



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

7-1-2011

July 2011 World Transit Research Newsletter

Institute of Transport Studies (Monash University)

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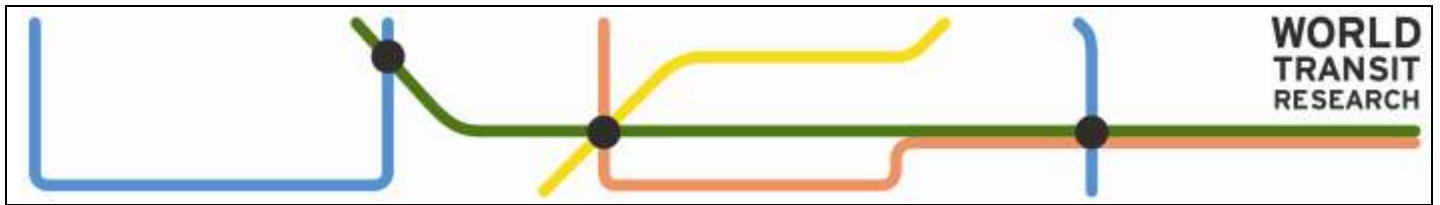
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MONASH University



World Transit Research

July 2011 Newsletter

<http://www.worldtransitresearch.info>

Welcome to the sixth 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 WINS INTERNATIONAL RESEARCH AWARD FROM UITP

The Institute of Transport Studies (ITS) in the Department of Civil Engineering, Monash University won the Asia Pacific Showcase Award for Knowledge and Research at the 59th annual World Congress of the Union Internationale De Transport Publics (UITP - International Association of Public Transport) in Dubai in April. This was for the development and operation of World Transit Research. WTR is now used by public transport researchers in over 4,000 cities and towns 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 3,836 research reports/papers. Some 64 newly published papers have been added and 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.

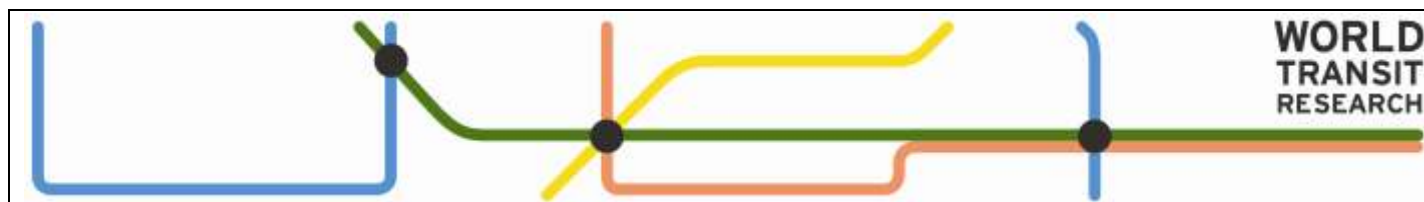
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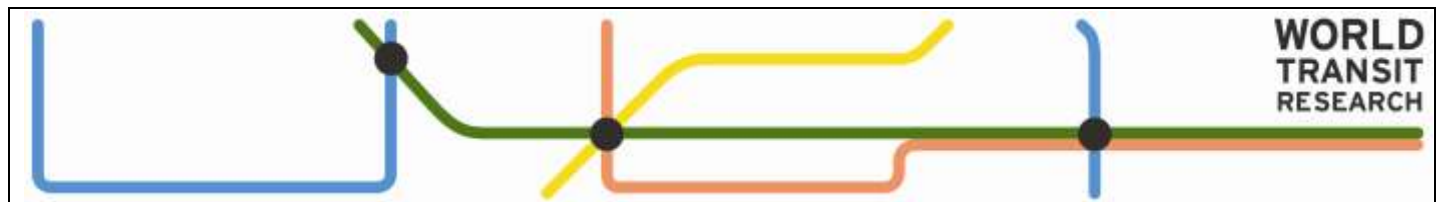
If you have any queries or suggestions on how to improve our publication, we would love to hear from you at: enquiries@worldtransitresearch.info

