Broach, J Dill, N McNeil	<a href="#">Travel mode imputation using GPS and accelerometer data from a multi-day travel survey*</a>	Technology



F Canitez	<a href="#">Urban public transport systems from new institutional economics perspective: a literature review*</a>	Literature review
R Cascajo, E Lopez, F Herrero, A Monzon	<a href="#">User perception of transfers in multimodal urban trips: A qualitative study*</a>	Literature review

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