



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

12-2015

World Transit Research December 2015 Newsletter

Institute of Transport Studies Monash University

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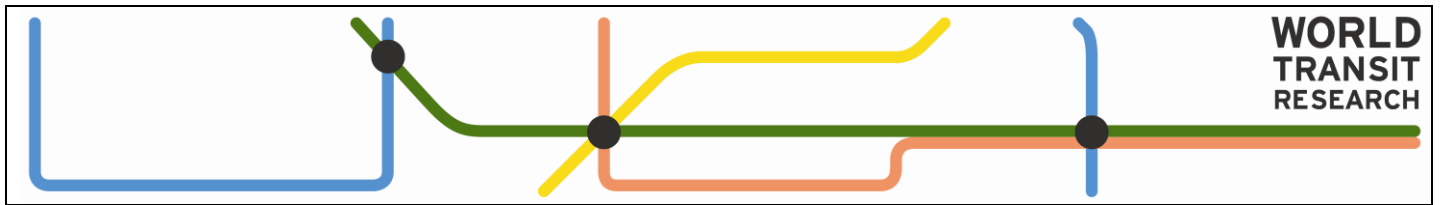
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MONASH University



World Transit Research

December 2015 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.

WTR BREAKING NEWS!!!!

The World Transit Research Clearinghouse is run by the Public Transport Research Group (PTRG) at Monash University. WTR has just launched a new website describing the team, our aims and our research focus. Check it out at:

www.PTRG.Info

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 5,713 research reports/papers. Some 64 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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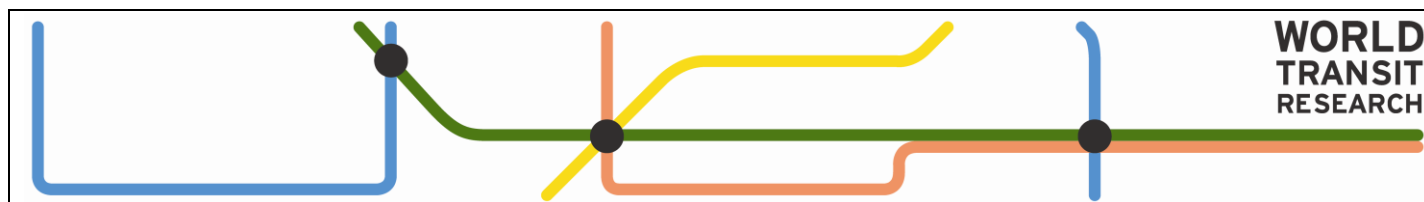
JOURNAL SUBSCRIPTIONS

