



**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 Newsletter

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3-2014

# World Transit Research March 2014 Newsletter

Institute of Transport Studies, Monash University

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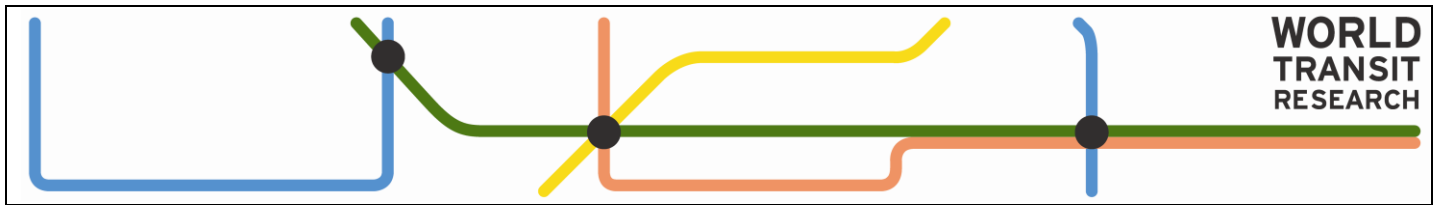
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**MONASH** University



## World Transit Research

### March 2014 Newsletter

<http://www.worldtransitresearch.info>

Welcome to the Twentysecond 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 7,000 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.

#### **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 WEBSITE MANAGER**

WTR has a new website manager, Wendy Walker. Welcome to Wendy and many thanks go to the previous manager, Pauline Forbes who has moved on to a new role at Monash.

#### **NEW ADDITIONS**

World Transit Research clearinghouse now includes some 5,067 research reports/papers. Some 68 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.

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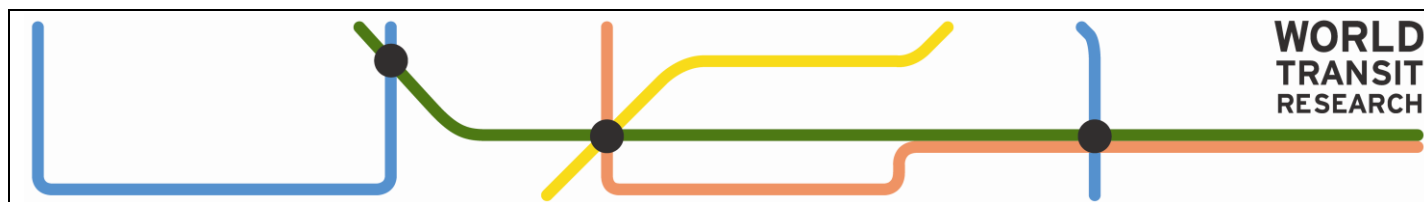
Articles on the following two pages denoted with an asterisk \* are from Journals that require a subscription to view the full article.

