



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

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

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World Transit Research Newsletter

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7-1-2011

# July 2011 World Transit Research Newsletter

Institute of Transport Studies (Monash University)

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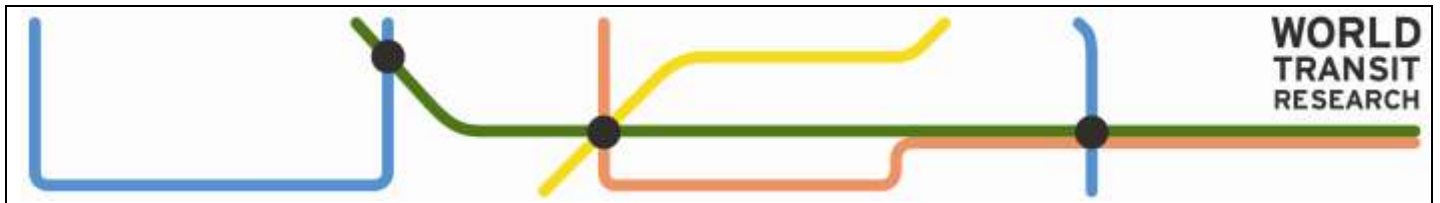
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**MONASH** University



## 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](http://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.

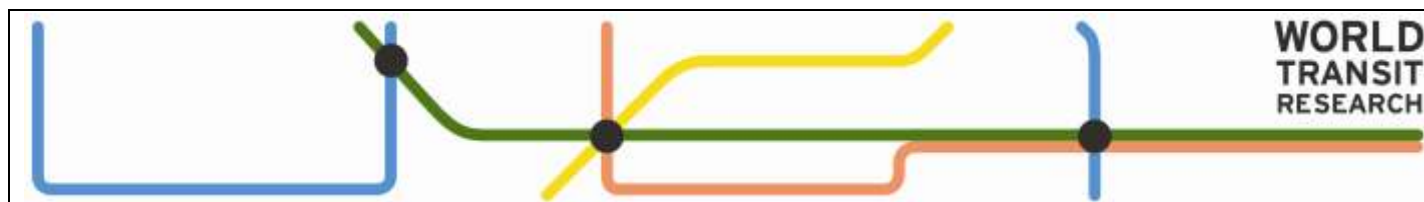
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#### **SUGGESTIONS WELCOMED**

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



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