



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

1-1-2012

January 2012 World Transit Research Newsletter

Institute of Transport Studies (Monash University)

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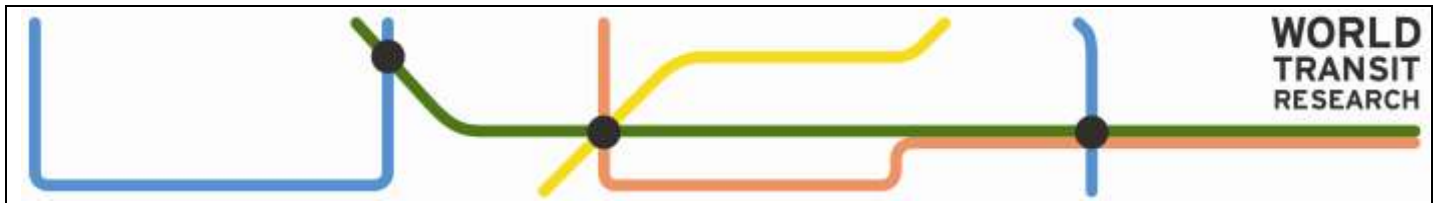
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MONASH University



World Transit Research January 2012 Newsletter

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Welcome to the ninth WORLD TRANSIT RESEARCH (WTR) clearinghouse newsletter. This newsletter, which is published bimonthly, 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 5,770 cities and towns in 166 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 ever 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 4,026 research reports/papers. Some 72 published papers have been added and most 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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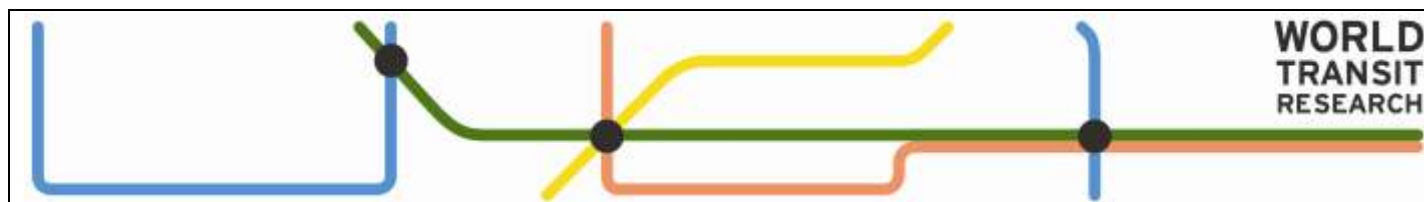
JOURNAL SUBSCRIPTIONS

