



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

10-2016

World Transit Research October 2016 Newsletter

Institute of Transport Studies Monash University

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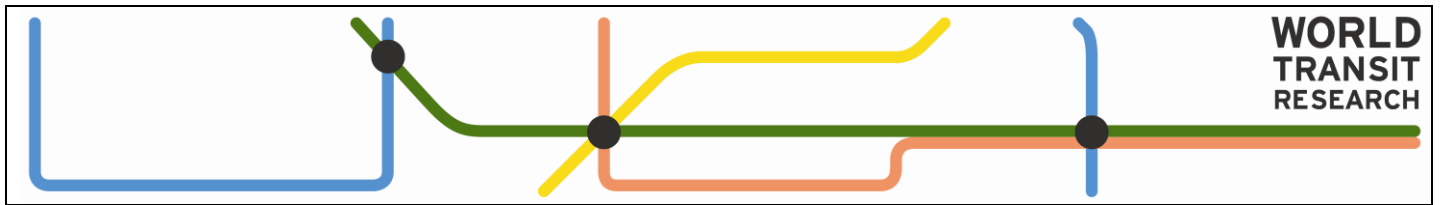
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Institute of Transport Studies, Monash University. (2016). World Transit Research October 2016 Newsletter.

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MONASH University



World Transit Research

October 2016 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 6,097 research reports/papers. Some 93 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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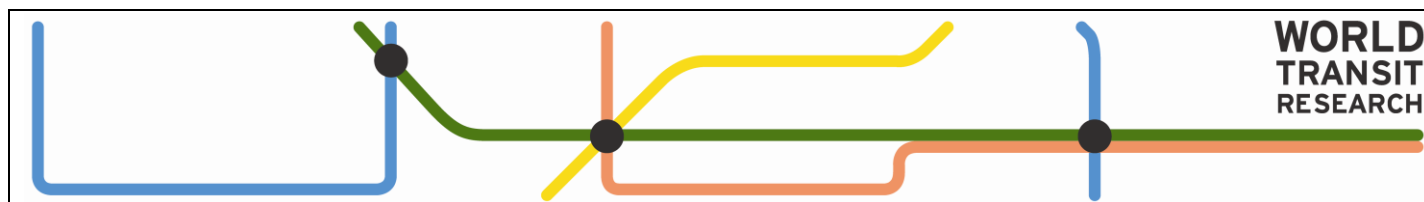
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SUGGESTIONS WELCOMED

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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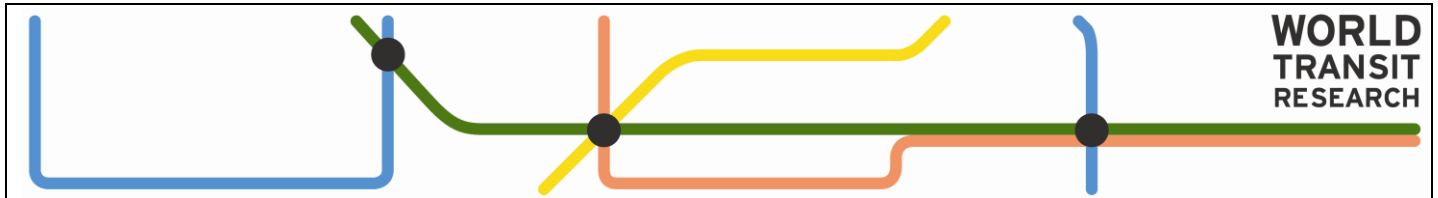


WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
A M Wilson	Quantifying the True Cost of Transit: Case Study of Bus Routes in Boulder, Colorado*	Planning
A Hong, M G Boarnet, D Houston	New light rail transit and active travel: A longitudinal study*	Planning
S Patil, B Patrui, D Potoglou, N Robinson	Public preference for data privacy – A pan-European study on metro/train surveillance*	Planning
Y Hadas, O E Nahum	Urban bus network of priority lanes: A combined multi-objective, multi-criteria and group decision-making approach*	Planning
T Petersen	Watching the Swiss: A network approach to rural and exurban public transport*	Planning
F Arabikhan, M N Postorino, A Dupont-Kieffer, A Gegov	Gender-Based Analysis of Zones of Tolerance for Transit Service Quality Considering Intelligent Transportation Systems*	Planning
S H Kim, J Chung	Reinterpretation of the Likert Scale for Public Transportation User Satisfaction: Pattern Recognition Approach*	Planning
O Y Edelenbosch, D L McCollum, D P van Vuuren, C Bertram, S Carrara, H Daly, S Fujimori, A Kitous, P Kyle, E Ó Broin, P Karkatsoulis, F Sano	Decomposing passenger transport futures: Comparing results of global integrated assessment models*	Planning
S Jomnonkwao, O Sangphong, B Khampirat, S Siridhara, V Ratanavaraha	Public transport promotion policy on campus: evidence from Suranaree University in Thailand*	Planning
A Kiefer, S Kritzinger, K F Doerner	Disruption management for the Viennese public transport provider*	Planning
H Farooqi, A Sadeghi-Niaraki	GIS-based ride-sharing and DRT in Tehran city*	Planning
A Zarrinmehr, M Saffarzadeh, S Seyedabrishami, Y M Nie	A path-based greedy algorithm for multi-objective transit routes design with elastic demand*	Planning
M R Islam, M Hadiuzzaman, R Banik, M M Hasnat, S R Musabbir, S Hossain	Bus service quality prediction and attribute ranking: a neural network approach*	Planning
I Woodcock	The design speculation and action research assemblage: 'transit for all' and the transformation of Melbourne's passenger rail system*	Planning
W Steffen, T Percival, D Flannery	Greenhouse gas emission reductions from Canberra's light rail project*	Planning
M Tanko, M Burke	Why busways? Styles of planning and mode-choice decision-making in Brisbane's transport networks*	Planning
A Stephan, R H Crawford	Total water requirements of passenger transport modes*	Planning
A W Agrawal, H Nixon	What Do Americans Think About Federal Tax Options to Support Public Transit, Highways, and Local Streets and Roads? Results from Year Seven of a National Survey	Planning
J Brown	International benchmarking of rail safety indicators	Planning
F Naznin, G Currie, D Logan	Exploring the impacts of factors contributing to tram-involved serious injury crashes on Melbourne tram routes*	Planning
Z Zheng, S Washington, P Hyland, K Sloan, Y Liu	Preference heterogeneity in mode choice based on a nationwide survey with a focus on urban rail*	Planning
J Geng, R Long, H Chen	Impact of information intervention on travel mode choice of urban residents with different goal frames: A controlled trial in Xuzhou, China*	Planning
C Pineda, C E Cortés, P Jara-Moroni, E Moreno	Integrated traffic-transit stochastic equilibrium model with park-and-ride facilities*	Planning
C Venter	Assessing the potential of bus rapid transit-led network restructuring for enhancing affordable access to employment – The case of Johannesburg's Corridors of Freedom*	Planning
G T Clifton, C Mulley	A historical overview of enhanced bus services in Australian cities: What has been tried, what has worked?*	Planning
K E Watkins, C Brakewood	Research Pays Off Assessing the Impacts of Real-Time Transit Information	Technology
X Rao, M Montigel, U Weidmann	A new rail optimisation model by integration of traffic management and train automation*	Technology
E A Nanaki, C J Koroneos, J Roset, T Susca, T H Christensen, S De Gregorio Hurtado, A Rybka, J Kopitovic, O	Environmental assessment of 9 European public bus transportation systems*	Technology

