



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

9-1-2011

September 2011 World Transit Research Newsletter

Institute of Transport Studies (Monash University)

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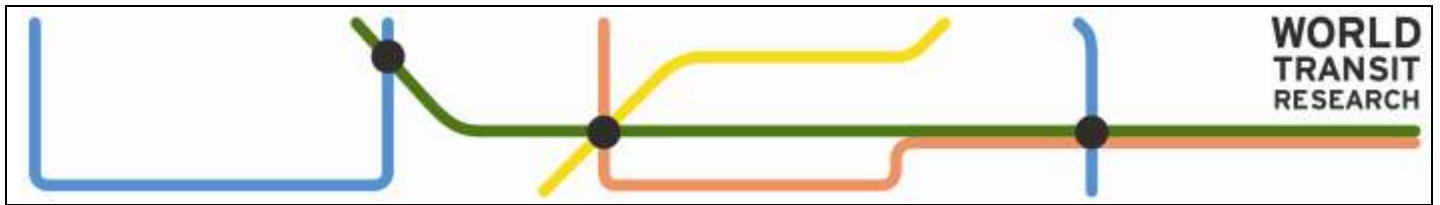
Recommended Citation

Institute of Transport Studies (Monash University). (2011). September 2011 World Transit Research Newsletter.

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MONASH University



World Transit Research

September 2011 Newsletter

<http://www.worldtransitresearch.info>

Welcome to the seventh 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 3,881 research reports/papers. Some 68 newly 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.

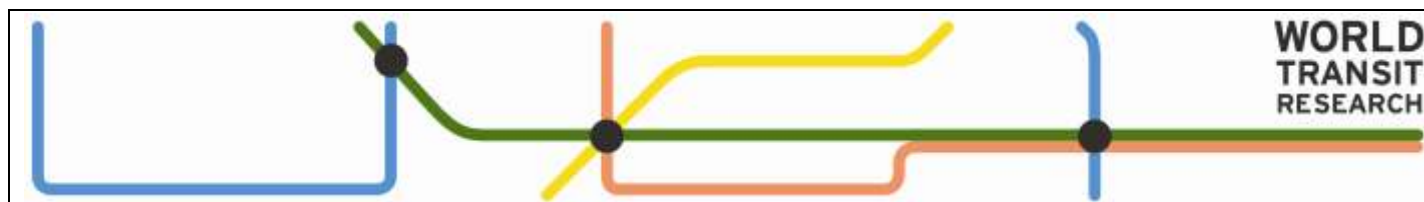
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SUGGESTIONS WELCOMED

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	DATE
A Delbosc, G Currie	Using Lorenz curves to assess public transport equity	2011
C Chen, Y Xu, X Fu	Bus route travel time reliability analysis based on travelers' perceptions	2011
C Huang, Y Xia	Urban rail transit construction and regional economic development in China	2011
P J Haas, K Estrada	Revisiting factors associated with the success of ballot initiatives with a substantial rail transit component	2011
N Houston, C Baldwin, A Vann Easton, J Sangillo	National special security events: Transportation planning for planned special events	2011
L dell'Olio, A Ibeas, P Cecin, F dell'Olio	Willingness to pay for improving service quality in a multimodal area	2011
S L Reich, J L Davis	Analysis of contracting for fixed route bus service	2011
D Duff, J Sutter Starke, G K Woodman,	Legal aspects relevant to outsourcing transit functions not traditionally outsourced	2011
C F Liao	Data-driven support tools for transit data analysis, scheduling and planning	2011
D M Schultz, S Gilbert	Video surveillance uses by rail transit agencies	2011
T Plaskon, S Trainor, M Grant	Statewide transit goal setting	2011
K E Watkins, B Ferris, A Borning, G S Rutherford, D Layton	Where is my bus? Impact of mobile real-time information on the perceived and actual wait time of transit riders	2011
Center for Transit-Oriented Development	Planning for TOD at the regional scale: The big picture	2011
S A Bagloee, A Ceder	Transit-network design methodology for actual-size networks	2011
Harrington-Hughes and Associates	Funding for infrastructure maintenance: Achieving and sustaining a state of good repair	2011
Y Hamdouch, H W Ho, A Sumalee, G Wang	Schedule-based transit assignment model with vehicle capacity and seat availability	2011
P Okunieff, B S Eisenhart, N Neuerburg, E Thomas, S Sharp	e-Transit: Electronic business strategies for public transportation. Vol. 9: Transit enterprise architecture and planning framework	2011
C Zhu, Z Wang, X Shan	Evaluation of urban rail network based on analytic network process	2011
S Qi, Q Peng	Horizontal development strategy for ITS in urban transit system	2011
L Zhang, X Qiu, L Yang	A genetic algorithm for the city coach station location and distribution of transit lines	2011
Z Wang, C Zhu, S Shan	Cost analysis of public transport in Shanghai	2011
X Yu, F Chen	Coordination between urban planning and transportation hub design of passenger dedicated line	2011
H Lv, S Ni, X Fan	Computer-Aided design system of operation organization: urban rail transit	2011
J Li, Y Huang	Short-term traffic flow forecasting of urban rail transit based on fractal theory	2011
J F Morgan, T E Trimble, D S Bowman, S Baker, R Pickett, D Murray, G Bergoffen	Synthesis of literature relating to cellular telephone/Personal Digital Assistant use in commercial truck and bus operations	2011
R N Fries, A E Dunning, M A Chowdhury	University traveler value of potential real-time transit information	2011
M R Greer, B van Campen	Influences on public transportation utilization: The case of Auckland	2011
M S Al Mamun, N E Lownes	A composite index of public transit accessibility	2011
S S Pulugurtha, V R Duddu, R Mora	Identifying inaccessible areas with potential to enhance transit market	2011
W Wu, A Gan, F Cevallos, L D Shen	Selecting bus stops for accessibility improvements for riders with physical disabilities	2011
H Zhou, S Bromfield, P S Lin	An overview of yield-to-bus programs in Florida	2011
J M Goldman, G Murray	Strollers, carts and other large items on buses and trains	2011
S Giering	Public participation strategies for transit	2011
Transportation Research Board	Public transportation systems as the foundation for economic growth	2011
S Farag, G Lyons	To use or not to use? An empirical study of pre-trip public transport information for business and leisure trips and comparison with car travel	2011
P Bass, P Donoso, M Munizaga	A model to assess public transport demand stability	2011
H K Ya, Y Yoshida, A Zhang	Social efficiency benchmarking of Japanese domestic transport services: a comparison of rail and air	2011
L Meng, X Zhou	Robust single-track train dispatching model under a dynamic and stochastic environment: A scenario-based rolling horizon solution approach	2011

