



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

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

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World Transit Research Newsletter

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10-2016

# World Transit Research October 2016 Newsletter

Institute of Transport Studies Monash University

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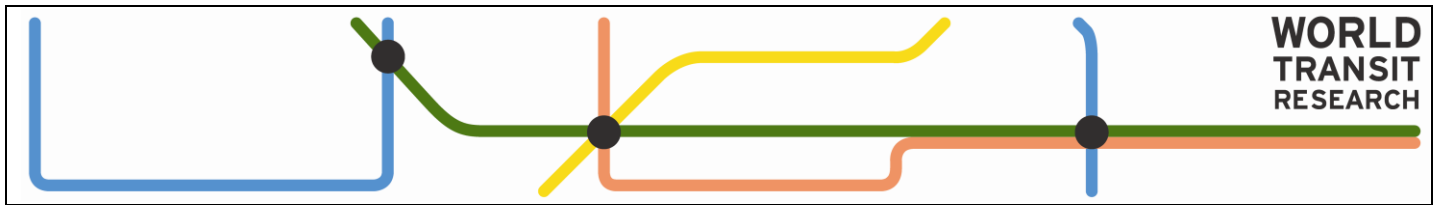
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**MONASH** University



## 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.

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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.

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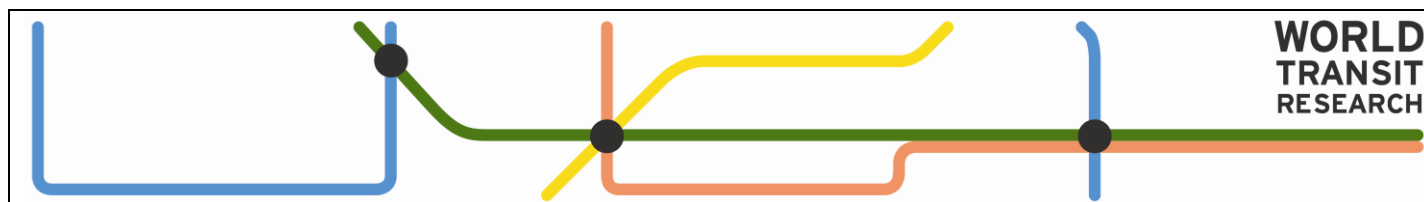
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Articles on the following two pages denoted with an asterisk \* are from Journals that require a subscription to view the full article.

#### **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](mailto:enquiries@worldtransitresearch.info)

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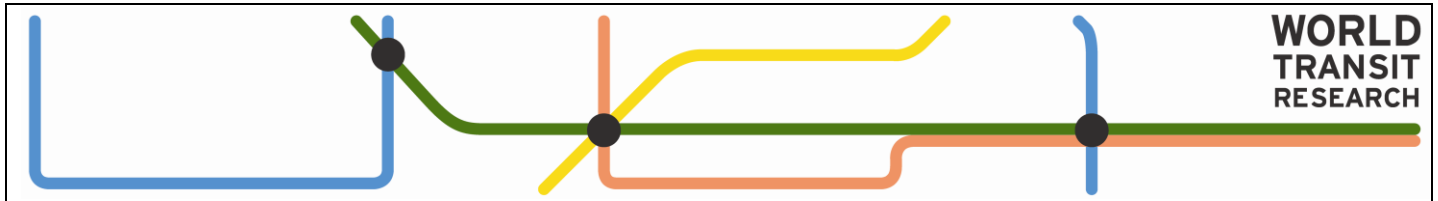
## WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