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

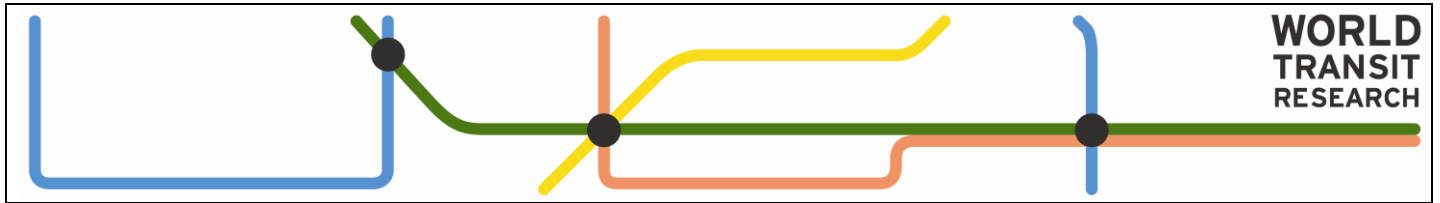
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WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	DATE
M Venigalla, A Faghri	A Quick-Response Discrete Transit-Share Model for Transit-Oriented Developments	2015
S Hernandez, A Monzon	Key factors for defining an efficient urban transport interchange: Users' perceptions*	2016
M Chao, W Huang, R Jou	The asymmetric effects of gasoline prices on public transportation use in Taiwan*	2015
P Alpkokin, S T Kiremitci, J A Black, S Cetinavci	LRT and street tram policies and implementation in turkish cities*	2015
F Naznin, G Currie, D Logan, M Sarvi	Safety impacts of platform tram stops on pedestrians in mixed traffic operation: A comparison group before–after crash study*	2016
E Cascetta, P Coppola	Assessment of schedule-based and frequency-based assignment models for strategic and operational planning of high-speed rail services*	2015
M Banar, A Özdemir	An evaluation of railway passenger transport in Turkey using life cycle assessment and life cycle cost methods*	2015
H Ma, H Xie, D Huang, S Xiong	Effects of driving style on the fuel consumption of city buses under different road conditions and vehicle masses*	2015
S Feng, Z Li, Y Ci, G Zhang	Risk factors affecting fatal bus accident severity: Their impact on different types of bus drivers*	2016
C Zhang, Z Juan, Q Luo, G Xiao	Performance evaluation of public transit systems using a combined evaluation method*	2016
M Filippini, M Koller, G Masiero	Competitive tendering versus performance-based negotiation in Swiss public transport*	2015
X Dou, Q Meng, X Guo	Bus schedule coordination for the last train service in an intermodal bus-and-train transport network*	2015
J Beaudoin, Y H Farzin, C C Lin Lawell	Public transit investment and sustainable transportation: A review of studies of transit's impact on traffic congestion and air quality*	2015
T Li, J Dodson, N Sipe	Differentiating metropolitan transport disadvantage by mode: Household expenditure on private vehicle fuel and public transport fares in Brisbane, Australia*	2015
L Rayle, D Dai, N Chan, R Cervero, S Shaheen	Just a better taxi? A survey-based comparison of taxis, transit, and ridesourcing services in San Francisco*	2016
M M Nesheli, A Ceder	Improved reliability of public transportation using real-time transfer synchronization*	2015
Y Bie, X Gong, Z Liu	Time of day intervals partition for bus schedule using GPS data*	2015
J Xiong, Z He, W Guan, B Ran	Optimal timetable development for community shuttle network with metro stations*	2015
J G Jin, L Lu, L Sun, J Yin	Optimal allocation of protective resources in urban rail transit networks against intentional attacks*	2015
A Jamili, M P Aghaee	Robust stop-skipping patterns in urban railway operations under traffic alteration situation*	2015
G F Ulfarsson, A Steinbrenner, T Valsson, S Kim	Urban household travel behavior in a time of economic crisis: Changes in trip making and transit importance*	2015
L Li, H K Lo, X Cen	Optimal bus fleet management strategy for emissions reduction*	2015
S Baker, C Zhong, D Taylor, W F Scott, R Plante	Labor–Management Partnerships for Public Transportation Volume 1: Toolkit	2015
S Saxe, H Cruickshank, E Miller	Greenhouse Gas Impact of Ridership on Sheppard Subway Line, Toronto, Canada*	2015
M J Nahlik, M V Chester	Policy Making Should Consider Time-Dependent Greenhouse Gas Benefits of Transit-Oriented Smart Growth*	2015
T Bjørner	Time Use on Trains: Media Use/Non-use and Complex Shifts in Activities*	2015
C M Werner, B B Brown, C P Tribby, D Tharp, K Flick, H J Miller, K R Smith, W Jensen	Evaluating the attractiveness of a new light rail extension: Testing simple change and displacement change hypotheses*	2016
S Chakrabarti	The demand for reliable transit service: New evidence using stop level data	2015

