



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

2-2019

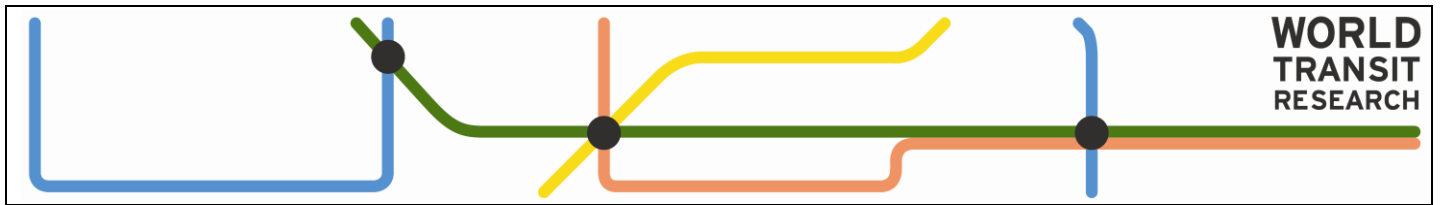
World Transit Research February 2019 Newsletter

Institute of Transport Studies Monash University

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World Transit Research February 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 7,129 research reports/papers. Some 57 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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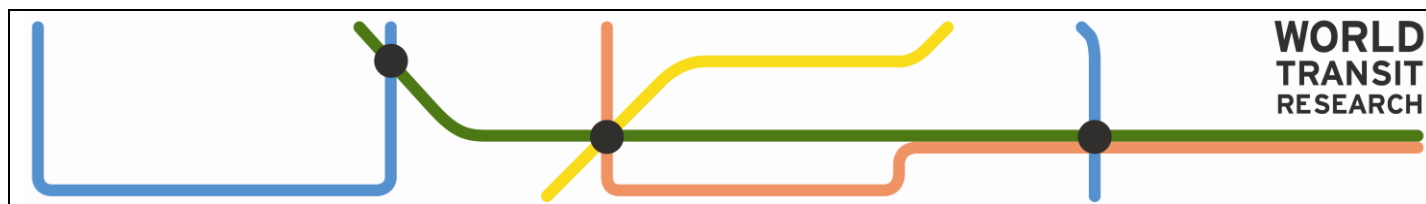
SUGGESTIONS WELCOMED

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

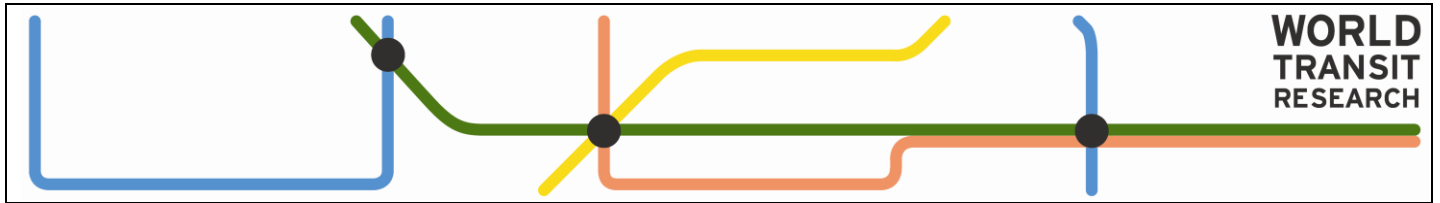
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WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
K Gkiotsalitis, Z Wu, O Cats	A cost-minimization model for bus fleet allocation featuring the tactical generation of short-turning and interlining options*	Planning
P Anciaes, P Metcalfe, C Heywood, R Sheldon	The impact of fare complexity on rail demand*	Planning
C Zhang, Y Liu, W Lu, G Xiao	Evaluating passenger satisfaction index based on PLS-SEM model: Evidence from Chinese public transport service*	Planning
S Chakrabarti, G Painter	Geographic mobility of recent immigrants and urban transit demand in the U.S.: New evidence and planning implications*	Planning
E Ben-Elia, I Benenson	A spatially-explicit method for analyzing the equity of transit commuters' accessibility*	Planning
J Allen, S Farber	Sizing up transport poverty: A national scale accounting of low-income households suffering from inaccessibility in Canada, and what to do about it*	Planning
Kayleigh Campbell, J Rising, J Klopp, J Mbilo	Accessibility across transport modes and residential developments in Nairobi*	Planning
W Hua, G Ong	Effect of information contagion during train service disruption for an integrated rail-bus transit system*	Planning
P van der Waerden, E Couwenberg, G Wets	Travelers' preferences regarding the interior of public buses: a hierarchical information integration approach	Planning
A Charisis, C Iliopoulou, K Kepaptsoglou	DRT route design for the first/last mile problem: model and application to Athens, Greece*	Planning
L Moccia, D Allen, E Bruun	A technology selection and design model of a semi-rapid transit line*	Planning
S Jara-Díaz, A Gschwender, C Bravo	Total cost minimizing transit route structures considering trips towards CBD and periphery*	Planning
X Liu, R Porter, M Zlatkovic, K Fayyaz, J Taylor	First and Last Mile Assessment for Transit Systems	Planning
M Dickens, L Shaum	Public Transit Is Key Strategy in Advancing Vision Zero, Eliminating Traffic Fatalities	Planning
C De Gruyter, G Currie, L Truong, F Naznin	A meta-analysis and synthesis of public transport customer amenity valuation research*	Planning
B Tomhave, Y Zhang, A Khani, J Hourdos, P Dirks, J Olsson, T Tao, X Wu, J Cao	After Study of the Bus Rapid Transit A Line Impacts	Planning
M Conway, A Byrd, M van Eggermond	Accounting for uncertainty and variation in accessibility metrics for public transport sketch planning	Planning
P Horbachov, S Svichynskiy	Theoretical substantiation of trip length distribution for home-based work trips in urban transit systems	Planning
S Najafabadi, A Hamidi, M Allahviranloo, N Devineni	Does demand for subway ridership in Manhattan depend on the rainfall events?*	Ridership
R Ghimire, C Lancelin	The relationship between financial incentives provided by employers and commuters' decision to use transit: Results from the Atlanta Regional Household Travel Survey*	Ridership
B Cui, G Boisjoly, A El-Geneidy, D Levinson	Accessibility and the journey to work through the lens of equity*	Ridership
P Sahu, G Sharma, A Guharoy	Commuter travel cost estimation at different levels of crowding in a suburban rail system: a case study of Mumbai*	Ridership
H Strömberg, I Karlsson, J Sochor	Inviting travelers to the smorgasbord of sustainable urban transport: evidence from a MaaS field trial	Ridership
S Pike, M Lubell	The conditional effects of social influence in transportation mode choice*	Ridership
S Wang, W Zhang, X Qu	Trial-and-error train fare design scheme for addressing boarding/alighting congestion at CBD stations*	Ridership
A Loder, W Axhausen	Mobility tools and use: Accessibility's role in Switzerland	Ridership
D Deka	Are millennials moving to more urbanized and transit-oriented counties?	Ridership