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WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	DATE
G Currie, A Ahern, A Delbosc	Exploring the drivers of light rail ridership: an empirical route level analysis of selected Australian, North American and European Systems	2011
A Tirachini, D A Hensher	Bus congestion, optimal infrastructure investment and the choice of a fare collection system in dedicated bus corridors	2011
J Wang	Appraisal of factors influencing public transport patronage	2011
M Gallo, B Montella, L D'Acerno	The transit network design problem with elastic demand and internalization of external costs: An application to rail frequency optimization	2011
G Currie, A Delbosc	Understanding bus rapid transit route ridership drivers: An empirical study of Australian BRT systems	2011
C E Cortes, S Jara-Diaz, A Tirachini	Integrating short turning and deadheading in the optimization of transit services	2011
C Curtis	Integrating land use with public transport: The use of a discursive accessibility tool to inform metropolitan spatial planning in Perth	2011
Center for Transit-Oriented Development	Rails to Real Estate: Development patterns along three new transit lines	2011
American Public Transportation Institute	Potential impact of gasoline price increases on US Public Transportation Ridership	2011
L Pike	Generation of walking, cycling and public transport trips: pilot study	2011
A Nuzzolo, U Crisalli, L Rosati	A schedule-based assignment model with explicit capacity constraints for congested transit networks	2011
K Chatterjee	Modelling the dynamics of bus use in a changing travel environment using panel data	2011
Y Zhou, J C Thill, Z Huang	Design of a user-centric decision support tool for fixed-route bus travel planning	2011
M Wardman, G Whelan	Twenty years of rail crowding valuation studies: Evidence and lessons from British Experience	2011
V Johnson, G Currie, J Stanley	Exploring transport to arts and cultural activities as a facilitator of social inclusion	2011
X Liu, Z Sun, G Yao	Spectator arrival and departure traffic mode and influence factors in Beijing Olympic Games opening and closing ceremony	2011
C Cirillo, L Eboli, G Mazzulla	On the asymmetric user perception of transit quality	2011
J E Burkhardt, R Garrity, K McGehee, S S Hamme, K Burkhardt, C Johnson, D Koffman	Sharing the costs of human services transportation: Volume 1. The transportation services cost sharing toolkit	2011
S Polzin, S Reich, J Davis	Exploration of Transit's sustainability competitiveness	2011
D T Barnum, M G Karlaftis, S Tandon	Improving the efficiency of metropolitan area transit by joint analysis of its multiple providers	2011
National Cooperative Highway Research Program, TRB	Cost/Benefit analysis of converting a lane for bus rapid transit – Phase II Evaluation and Methodology	2011
Center for Transit-Oriented Development	Transit and regional economic development	2011
Center for Transit-Oriented Development	Transit-Oriented Development (TOD) and employment	2011
H Iseki, C Rivasplata, R Houtman, A Smith, C Seifert, T Sudar	Examination of regional transit service under contracting: A case study in the greater New Orleans region	2011
A Tomer, E Kneebone, R Puentes, A Berube	Missed opportunity: Transit and jobs in metropolitan America	2011
A Matteson, L Jarossi, J Woodrooffe	Buses involved in fatal accidents factbook 2008	2011
C Morency, M Trepanier, M Demers	Walking to transit: An unexpected source of physical activity	2011
Y H Cheng	Evaluating web site service quality in public transport: Evidence from Taiwan High Speed Rail	2011
A Ceder	Public transport vehicle scheduling with multi-vehicle type	2011
R Sakano, J Benjamin	A structural model of mode-activity choice: The case of commuter rail in a medium-size metropolitan area	2011
A Beck	Experiences with competitive tendering of bus services in Germany	2011
W C Chiang, R A Russell, T L Urban	Forecasting ridership for a metropolitan transit authority	2011