	from the Los Angeles Metro bus system*	
K Fransen, T Neutens, S Farber, P De Maeyer, G Deruyter, F Witlox	Identifying public transport gaps using time-dependent accessibility levels*	2015
X Cao	Heterogeneous effects of neighborhood type on commute mode choice: An exploration of residential dissonance in the Twin Cities*	2015
S Ahmad, R Avtar, M Sethi, A Surjan	Delhi's land cover change in post transit era*	2016
H Chen, W Gu, M J Cassidy, C F Daganzo	Optimal transit service atop ring-radial and grid street networks: A continuum approximation design method and comparisons*	2015
M Alexander, K Hamilton	A 'placeful' station? The community role in place making and improving hedonic value at local railway stations*	2015
J Huang, D M Levinson	Circuitry in urban transit networks*	2015
J Argote-Cabanero, C F Daganzo, J W Lynn	Dynamic control of complex transit systems*	2015
E Jenelius, O Cats	The value of new public transport links for network robustness and redundancy*	2015
A J Kotz, D B Kittelson, W F Northrop	Novel Vehicle Mass-Based Automated Passenger Counter for Transit Applications*	2015
S Hernandez, A Monzon, R de Oña	Urban transport interchanges: A methodology for evaluating perceived quality*	2015
R D Knowles, F Ferbrache	Evaluation of wider economic impacts of light rail investment on cities*	2015
M Goerigk	Exact and heuristic approaches to the robust periodic event scheduling problem*	2015
S Mishra, T F Welch, P M Torrens, C Fu, H Zhu, E Knaap	A tool for measuring and visualizing connectivity of transit stop, route and transfer center in a multimodal transportation network*	2015
M Bagherian, M Mesbah, L Ferreira	Using delay functions to evaluate transit priority at signals*	2015
A Imaz, K M N Habib, A Shalaby, A O Idris	Investigating the factors affecting transit user loyalty*	2015
R Widanapathirane, J M Bunker, A Bhaskar	Modelling the BRT station capacity and queuing for all stopping busway operation*	2015
İ Ö Verbas, C Frei, H S Mahmassani, R Chan	Stretching resources: sensitivity of optimal bus frequency allocation to stop-level demand elasticities*	2015
F Qiu, W Li, A Haghani	An exploration of the demand limit for flex-route as feeder transit services: a case study in Salt Lake City*	2015
A Ickowicz, R Sparks	Estimation of an origin/destination matrix: application to a ferry transport data*	2015
Y Liu, C Cirillo	Measuring transit service impacts on vehicle ownership and use*	2015
L Eboli, G Mazzulla	Relationships between rail passengers' satisfaction and service quality: a framework for identifying key service factors*	2015
N Duduta, C Adriaola, D Hidalgo, L A Lindau, R Jaffe	Traffic safety in surface public transport systems: a synthesis of research*	2015
N Kronprasert, A Talvitie	Use of reasoning maps in evaluation of transport alternatives: inclusion of uncertainty and "I Don't Know": demonstration of a method*	2015
B D Taylor, E A Morris	Public transportation objectives and rider demographics: are transit's priorities poor public policy?*	2015
M Manville, B Cummins	Why do voters support public transportation? Public choices and private behavior*	2015
N Nassir, M Hickman, Z Ma	Activity detection and transfer identification for public transit fare card data*	2015
R Buehler, A Hamre	The multimodal majority? Driving, walking, cycling, and public transportation use among American adults*	2015
I Kaddoura, B Kickhöfer, A Neumann, A Tirachini	Agent-based optimisation of public transport supply and pricing: impacts of activity scheduling decisions and simulation randomness*	2015
R Paleti, P Vovsha, D Givon, Y Birotker	Impact of individual daily travel pattern on value of time*	2015
A M Pnevmatikou, M G Karlaftis, K Kepaptsoglou	Metro service disruptions: how do people choose to travel?*	2015
L Moccia, G Laporte	Improved models for technology choice in a transit corridor with fixed demand*	2015
D A Rodriguez, E Vergel-Tovar, W F Camargo	Land development impacts of BRT in a sample of stops in Quito and Bogotá*	2015
W Shen, W Xiao, X Wang	Passenger satisfaction evaluation model for Urban rail transit: A structural equation modeling based on partial least squares*	2016



D Yook, K Heaslip	The effect of crowding on public transit user travel behavior in a large-scale public transportation system through modeling daily variations*	2015
P Guarda, P Galilea, L Paget-Seekins, J de Dios Ortúzar	What is behind fare evasion in urban bus systems? An econometric approach*	2015
S Tamblay, P Galilea, P Iglesias, S Raveau, J C Muñoz	A zonal inference model based on observed smart-card transactions for Santiago de Chile*	2015

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