Heidrich, P Amparo López-Jiménez		
A Vitale, G Guido, D Rogano	A smartphone based DSS platform for assessing transit service attributes*	Technology
H Sun, J Wu, L Wu, X Yan, Z Gao	Estimating the influence of common disruptions on urban rail transit networks*	Technology
T Thevenin, C Mimeur, R Schwartz, L Sapet	Measuring one century of railway accessibility and population change in France. A historical GIS approach*	Technology
B Eisenhart, S Altman, S Sharp, P Johnson	Developing an ITS Technology Web Portal for Transit System Leaders	Technology
U.S. Government Accountability Office (GAO)	Intelligent Transportation Systems: Urban and Rural Transit Providers Reported Benefits but Face Deployment Challenges	Technology
D Harris, D Smith, C O'Neil, J Severinsen	The role of real-time crowdsourced information and technology in supporting traveller information and network efficiency June 2016	Technology
B Thomson, I Matos, J Previdi	Onboard Camera Applications for Buses	Technology
A Bai, P Jobbágy, J Popp, F Farkas, G Grasselli, J Szendrei, P Balogh	Technical and environmental effects of biodiesel use in local public transport*	Technology
T Lin, J Xia, T P Robinson, D Olaru, B Smith, J Taplin, B Cao	Enhanced Huff model for estimating Park and Ride (PnR) catchment areas in Perth, WA*	Technology
C Pineda, D Schwarz, E Godoy	Comparison of passengers' behavior and aggregate demand levels on a subway system using origin-destination surveys and smartcard data*	Technology
A Gschwender, M Munizaga, C Simonetti	Using smart card and GPS data for policy and planning: The case of Transantiago*	Technology
N Julio, R Giesen, P Lizana	Real-time prediction of bus travel speeds using traffic shockwaves and machine learning algorithms*	Technology
N Sanko	Factors affecting temporal changes in mode choice model parameters*	Ridership
M R Fatmi, M A Habib	Life-Oriented Approach of Modeling Commute Mode Loyalty and Transition Behavior*	Ridership
A Guthrie, Y Fan	Weakening Obstacles to Transit Use: Changes in Relationships with Child Rearing and Automobile Access from 2000 to 2010*	Ridership
W Wu, J Hong	Does public transit improvement affect commuting behavior in Beijing, China? A spatial multilevel approach*	Ridership
K K A Chu, A Lomone	Reproducing Longitudinal In-Vehicle Traveler Experience and the Impact of a Service Reduction with Public Transit Smart Card Data*	Ridership
S Zailani, M Iranmanesh, T A Masron, T Chan	Is the intention to use public transport for different travel purposes determined by different factors?*	Ridership
Q Shen, P Chen, H Pan	Factors affecting car ownership and mode choice in rail transit-supported suburbs of a large Chinese city*	Ridership
T Claus, S Döppe	Why do urban travelers select multimodal travel options: A repertory grid analysis*	Ridership
S A Kashfi, J M Bunker, T Yigitcanlar	Modelling and analysing effects of complex seasonality and weather on an area's daily transit ridership rate*	Ridership
N Tilahun, P Thakuriah, M Li, Y Keita	Transit use and the work commute: Analyzing the role of last mile issues*	Ridership
J Scheiner, K Chatterjee, E Heinen	Key events and multimodality: A life course approach*	Ridership
W Xu, Y Li, H Wang	Transit accessibility for commuters considering the demand elasticities of distance and transfer*	Ridership
H Ye, R Liu	A multiphase optimal control method for multi-train control and scheduling on railway lines*	Operations
J Schmöcker, W Sun, A Fonzone, R Liu	Bus bunching along a corridor served by two lines*	Operations
Y Gao, L Kroon, M Schmidt, L Yang	Rescheduling a metro line in an over-crowded situation after disruptions*	Operations
W Wu, R Liu, W Jin	Designing robust schedule coordination scheme for transit networks with safety control margins*	Operations
M Estrada, J Mensión, J M Aymamí, L Torres	Bus control strategies in corridors with signalized intersections*	Operations
Z Lin, E Barrera, R S K Kwan	Train unit scheduling guided by historic capacity provisions and passenger count surveys*	Operations
S Güner, E Coşkun	Determining the best performing benchmarks for transit routes with a multi-objective model: the implementation and a critique of the two-model approach*	Operations
D Verbich, E Diab, A El-Geneidy	Have they bunched yet? An exploratory study of the impacts of bus bunching on dwell and running times*	Operations