#### **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)

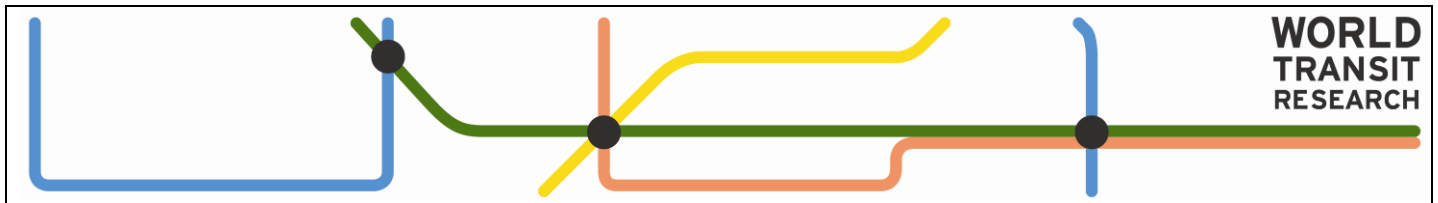
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## WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	DATE
D Deka, T Marchwinski	<a href="#">The revenue and environmental benefits of new off-peak commuter rail service: the case of the Pascack Valley line in New Jersey*</a>	2014
C Upchurch, M Kuby	<a href="#">Evaluating light rail sketch planning: actual versus predicted station boardings in Phoenix*</a>	2014
R Carreira, L Patrício, R N Jorge, C Magee	<a href="#">Understanding the travel experience and its impact on attitudes, emotions and loyalty towards the transportation provider—A quantitative study with mid-distance bus trips*</a>	2014
K Sivakumaran, Y Li, M Cassidy, S Madanat	<a href="#">Access and the choice of transit technology*</a>	2014
F Dreves, D K. Tscheulin, J Lindenmeier, S Renner	<a href="#">Crowding-in or crowding out: An empirical analysis on the effect of subsidies on individual willingness-to-pay for public transportation*</a>	2014
H Badia, M Estrada, F Robusté	<a href="#">Competitive transit network design in cities with radial street patterns*</a>	2014
T-H Tsai	<a href="#">A self-learning advanced booking model for railway arrival forecasting*</a>	2014
Y Sasaki	<a href="#">Optimal choices of fare collection systems for public transportations: Barrier versus barrier-free*</a>	2014
W Ma, K. Larry Head, Y Feng	<a href="#">Integrated optimization of transit priority operation at isolated intersections: A person-capacity-based approach*</a>	2014
B Pender, G Currie, A Delbosc, N Shiwakoti	<a href="#">Improving bus bridging responses via satellite bus reserve locations*</a>	2014
Z Ma, J Xing, M Mesbah, L Ferreira	<a href="#">Predicting short-term bus passenger demand using a pattern hybrid approach*</a>	2014
R Griffin, C Huisingh, G McGwin Jr	<a href="#">Prevalence of and factors associated with distraction among public transit bus drivers*</a>	2014
X-y Xu, J Lui, H-y Li, J-Q Hu	<a href="#">Analysis of subway station capacity with the use of queueing theory*</a>	2014
B Yao, P Hu, X Lu, J Gao, M Zhang	<a href="#">Transit network design based on travel time reliability*</a>	2014
K Goh, G Currie, M Sarvi, D Logan	<a href="#">Factors affecting the probability of bus drivers being at-fault in bus-involved accidents*</a>	2014
J G Jin, L C Tang, L Sun, D-H Lee	<a href="#">Enhancing metro network resilience via localized integration with bus services*</a>	2014
S Karou, A Hull	<a href="#">Accessibility modelling: predicting the impact of planned transport infrastructure on accessibility patterns in Edinburgh, UK*</a>	2014
T Tsekeris, A-Z Souliotou	<a href="#">Graph-theoretic evaluation support tool for fixed-route transport development in metropolitan areas*</a>	2014
E Guerra	<a href="#">Mexico City's suburban land use and transit connection: The effects of the Line B Metro expansion*</a>	2014
A Tirachini, D H. Hensher, J M. Rose	<a href="#">Multimodal pricing and optimal design of urban public transport: The interplay between traffic congestion and bus crowding*</a>	2014
K. I. Wong, A. F. Han, C. W. Yuen	<a href="#">On dynamic demand responsive transport services with degree of dynamism*</a>	2014
B Flamm, C Rivasplata	<a href="#">Perceptions of Bicycle-Friendly Policy Impacts on Accessibility to Transit Services: The First and Last Mile Bridge</a>	2014
A Ceder, Y Hadas, M Mclvor, A Ang	<a href="#">Transfer Synchronization of Public Transport Networks*</a>	2014
A Nasri, L Zhang	<a href="#">The analysis of transit-oriented development (TOD) in Washington, D.C. and Baltimore metropolitan areas*</a>	2014
A Deri, A Kalpakci	<a href="#">Efficient Usage of Transfer based System in Intracity Bus Transit Operation: Sample of Izmir*</a>	2014
L Nurhadi, S Borén, H Ny	<a href="#">Advancing from Efficiency to Sustainability in Swedish Medium-sized Cities: An Approach for Recommending Powertrains and Energy Carriers for Public Bus Transport Systems*</a>	2014
P Melo, J Ribau, C Silva	<a href="#">Urban Bus Fleet Conversion to Hybrid Fuel Cell Optimal Powertrains*</a>	2014
L Eboli, C Forciniti, G Mazzulla	<a href="#">Service Coverage Factors Affecting Bus Transit System Availability*</a>	2014
Å Nyblom	<a href="#">Making plans or “just thinking about the trip”? Understanding people’s travel planning in practice*</a>	2014
D Perrotta, J L Macedo, R J F Rossetti, J F de Sousa, Z Kokkinogenis, B Ribeiro, J L Afonso	<a href="#">Route Planning for Electric Buses: A Case Study in Oporto*</a>	2014

