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World Transit Research Newsletter

8-2016

World Transit Research August 2016 Newsletter

Institute of Transport Studies Monash University

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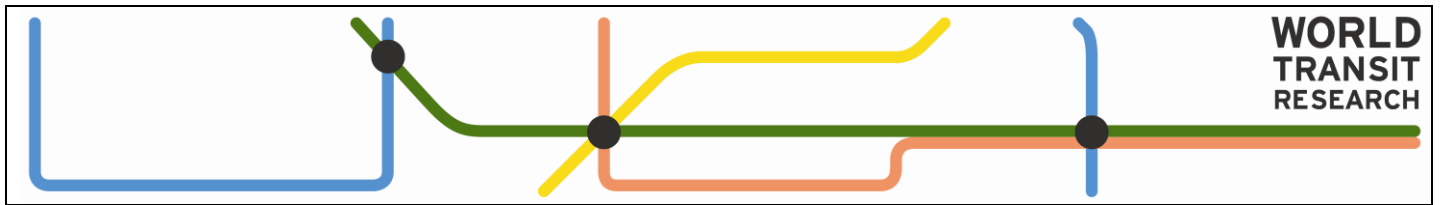
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MONASH University



World Transit Research August 2016 Newsletter

<http://www.worldtransitresearch.info>

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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.

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NEW ADDITIONS

World Transit Research clearinghouse now includes some 6,002 research reports/papers. Some 83 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.

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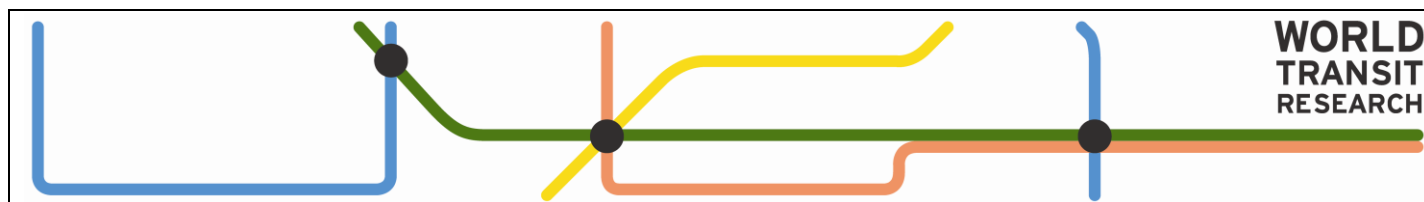
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If you have any queries or suggestions on how to improve our publication, we would love to hear from you at:
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WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
Z Christoforou, E Corbillé, N Farhi, F Leurent	Managing Planned Disruptions of Mass Transit Systems*	Planning
T Liu, A Ceder	Communication-Based Cooperative Control Strategy for Public Transport Transfer Synchronization*	Planning
E R A Davanzo, A O Idris	Demand-Sensitive Candidate Route Generation Algorithm*	Planning
Q N La, D V Duong, A H Lee, L B Meuleners	Factors underlying bus-related crashes in Hanoi, Vietnam*	Planning
J Liu, X Zhou	Capacitated transit service network design with boundedly rational agents*	Planning
W Gu, Z Amini, M J Cassidy	Exploring alternative service schemes for busy transit corridors*	Planning
H M Repolho, R L Church, A P Antunes	Optimizing station location and fleet composition for a high-speed rail line*	Planning
Ö Verbas, H S Mahmassani, M F Hyland	Gap-based transit assignment algorithm with vehicle capacity constraints: Simulation-based implementation and large-scale application*	Planning
H Badia, M Estrada, F Robusté	Bus network structure and mobility pattern: A monocentric analytical approach on a grid street layout*	Planning
S P Blainey, J Armstrong, A S J Smith, J M Preston	New routes on old railways: increasing rail's mode share within the constraints of the existing railway network*	Planning
J de Oña, R de Oña, G López	Transit service quality analysis using cluster analysis and decision trees: a step forward to personalized marketing in public transportation*	Planning
J U Becker, S Albers	The limits of analyzing service quality data in public transport*	Planning
P Kecman, R M P Goverde	Predictive modelling of running and dwell times in railway traffic*	Planning
P Cuniasse, C Buisson, J Rodriguez, E Teboul, D de Almeida	Analyzing railroad congestion in a dense urban network through the use of a road traffic network fundamental diagram concept*	Planning
L H P Yaya, M F Fortià, C S Canals, F Marimon	Service quality assessment of public transport and the implication role of demographic characteristics*	Planning
J Barnes, A Morris, R Welsh, S Summerskill, R Marshall, D Kendrick, P Logan, A Drummond, S Conroy, B Fildes, J Bell	Injuries to older users of buses in the UK*	Planning
W Klumpenhower, S C Wirasinghe	Cost-of-crowding model for light rail train and platform length*	Planning
C Wang, Z Ye, Y Wang, Y Xu, W Wang	Modeling Bus Dwell Time and Time Lost Serving Stop in China	Planning
J Wu, M Yang, S Rasouli, C Xu	Exploring Passenger Assessments of Bus Service Quality Using Bayesian Networks	Planning
J S Shah, B Adhvaryu	Public Transport Accessibility Levels for Ahmedabad, India	Planning
K Lättman, L E Olsson, M Friman	Development and test of the Perceived Accessibility Scale (PAC) in public transport*	Planning
X Yang, A Chen, B Ning, T Tang	A stochastic model for the integrated optimization on metro timetable and speed profile with uncertain train mass*	Planning
A Ortegon-Sanchez, N Tyler	Towards multi-modal integrated mobility systems: Views from Panama City and Barranguilla*	Planning
S Sadhukhan, U K Banerjee, B Maitra	Commuters' willingness-to-pay for improvement of transfer facilities in and around metro stations – A case study in Kolkata*	Ridership
X Fu, Z Juan	Empirical analysis and comparisons about time-allocation patterns across segments based on mode-specific preferences*	Ridership
T Klinger, M Lanzendorf	Moving between mobility cultures: what affects the travel behavior of new residents?*	Ridership
M Abou-Zeid, S Fujii	Travel satisfaction effects of changes in public transport usage*	Ridership
M Daldoul, S Jarbouï, A Dakhlaoui	Public transport demand: dynamic panel model analysis*	Ridership
J Baek, K Sohn	An investigation into passenger preference for express trains during peak hours*	Ridership
J De Vos, P L Mokhtarian, T Schwanen, V Van Acker, F Witlox	Travel mode choice and travel satisfaction: bridging the gap between decision utility and experienced utility*	Ridership
M Yazdanpanah, M H Hosseinlou	The influence of personality traits on airport public transport access mode choice: A hybrid latent class choice modeling approach*	Ridership