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

SUGGESTIONS WELCOMED

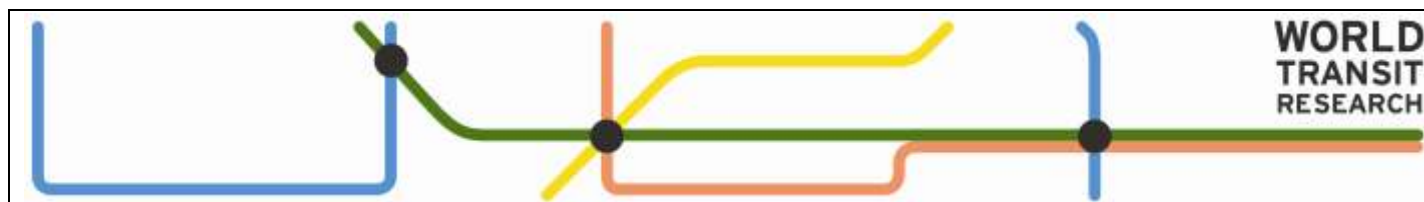
If you have any queries or suggestions on how to improve our publication, we would love to hear from you at:
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WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	DATE
K Sivakumaran, Y Li, M J Cassidy, S Madanat	Cost-saving properties of schedule coordination in a simple trunk-and-feeder transit system *	2012
P T Aditjandra, X J Cao, C Mulley	Understanding neighbourhood design impact on travel behavior *	2012
S M Nourbakhsh, Y Ouyang	A structured flexible transit system for low demand areas *	2012
Y Jiang, P C Zegras, S Mehndiratta	Walk the line: station context, corridor type and bus rapid transit walk in Jinan, China *	2012
A Costa, R Fernandes	Urban public transport in Europe: Technology diffusion and market organisation *	2012
S Tscharkschiew, G Hirte	Should subsidies to urban passenger transport be increased? A spatial CGE analysis for a German metropolitan area *	2012
E Mazloumi, M Mesbah, A Ceder, S Moridpour, G Currie	Efficient transit schedule design of timing points: A comparison of Ant Colony and Genetic Algorithms	2012
U A Sahin, B Onat, B Stakeeva, T Ceran, P Karim	PM10 concentrations and the size distribution of Cu and Fe-containing particles in Istanbul's subway system *	2012
E C McKenzie, P L Durango-Cohen	Environmental life-cycle assessment of transit buses with alternative fuel technology *	2012
J Q Li, S D Gupta, L Zhang, K Zhou, W B Zhang	Evaluate bus emissions generated near far-side and near-side stops and potential reductions by ITS: An empirical study *	2012
E Murphy	Urban spatial location advantage: The dual of the transportation problem and its implications for land-use and transport planning *	2012
M E L Kezic, P L Durango-Cohen	The transportation systems of Buenos Aires, Chicago and Sao Paula: City centres, infrastructure and policy analysis *	2012
S Mavoa, K Witten, T McCreanor, D O'Sullivan	GIS based destination accessibility via public transit and walking in Auckland, New Zealand *	2012
Y Wei, M C Chen	Forecasting the short-term metro passenger flow with empirical mode decomposition and neural networks *	2012
M G Karlaftis, D Tsamboulas	Efficiency measurement in public transport: Are findings specification sensitive?	2012
M Russell, R Price, L Signal, J Stanley, Z Gerring, J Cumming	What Do Passengers Do During Travel Time? Structured Observations on Buses and Trains	2011
M J Turkovich, L van Roosmalen, D A Hobson, E A Porach	The effect of city bus maneuvers on wheelchair movement	2011
J. L Renne, K Bartholomew, P Wontor	Transit-oriented and joint development: Case studies and legal issues *	2011
T Hodges	Flooded bus barns and buckled rails: Public transportation and Climate Change adaption	2011
S Silver	User evaluations of intermodal travel to work: Exploratory studies	2011
Passengerfocus	The challenge of getting to the station passenger experiences	2011
A Chen, Z Zhou, P Chootinan, S Ryu, C Yang, S C Wong	Transport network design problem under uncertainty: A review and new developments *	2011
Y Zheng, X Zhang, B Xu, L Wang	Carrying capacity reliability of railway networks *	2011
X Chen, Q Liu, G Du	Estimation of travel time values for urban public transport passengers based on SP survey *	2011
J Liu, W Deng, B Zhang	Conjoint Analysis based transit service quality research *	2011
G Caimi, M Fuchsberger, M Laumanns, K Schupbach	A multi-level framework for generating train schedules in highly utilized networks *	2011
T Nishi, Y Muroi, M Inuiguchi	Column generation with dual inequalities for railway crew scheduling problems *	2011
B Alt, U Weidmann	A stochastic multiple area approach for public transport network design *	2011
X Li, L Quadrioglio	2-Vehicle zone optimal design for feeder transit services *	2011
C L Schweiger	Use and deployment of mobile device technology for real-time transit information *	2011
C F Liao, G A Davis	Field testing and evaluation of a wireless-based transit signal priority system	2011
Q Ding, X Wang, Q Shan, X Zhang	Modeling and simulation of rail transit pedestrian flow *	2011