S Carrese, A Gemma, S La Spada	<a href="#">An Emission Model to Compare Bus and Tramway Transport*</a>	2014
A Adamski	<a href="#">DISCON: Public Transport Dispatching Robust Control*</a>	2014
A Vitale, D C Festa, G Guido, D Rogano	<a href="#">A Decision Support System based on Smartphone Probes as a Tool to Promote Public Transport*</a>	2014
M C Ferreira, H Nóvoa, T Galvão Dias, J Falcão e Cunha	<a href="#">A Proposal for a Public Transport Ticketing Solution based on Customers' Mobile Devices*</a>	2014
Á Costa, S Ebert, T Stanislau	<a href="#">Impact Analysis of Managerial Decisions on the Overall Performance of a Public Transport Operator: The Case of STCP*</a>	2014
A A Nunes, T Galvão, J Falcão e Cunha	<a href="#">Urban Public Transport Service Co-creation: Leveraging Passenger's Knowledge to Enhance Travel Experience*</a>	2014
S Pensa, E Masala, M Arnone, A Rosa	<a href="#">Planning Local Public Transport: A Visual Support to Decision-making*</a>	2014
A Placido, V De Martinis, B Montella, M Gallo, L D'Acerno	<a href="#">Effects of Travel Demand Levels on Optimal Strategies for Metro System Management in Failure Contexts*</a>	2014
A Galelo, A Ribeiro, L M Martinez	<a href="#">Measuring and Evaluating the Impacts of TOD Measures – Searching for Evidence of TOD Characteristics in Azambuja Train Line*</a>	2014
R de Oña, L Eboli, G Mazzulla	<a href="#">Monitoring Changes in Transit Service Quality over Time*</a>	2014
E Rodríguez-Núñez, J C García-Palomares	<a href="#">Measuring the vulnerability of public transport networks*</a>	2014
Y J Singh, P Fard, M Zuidgeest, M Brussel, M van Maarseveen	<a href="#">Measuring transit oriented development: a spatial multi criteria assessment approach for the City Region Arnhem and Nijmegen*</a>	2014
J Y J Chow, H R Sayarshad	<a href="#">Symbiotic network design strategies in the presence of coexisting transportation networks*</a>	2014
M J Smart	<a href="#">A volatile relationship: The effect of changing gasoline prices on public support for mass transit*</a>	2014
R-C Jou, T-Y Chen	<a href="#">Factors affecting public transportation, car, and motorcycle usage*</a>	2014
A McLellan, D Collins	<a href="#">"If You're Just a Bus Community ... You're Second Tier": Motivations for Rapid Mass Transit (RMT) Development in Two Mid-sized Cities*</a>	2014
C Lamontagne	<a href="#">Advanced Wayside Energy Storage Systems for Rail Transit*</a>	2013
S A H. Zahabi, L F. Miranda-Moreno, Z Patterson, P Barla	<a href="#">Urban Transportation Greenhouse Gas Emissions and Their Link with Urban Form, Transit Accessibility, and Emerging Green Technologies Montreal, Quebec, Canada, Case Study*</a>	2013
X Wang, A Khattak, Y Zhang	<a href="#">Is Smart Growth Associated with Reductions in Carbon Dioxide Emissions?*</a>	2013
C-H P Tsai, C Mulley, G Clifton	<a href="#">A Review of Pseudo Panel Data Approach in Estimating Short-run and Long-run Public Transport Demand Elasticities*</a>	2013
J Chang, C Morahan, G Rive, J Thomas, C Crooks	<a href="#">Customers requirements of multimodal travel information systems</a>	2013
F Shi, G-m Xu, B Liu, H Huang	<a href="#">Optimization method of alternate traffic restriction scheme based on elastic demand and mode choice behavior*</a>	2013
T Bhattacharya, J R. Brown, M Jaroszynski, T Batuhan	<a href="#">Restructuring from a Central Business District-Focused to a Decentralized Transit System*</a>	2013
L Naegeli, H Orth, U Weidmann, A Nash	<a href="#">High-Quality Public Transport and Promotion of Nonmotorized Transport—Compromise or Complement?*</a>	2013
S G Lee, D Tong, M Hickman	<a href="#">Generating Route-Level Mutually Exclusive Service Areas*</a>	2013
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K Bertolaccini, N E. Lownes	<a href="#">Effects of Scale and Boundary Selection in Assessing Equity of Transit Supply Distribution*</a>	2013
C Frei, H S. Mahmassani	<a href="#">Riding More Frequently, Estimating Disaggregate Ridership Elasticity for a Large Urban Bus Transit Network*</a>	2013
V Perk, S Bovino, M Catalá, S Reader, S Ulloa	<a href="#">Silver Line Bus Rapid Transit in Boston, Massachusetts, Impacts on Sale Prices of Condominiums Along Washington Street*</a>	2013
M Schabas	<a href="#">Who Rides Airport Railways? The Case of London City Airport*</a>	2013
R Nail, J Kumi, K Denny, E Miller-Hooks	<a href="#">Robust Dynamic Distribution of Security Assets in Transit Systems*</a>	2013
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R Juster, P Schonfeld	<a href="#">Comparative Analysis of Personal Rapid Transit as an Urban Transportation Mode*</a>	2013
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S Shahin, T O Hüseyin, Ö S Kemal	<a href="#">Evaluating Transportation Preferences for Special Events: A Case Study for a Megacity, Istanbul*</a>	2014

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