Y Zhang, W Wu, Q He, C Li	Public transport use among the urban and rural elderly in China: Effects of personal, attitudinal, household, social-environment and built-environment factors	Ridership
R Ewing, G Tian, K Park, S Sabouri, P Stinger, D Proffitt	Comparative case studies: trip and parking generation at Orenco Station TOD, Portland Region and Station Park TAD, Salt Lake City Region*	Land use
A Nigro, L Bertolini, F Moccia	Land use and public transport integration in small cities and towns: Assessment methodology and application*	Land use
W Xu, L Yang	Evaluating the urban land use plan with transit accessibility*	Land use
Z Li	The impact of metro accessibility on residential property values: An empirical analysis*	Land use
D Baker, B Lee	How Does Light Rail Transit (LRT) Impact Gentrification? Evidence from Fourteen US Urbanized Areas*	Land use
G Currie, C De Gruyter	Exploring links between the sustainability performance of urban public transport and land use in international cities	Land use
Z Pengjun, L Shengxiao	Suburbanization, land use of TOD and lifestyle mobility in the suburbs: An examination of passengers' choice to live, shop and entertain in the metro station areas of Beijing	Land use
R Huang, A Grigolon, M Madureira, M Brussel	Measuring transit-oriented development (TOD) network complementarity based on TOD node typology	Land use
T Stojanovski	How density, diversity, land use and neighborhood type influences bus mobility in the Swedish city of Karlstad: Mixing spatial analytic and typomorphological approaches to assess the indirect effect of urban form on travel	Land use
J Arranz, M Burguillo, J Rubio	Subsidisation of public transport fares for the young: An impact evaluation analysis for the Madrid Metropolitan Area*	Policy
P Zhao, Y Zhang	The effects of metro fare increase on transport equity: New evidence from Beijing*	Policy
A Yeganeh, R Hall, A Pearce, S Hankey	A social equity analysis of the U.S. public transportation system based on job accessibility	Policy
A Guthrie, F Burga, Y Fan	Collaboration in mitigating spatial and skills mismatch: Exploring shared understandings between transit planners and workforce professionals	Policy
Y Song, D Noyce	Effects of transit signal priority on traffic safety: Interrupted time series analysis of Portland, Oregon, implementations*	Infrastructure
Q Miao, E Welch, P Sriraj	Extreme weather, public transport ridership and moderating effect of bus stop shelters	Infrastructure
M Levin, A Khani	Dynamic transit lanes for connected and autonomous vehicles*	Infrastructure
X Liu, M Zlatkovic, R Porter, K Fayyaz, S Yu	Improving Efficiency and Reliability of Bus Rapid Transit	Infrastructure
X Zhao, P Chen, J Jiao, X Chen, C Bischak	How does 'park and ride' perform? An evaluation using longitudinal data*	Mode
M Ransom	The effect of light rail transit service on nearby property values: Quasi-experimental evidence from Seattle	Mode
K Bertolaccini	An analysis of changes to transit accessibility and equity after the opening of a bus rapid transit system in Hartford, Connecticut	Mode
M Yap, D Luo, O Cats, N van Oort, S Hoogendoorn	Where shall we sync? Clustering passenger flows to identify urban public transport hubs and their key synchronization priorities*	Operations
Y Ji, Y Tang, Y Du, X Zhang	Coordinated optimization of tram trajectories with arterial signal timing resynchronization*	Operations
Y Chen, B Mao, Y Bai, T Ho, Z Li	Timetable synchronization of last trains for urban rail networks with maximum accessibility*	Operations
Z Song, Z Liu, Y He	Optimal Deployment of Wireless Charging Facilities for an Electric Bus System	Technology
S Cheon, C Lee, S Shin	Data-driven stochastic transit assignment modeling using an automatic fare collection system*	Technology
Y Xiao, H Zhong, T Zhou, Y Zhou	Rail transit development in lagging regions: A development-oriented investment and financing approach	Economics
J Zhao, C Li, R Zhang, M Palmer	Cost of an urban rail ride: A nation-level analysis of ridership, capital costs and cost-effectiveness performance of urban rail transit projects in China	Economics



S Molander	Changing roles and new perspectives: towards market orientation in public transport*	Organisation
N Dadashzadeh, M Ergun	Spatial bus priority schemes, implementation challenges and needs: an overview and directions for future studies*	Literature Review

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