C T Dick, D Mussanov	Operational Schedule Flexibility and Infrastructure Investment Capacity Trade-Off on Single-Track Railways*	Operations
H Tang, C T Dick, B M Caughron, X Feng, Q Wang, C P L Barkan	Model for Optimal Selection of Projects to Improve Running Time and Operating Cost Efficiency on Passenger Rail Corridors*	Operations
D Lei, C Guo, Y Zhang, C Chen	Reasonable scheduling for arrival-departure track operations in railway stations*	Operations
E Melville, J Minnery	Public transport, urban form and urban structure: the example of Brisbane's tram system*	Land use
H Bohman, D Nilsson	The impact of regional commuter trains on property values: Price segments and income*	Land use
C E Ferrell, B S Appleyard, M Taecker, C Allen, C Armusewicz, C Schroder	Livable Transit Corridors: Methods, Metrics, and Strategies*	Land use
T F Welch, S R Gehrke, F Wang	Long-term impact of network access to bike facilities and public transit stations on housing sales prices in Portland, Oregon*	Land use
T Saghapour, S Moridpour, R G Thompson	Public transport accessibility in metropolitan areas: A new approach incorporating population density*	Land use
T Xu, M Zhang, P T Aditjandra	The impact of urban rail transit on commercial property value: New evidence from Wuhan, China*	Land use
G Lyu, L Bertolini, K Pfeffer	Developing a TOD typology for Beijing metro station areas*	Land use
D Houston, A Dang, J Wu, Z Chowdhury, R Edwards	The cost of convenience; Air pollution and noise on freeway and arterial light rail station platforms in Los Angeles*	Land use
T Deng, M Ma, J D Nelson	Measuring the impacts of Bus Rapid Transit on residential property values: The Beijing case*	Land use
H Wang, R Mu, W Liu	Privatisation Reversals of Bus Transport Service: A Case of Shanghai in China*	Organisation
T Bajada, H Titheridge	To contract or to operate publicly? Observations from the bus service reform transition process in Malta*	Organisation
Texas A&M Transportation Institute ESH Consult James Stoetzel Shelly Brown Associates, LLC	Contracting Commuter Rail Services*	Organisation
S Lannoo, E Verhofstadt	What drives the drivers? Predicting turnover intentions in the Belgian bus and coach industry*	Organisation
W Veeneman	Developments in public transport governance in the Netherlands; more recent developments*	Organisation
C Zhang, Z Juan, W Lu, G Xiao	Do the organizational forms affect passenger satisfaction? Evidence from Chinese public transport service*	Organisation
C Camén, H Lidestam	Dominating factors contributing to the high(er) costs for public bus transports in Sweden*	Organisation
A Avenali, A Boitani, G Catalano, T D'Alfonso, G Matteucci	Assessing standard costs in local public bus transport: Evidence from Italy*	Economics
J D Bitzan, D G Ripplinger	Public transit and alternative fuels – The costs associated with using biodiesel and CNG in comparison to diesel for U.S. public transit systems*	Economics
N Douglas	Pricing strategies for public transport	Economics
Y Sun, Q Gao, P Schonfeld, Z Li	Implications of the cost of public funds in public transit subsidization and regulation*	Economics
M Batarce, J C Muñoz, J de Dios Ortúzar	Valuing crowding in public transport: Implications for cost-benefit analysis*	Economics
A Vigren	Cost efficiency in Swedish public transport*	Economics
C Loong, A El-Geneidy	It's a Matter of Time Assessment of Additional Time Budgeted for Commuting to McGill University Across Modes*	Mode
M D Yap, G Correia, B van Arem	Preferences of travellers for using automated vehicles as last mile public transport of multimodal train trips*	Mode
J S Niles, J M Pogodzinski	Bus Transit Operational Efficiency Resulting from Passenger Boardings at Park-and-Ride Facilities	Mode
L Aston, G Currie, K Pavkova	Does transit mode influence the transit-orientation of urban development? – An empirical study*	Mode
G Currie, C De Gruyter	Exploring performance outcomes and regulatory contexts of Light Rail in Australia and the US*	Mode
J van den Heuvel	Field Experiments with Train Stopping Positions at Schiphol Airport Train Station in Amsterdam, Netherlands*	Infrastructure



M K Sameni, J Preston, M K Sameni	Evaluating efficiency of passenger railway stations: A DEA approach*	Infrastructure
N Pittman, J E Day	Locating and quantifying public transport provision with respect to social need in Canberra, Australia*	Policy
A El-Geneidy, D Levinson, E Diab, G Boisjoly, D Verbich, C Loong	The cost of equity: Assessing transit accessibility and social disparity using total travel cost*	Policy

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