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

Heidrich, P Amparo López-Jiménez		
A Vitale, G Guido, D Rogano	<a href="#">A smartphone based DSS platform for assessing transit service attributes*</a>	Technology
H Sun, J Wu, L Wu, X Yan, Z Gao	<a href="#">Estimating the influence of common disruptions on urban rail transit networks*</a>	Technology
T Thevenin, C Mimeur, R Schwartz, L Sapet	<a href="#">Measuring one century of railway accessibility and population change in France. A historical GIS approach*</a>	Technology
B Eisenhart, S Altman, S Sharp, P Johnson	<a href="#">Developing an ITS Technology Web Portal for Transit System Leaders</a>	Technology
U.S. Government Accountability Office (GAO)	<a href="#">Intelligent Transportation Systems: Urban and Rural Transit Providers Reported Benefits but Face Deployment Challenges</a>	Technology
D Harris, D Smith, C O'Neil, J Severinsen	<a href="#">The role of real-time crowdsourced information and technology in supporting traveller information and network efficiency June 2016</a>	Technology
B Thomson, I Matos, J Previdi	<a href="#">Onboard Camera Applications for Buses</a>	Technology
A Bai, P Jobbágy, J Popp, F Farkas, G Grasselli, J Szendrei, P Balogh	<a href="#">Technical and environmental effects of biodiesel use in local public transport*</a>	Technology
T Lin, J Xia, T P Robinson, D Olaru, B Smith, J Taplin, B Cao	<a href="#">Enhanced Huff model for estimating Park and Ride (PnR) catchment areas in Perth, WA*</a>	Technology
C Pineda, D Schwarz, E Godoy	<a href="#">Comparison of passengers' behavior and aggregate demand levels on a subway system using origin-destination surveys and smartcard data*</a>	Technology
A Gschwender, M Munizaga, C Simonetti	<a href="#">Using smart card and GPS data for policy and planning: The case of Transantiago*</a>	Technology
N Julio, R Giesen, P Lizana	<a href="#">Real-time prediction of bus travel speeds using traffic shockwaves and machine learning algorithms*</a>	Technology
N Sanko	<a href="#">Factors affecting temporal changes in mode choice model parameters*</a>	Ridership
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A Guthrie, Y Fan	<a href="#">Weakening Obstacles to Transit Use: Changes in Relationships with Child Rearing and Automobile Access from 2000 to 2010*</a>	Ridership
W Wu, J Hong	<a href="#">Does public transit improvement affect commuting behavior in Beijing, China? A spatial multilevel approach*</a>	Ridership
K K A Chu, A Lomone	<a href="#">Reproducing Longitudinal In-Vehicle Traveler Experience and the Impact of a Service Reduction with Public Transit Smart Card Data*</a>	Ridership
S Zailani, M Iranmanesh, T A Masron, T Chan	<a href="#">Is the intention to use public transport for different travel purposes determined by different factors?*</a>	Ridership
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T Claus, S Döppe	<a href="#">Why do urban travelers select multimodal travel options: A repertory grid analysis*</a>	Ridership
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W Xu, Y Li, H Wang	<a href="#">Transit accessibility for commuters considering the demand elasticities of distance and transfer*</a>	Ridership
H Ye, R Liu	<a href="#">A multiphase optimal control method for multi-train control and scheduling on railway lines*</a>	Operations
J Schmöcker, W Sun, A Fonzone, R Liu	<a href="#">Bus bunching along a corridor served by two lines*</a>	Operations
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S Güner, E Coşkun	<a href="#">Determining the best performing benchmarks for transit routes with a multi-objective model: the implementation and a critique of the two-model approach*</a>	Operations
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H Tang, C T Dick, B M Caughron, X Feng, Q Wang, C P L Barkan	<a href="#">Model for Optimal Selection of Projects to Improve Running Time and Operating Cost Efficiency on Passenger Rail Corridors*</a>	Operations
D Lei, C Guo, Y Zhang, C Chen	<a href="#">Reasonable scheduling for arrival-departure track operations in railway stations*</a>	Operations
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H Bohman, D Nilsson	<a href="#">The impact of regional commuter trains on property values: Price segments and income*</a>	Land use
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S Lannoo, E Verhofstadt	<a href="#">What drives the drivers? Predicting turnover intentions in the Belgian bus and coach industry*</a>	Organisation
W Veeneman	<a href="#">Developments in public transport governance in the Netherlands; more recent developments*</a>	Organisation
C Zhang, Z Juan, W Lu, G Xiao	<a href="#">Do the organizational forms affect passenger satisfaction? Evidence from Chinese public transport service*</a>	Organisation
C Camén, H Lidestam	<a href="#">Dominating factors contributing to the high(er) costs for public bus transports in Sweden*</a>	Organisation
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A Vigren	<a href="#">Cost efficiency in Swedish public transport*</a>	Economics
C Loong, A El-Geneidy	<a href="#">It's a Matter of Time Assessment of Additional Time Budgeted for Commuting to McGill University Across Modes*</a>	Mode
M D Yap, G Correia, B van Arem	<a href="#">Preferences of travellers for using automated vehicles as last mile public transport of multimodal train trips*</a>	Mode
J S Niles, J M Pogodzinski	<a href="#">Bus Transit Operational Efficiency Resulting from Passenger Boardings at Park-and-Ride Facilities</a>	Mode
L Aston, G Currie, K Pavkova	<a href="#">Does transit mode influence the transit-orientation of urban development? – An empirical study*</a>	Mode
G Currie, C De Gruyter	<a href="#">Exploring performance outcomes and regulatory contexts of Light Rail in Australia and the US*</a>	Mode
J van den Heuvel	<a href="#">Field Experiments with Train Stopping Positions at Schiphol Airport Train Station in Amsterdam, Netherlands*</a>	Infrastructure



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

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