A S Mikhaylov, I S Gumenuk, A A Mikhaylova	Russian public transport system: the customers' feedback on the service provision*	Ridership
A Hughes, K Mee, A Tyndall	'Super simple stuff?': crafting quiet in trains between Newcastle and Sydney*	Ridership
L Koefoed, M D Christensen, K Simonsen	Mobile encounters: bus 5A as a cross-cultural meeting place*	Ridership
A Delbosc, G Currie	Cluster analysis of fare evasion behaviours in Melbourne, Australia*	Ridership
D Zhang, J Schmöcker, S Fujii, X Yang	Social norms and public transport usage: empirical study from Shanghai*	Ridership
J M Barajas, D G Chatman, A W Agrawal	Exploring Bicycle and Public Transit Use by Low-Income Latino Immigrants: A Mixed-Methods Study in the San Francisco Bay Area	Ridership
S Tao, J Corcoran, M Hickman, R Stimson	The influence of weather on local geographical patterns of bus usage*	Ridership
B Clark, K Chatterjee, S Melia	Changes to commute mode: The role of life events, spatial context and environmental attitude	Ridership
Y Jiang, W Y Szeto	Reliability-based stochastic transit assignment: Formulations and capacity paradox	Operations
D Canca, E Barrena, A De-Los-Santos, J L Andrade-Pineda	Setting lines frequency and capacity in dense railway rapid transit networks with simultaneous passenger assignment*	Operations
L Kang, X Zhu, H Sun, J Puchinger, M Ruthmair, B Hu	Modeling the first train timetabling problem with minimal missed trains and synchronization time differences in subway networks*	Operations
S D Gupta, J K Tobin, L Pavel	A two-step linear programming model for energy-efficient timetables in metro railway networks*	Operations
M Kümmeling, P Großmann, K Nachtigall, J Opitz, R Weiß	A state-of-the-art realization of cyclic railway timetable computation*	Operations
N van Oort, D I Sparing, T Brands, R M P Goverde	Data driven improvements in public transport: the Dutch example*	Operations
C Stewart, A El-Geneidy	Don't stop just yet! A simple, effective, and socially responsible approach to bus-stop consolidation*	Operations
O Ullrich, D Lückerath, E Speckenmeyer	Do regular timetables help to reduce delays in tram networks? It depends!*	Operations
P Wang, R M P Goverde	Multiple-phase train trajectory optimization with signalling and operational constraints*	Operations
H Li, H Tu, D A Hensher	Integrating the mean-variance and scheduling approaches to allow for schedule delay and trip time variability under uncertainty*	Operations
M Batarce	Estimation of urban bus transit marginal cost without cost data*	Operations
X Liang, G H A Correia, B van Arem	Optimizing the service area and trip selection of an electric automated taxi system used for the last mile of train trips	Operations
J Yin, T Tang, L Yang, Z Gao, B Ran	Energy-efficient metro train rescheduling with uncertain time-variant passenger demands: An approximate dynamic programming approach*	Operations
P C Bouman, L Kroon, P Vervest, G Maróti	Capacity, information and minority games in public transport*	Operations
R Chen, L Nozick	Integrating congestion pricing and transit investment planning*	Economics
J M Sarriera, F P Salvucci	Rising Costs of Transit and Baumol's Cost Disease*	Economics
J Murakami, Y Matsui, H Kato	Airport rail links and economic productivity: Evidence from 82 cities with the world's 100 busiest airports*	Economics
M Beaud, T Blayac, M Stéphan	The impact of travel time variability and travelers' risk attitudes on the values of time and reliability*	Economics
M de Lapparent, M Koning	Analyzing time sensitivity to discomfort in the Paris subway: an interval data model approach*	Economics
A Ayadi, S Hammami	Analysis of the technological features of regional public transport companies: the Tunisian case*	Economics
N van Oort	Incorporating enhanced service reliability of public transport in cost-benefit analyses	Economics
H Zhong, W Li	Rail transit investment and property values: An old tale retold*	Economics
H O Tezcan, G Aksoy, M Elmorssy, S C Tanriverdi	Dear Driver, Could You Enter the Bus Bay Properly?*	Infrastructure
K Pavkova, G Currie, A Delbosc, M Sarvi	Selecting tram links for priority treatments - The Lorenz Curve approach*	Infrastructure
S I Guler, M Menendez	Pre-signals for bus priority: basic guidelines for implementation*	Infrastructure
W Feng, M Figliozzi, R L Bertini	Quantifying the joint impacts of stop locations, signalized intersections, and traffic conditions on bus travel time*	Infrastructure
J Qi, L Yang, Y Gao, S Li, Z Gao	Integrated multi-track station layout design and train scheduling models on railway corridors*	Infrastructure