R Daniels, C Mulley	The paradox of public transport peak spreading: Universities and TDM *	2011
M S Chowdhury, S I J Chien	Joint optimization of bus size, headway and slack time for timed transfer *	2011
G Currie, A Shalaby	Synthesis of transport planning approaches for the world's largest events *	2011
L Mejia-Dorantes, A Paez, J M Vassallo	Transportation infrastructure impacts on firm location: the effect of a new metro line in suburbs of Madrid *	2011
D Peterson	Transit ridership and the built environment	2011
J Gertler, A DiFiore, G Hadlow, A Lindsey, R Meenes	Improving safety-related rules compliance in the public transportation industry *	2011
A Fabregas, P S Lin, E Gonzalez-Velez, A Datz, H Zhou	Safety and operational assessment of yield-to-bus electronic warning signs on transit buses *	2011
J Surprenant-Legault, A M El-Geneidy	Introduction of reserved bus lane impact on bus running time and on-time performance *	2011
M Wahba, A Shalaby	Large-scale application of MILATRAS: Case study of the Toronto network *	2011
A Golub, F Zhen, N N Clark, W S Wayne, J J Schiavone, C Chambers, K L Chandler	Creation of life-cycle cost tool for transit buses to evaluate hybrid electric bus technologies in real-world operation *	2011
M Iswalt, C Wong, K Connolly	Innovative operating solutions for Bus Rapid Transit through a congested segment of San Jose, California *	2011
E H Dawson III, H Liu, H Xu, R L Cheu, R B Machemehl	Feasibility of converting two-way left-turn lane into Bus Rapid Transit Lane *	2011
J Jung, R Jayakrishnan	High-Coverage Point-to-Point transit study of path-based vehicle routing through multiple hubs *	2011
Y Xuan, J Argote, C F Daganzo	Dynamic bus holding strategies for schedule reliability: Optimal linear control and performance *	2011
T P Hutchinson	Classification of reasons for poor customer experiences in service industries: the case of Public Transport *	2011
S Guo, L Yu, X Chen, Y Zhang	Modelling waiting time for passengers transferring from rail to buses *	2011
Australasian Railway Association, Deloitte Access Economics	True value of rail	2011
Jacobs Consultancy	Value for money and appraisal of small scale public transport schemes	2011
T Rickert	Universal access to bus rapid transit design, operation, and working with the community	2011
S Molander, M Fellesson, M Friman, P Skalen	Market orientation in public transport research – A review *	2011
B W Lane	A time-series analysis of gasoline prices and public transportation in US metropolitan areas *	2011
D Saez, C E Cortes, F Milla, A Nunez, A Tirachini, M Requielme	Hybrid predictive control strategy for a public transport system with uncertain demand *	2011
US Government Accountability Office (GAO)	Transportation Security Information sharing: Stakeholders generally satisfied by TSA could improve analysis, awareness and accountability	2011
L Zhang, K Zhou, J Li, W-B Zhang, M Li, G Wu, S Sun	Development of an integrated adaptive transit signal priority (ATSP) and Dynamic Passenger Information (DPI) system	2011
M Catala, S Downing, D Hayward	Expanding the Google transit feed specification to support operations and planning	2011
J S Chang, S Y Cho, B S Lee, Y Kim, S K Yun	A dichotomous choice survey for quantifying option and non-use values of bus services in Korea *	2011
J Mattson, D Peterson, W Thomas, D Ripplinger, J Hough	Assessing demand for rural intercity transportation in a changing environment	2010
P Thakuriah, P Metaxatos, A Mohammadian	Bus riding on shoulders	2010
G Bellei, K Gkoumas	Transit vehicles' headway distribution and service irregularity *	2010
U Derigs, D Malcherek, S Schafer	Supporting strategic crew management at passenger railways – model, method and system *	2010
W Veeneman, J Koppenjan	Securing public values in public transport projects: Four dutch cases on innovation *	2010

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