J Gutierrez, O D Cardoso, J C Garcia-Palomaresa	Transit ridership forecasting at station level: an approach based on distance-decay weighted regression	2011
M Dijk, C Mantalvo	Policy frames of Park-and-Ride in Europe	2011
Z Li, D A Hensher	Crowding and public transport: A review of willingness to pay evidence and its relevance in project appraisal	2011
J Goodwill, D Sapper	Florida bus maintenance staffing practices	2011
E Den Boer, H van Essen, F Brouwer, E Pastori, A Moizo	Potential of modal shift to rail transport – Study on the projected effects of GHC emissions and transport volumes	2011
F Robinson, M Schmit, L Munnich	Potential viability of automated rapid transit at the Minneapolis-St Paul Airport	2011
Z C Li, W H K Lam, S C Wong, A Sumalee	Design of a rail transit line for profit maximization in a linear transportation corridor	2011
M L Outwater, G Spitz, J Lobb, M Campbell, B Sana, R Pendyala, W Woodford	Characteristics of premium transit services that affect mode choice TCRP H-37 summary of Phase 1	2011
Y Popuri, K Prousaloglou, C Ayvalik, F Koppelman, A Lee	Importance of traveler attitudes in the choice of public transportation to work: findings from the regional transportation authority attitudinal survey	2011
A Khosravi, E Mazloumi, S Nahavandi, D Creighton, J W C Van Lint	A genetic algorithm-based method for improving quality of travel time prediction intervals	2011
F Corman, A. D'Ariano, D Pacciarelli, M Pranzo	Optimal inter-area coordination of train rescheduling decisions	2011
A Perugia, L Moccia, J F Cordeau, G Laporte	Designing a home-to-work bus service in a metropolitan area	2011
Y S Chung, J T Wong	Developing effective professional bus driver health programs: An investigation of self-rated health	2011
S McDonnell, M Zellner	Exploring the effectiveness of bus rapid transit a prototype agent-based model of commuting behavior	2011
D Palmer, C James, M Jones,	Door to door journeys	2011
M G Karlaftis	Modeling transit vehicle repair duration and active service time	2010
M Mesbah, M Sarvi, G Currie, M Saffarzadeh	Policy-making tool for optimization of transit priority lanes in urban network	2010
Y Y Ulusoy, S I Jy Chien, C H Wei	Optimal all-stop, short-turn, and express transit services under heterogeneous demand	2010
Y C (Rex) Lai, M C Shih, J C Jong	Railway capacity model and decision support process for strategic capacity planning	2010
N Foletta, M Estrada-Romeu, M Roca-Riu, P Marti	New modifications to bus network design methodology	2010
H Larrain, R Giesen, J C Munoz	Choosing the right express services for bus corridor with capacity restrictions	2010
X Meng, L Jia, Y Qin	Train timetable optimizing and rescheduling based on improved particle swarm Algorithm	2010
S Kikuchi, N Kronprasert	Constructing transit origin-destination tables from fragmented data	2010
O Cats, W Burghout, T Toledo, H N Koutsopoulos	Mesoscopic modeling of bus public transportation	2010
T Adler, Y Dehghani, C Gihring	Estimating price elasticities of ferry demand	2010
M Mattingly, P S Sriraj, E W Welch, B Bhojraj	Measuring and assessing perceptions of success in a transit agency's stakeholder involvement program	2010
M Zhang	Can transit-oriented development reduce peak-hour congestion	2010