F S Häseler, M Bierlaire, R Scarinci	Assessing the usage and level-of-service of pedestrian facilities in train stations: A Swiss case study*	Infrastructure
R Mu, M de Jong	A network governance approach to transit-oriented development: Integrating urban transport and land use policies in Urumqi, China*	Land use
J Liu, J Quan, B Yan, C He	Urban rail investment and transit-oriented development in Beijing: Can it reach a higher potential?*	Land use
X Huang, X Cao, X Cao, J Yin	How does the propensity of living near rail transit moderate the influence of rail transit on transit trip frequency in Xi'an?*	Land use
M R Ransom, T Kelemen	The impact of light rail on congestion in Denver: A reappraisal*	Land use
C Mulley, L Ma, G Clifton, B Yen, M Burke	Residential property value impacts of proximity to transport infrastructure: An investigation of bus rapid transit and heavy rail networks in Brisbane, Australia*	Land use
S Hong, Y Min, M Park, K M Kim, S M Oh	Precise estimation of connections of metro passengers from Smart Card data*	Technology
S Yang, Y Wu, B Marion, I E Moses	Identification of transit farebox data errors: impacts on transit planning*	Technology
J Hu, B B Park, Y Lee	Transit signal priority accommodating conflicting requests under Connected Vehicles technology*	Technology
B Ke, C Chung, Y Chen	Minimizing the costs of constructing an all plug-in electric bus transportation system: A case study in Penghu*	Technology
H Deng, Y Li, W Li, Y Yu	Urban transport social needs in China: Quantification with central government transit grant*	Policy
N U Serulle, C Cirillo	Transportation needs of low income population: a policy analysis for the Washington D.C. metropolitan region*	Policy
S Ahmad, J A Puppim de Oliveira	Determinants of urban mobility in India: Lessons for promoting sustainable and inclusive urban transportation in developing countries*	Policy
I Wu, D Pojani	Obstacles to the creation of successful bus rapid transit systems: The case of Bangkok*	Mode
T Nordfjærn, Ö Simsekoglu, T Rundmo	Active transport, public transport and electric car as perceived alternatives in a motorized Norwegian sample*	Mode
J Zacharias, X Li	Shifting from Metro to Sustainable Surface Modes for Short-Distance Travel*	Mode
D A Hensher, C Ho, C M Mulley	Disruption costs in bus contract transitions*	Organisation

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