Z Guo	Mind the map! The impact of transit maps on path choice in public transit	2011
A Paez, M Trepanier, C Morency	Geodemographic analysis and identification of potential business partnerships enabled by transit smart cards	2011
M Salicru, C Fleurent, J M Armengol	Timetable-based operation in urban transport: Run-time optimization and improvements in the operating process	2011
M Estrada, M Roca-Riu, H Badia, F Robuste, C F Daganzo	Design and implementation of efficient transit networks: Procedure, case study and validity test	2011
K J Krizek, E Stonebraker, S Tribbey	Bicycling access and egress to transit: Informing the possibilities	2011
J E Burkhardt, R Garrity, K McGehee, S S Hamme, K Burkhardt, C Johnson, D Koffman	Sharing the costs of human services transportation: Volume 2: Research Report	2011
F Ahmed, Y E Hawas, M Maraqa, M N Hassan	A framework for the assessment and policy development of water transit services in Dubai UAE	2011
A Ceder, J Varghese	Analysis of passenger-ferry routes using connectivity measures	2011
M Ericson	Pickup modifications for rural transport services in Cambodia	2011
J Kinsella, B Caulfield	An examination of the quality and ease of public transport in Dublin	2011
K Kuhn	Open government data and public transportation	2011
L T Truon, S V C Somenahalli	Using GIS to identify pedestrian-vehicle crash hot spots and unsafe bus stops	2011
J Kolko	Making the most of transit: Density, employment growth, and ridership around new stations	2011
L W Thomas, J B McDaniel	Reductions in transit service or increases in fares: Civil rights, ADA, regulatory and environmental justice implications	2011
A Thiruvengadam, D K Carder, M Krishnamurthy, A Oshinuga, M Gautam	Effect of an economical oxidation catalyst formulation on regulated and unregulated pollutants from natural gas fueled heavy duty transit buses	2011
D J Clark, F Jorgensen, T A Mathisen	Relationships between fares, trip length and market competition	2011
Z Liu, L Zhang, X Lv, J Chen	Evaluation method about bus scheduling based on discrete Hopfield neural network	2011
H Sung, J T Oh	Transit-oriented development in a high-density city: Identifying its association with transit ridership in Seoul, Korea	2011
R A Scott	Demand responsive passenger transport in low-demand situations	2010
P G Furth, B Cesme, T Rima	Signal priority near major bus terminal case study of Ruggles Station, Boston, Massachusetts	2010
B M Jenkins, B R Butterworth, J C Clair	The 1995 attempted derailing of the French TGV (high-speed train) and a quantitative analysis of 181 rail sabotage attempts	2010
J Hu, L Yang, L Kong, Y Yang	Urban mixed traffic flow considering the influence of origin-destination of Public Transportation	2010
D Blower, P E Green	Type of motor carrier and driver history in fatal bus crashes	2010
R Kaenzig, D Mobereola, C Brader	Africa's first bus rapid transit system	2010
W Hook, C Kost, U Navarro, M Replogle, B Baranda	Carbon dioxide reduction benefits of bus rapid transit systems	2010
L A Lindau, D Hildago, D Facchini	Bus rapid transit in Curitiba, Brazil, a look at the outcome after 35 years of bus-oriented development	2010
B N Montgomery	Cycling trends and fate in the face of bus rapid transit case study of Jinan, Shandong Province, China	2010
P B Mirchandani, J Q Li, M Hickman	A macroscopic model for integrating bus signal priority with vehicle rescheduling	2010
S Montalva, J C Munoz, R Paredes	Assignment of work shifts to public transit drivers based on stated preferences	2010
F Corman, A D'Ariano, D Pacciarelli, M Pranzo	Centralised versus distributed systems to reschedule trains in two dispatching areas	2010
E J W Abbink, D G A Mobach, P J Fioole, L G Kroon, E H T van der Heijden, N J E Wijngaards	Real-time train driver rescheduling by actor-agent techniques	2010
S Hess, E R Greene, C S Falzarano, M Muriello	Pay to drive in my bus lane: A stated choice analysis for the proposed Lincoln tunnel HOT lane into Manhattan	2010