



**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**

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World Transit Research Newsletter

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3-1-2012

# March 2012 World Transit Research Newsletter

Institute of Transport Studies

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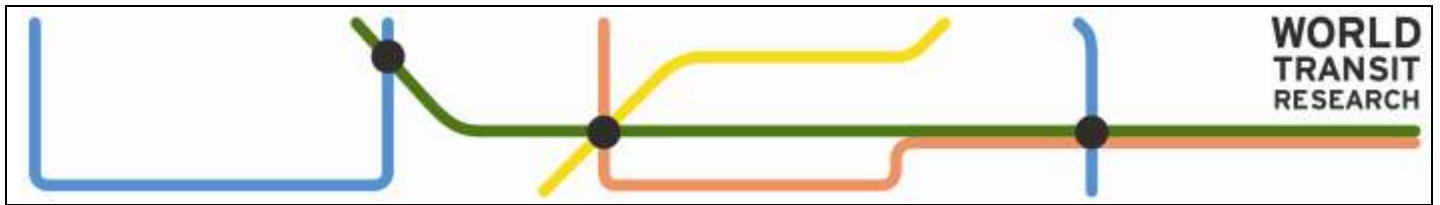
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**MONASH** University



## World Transit Research

### March 2012 Newsletter

<http://www.worldtransitresearch.info>

Welcome to the tenth 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 6,140 cities and towns in 169 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 4,106 research reports/papers. Some 75 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](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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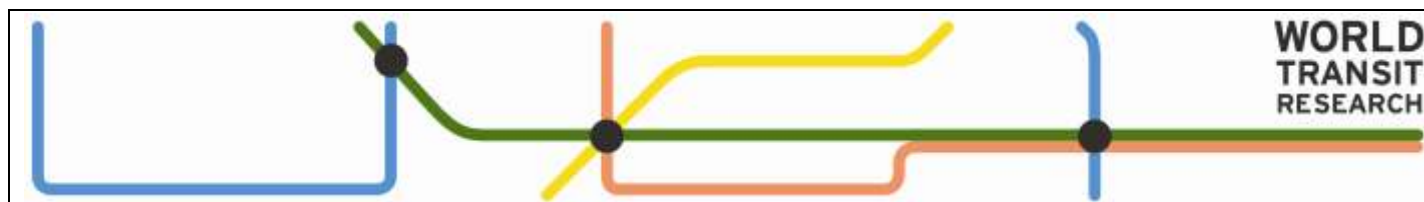
#### **JOURNAL SUBSCRIPTIONS**

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

#### **SUGGESTIONS WELCOMED**

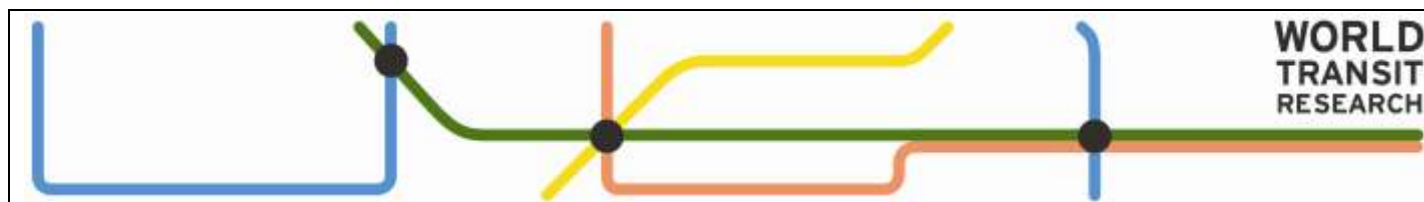
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Pauline Forbes  
Research Clearing House Manager  
[enquiries@worldtransitresearch.info](mailto:enquiries@worldtransitresearch.info)  
PH +61 3 9905 5568 Fax: +61 3 9905 4944

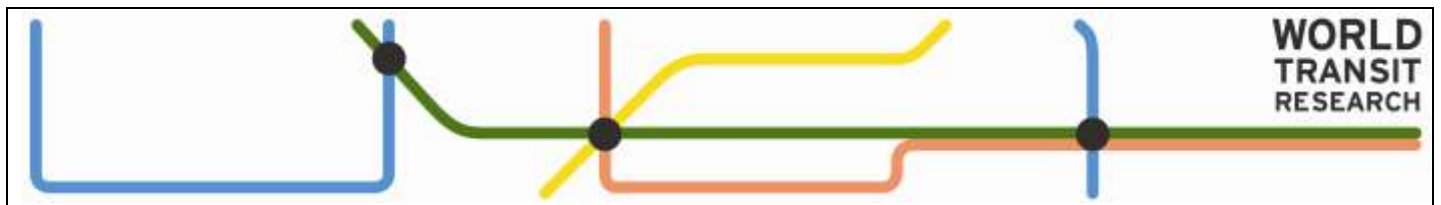


## WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

| AUTHOR  | TITLE   | DATE |
|---|---|------|
| M Saavedra, B Hellinga, J Casello                 | <a href="#">Automated quality assurance methodology for archived transit data from automatic vehicle location and passenger counting systems</a> *                    | 2012 |
| I P Wallis, D Schneiders                          | <a href="#">New Zealand bus policy model</a>  | 2012 |
| C H Wen, W W Huang, C Fu, P Y Chou                | <a href="#">A latent class generalized nested logit model and its application to modeling carrier choice with market segmentation</a> *                               | 2012 |
| K Martens, A Golub, G Robinson                    | <a href="#">A justice-theoretic approach to the distribution of transportation benefits: Implications for transportation planning practice in the United States</a> * | 2012 |
| Y Hadas, P Ranjitkar                              | <a href="#">Modeling public-transit connectivity with spatial quality-of-transfer measurements</a> *  | 2012 |
| S Bhattacharjee, A R Goetz                        | <a href="#">Impact of light rail on traffic congestion in Denver</a> *  | 2012 |
| U Lachapelle, R B Noland                          | <a href="#">Does the commute mode affect the frequency of walking behavior? The public transit link</a> *   | 2012 |
| L Tang, P V Thakuriah                             | <a href="#">Ridership effects of real-time bus information system: A case study in the city of Chicago</a> *  | 2012 |
| J Q Li  | <a href="#">Match bus stops to a digital road network by the shortest path model</a> *  | 2012 |
| R D Knowles                                       | <a href="#">Transit Oriented Development in Copenhagen, Denmark: from the Finger Plan to Ørestad</a> *  | 2012 |
| C P Tribby, P A Zandbergen                        | <a href="#">High-resolution spatio-temporal modeling of public transit accessibility</a> *  | 2012 |
| D B Hess  | <a href="#">Walking to the bus: perceived versus actual walking distance to bus stops for older adults</a> *  | 2012 |
| J Turner  | <a href="#">Urban mass transit, gender planning protocols and social sustainability – The case of Jakarta</a> *   | 2012 |
| C E Ferrell, S Mathur, J Meek, M Piven            | <a href="#">Neighborhood crime and travel behavior: An investigation of the influence of neighborhood crime rates on mode choice – Phase II</a>                       | 2012 |
| R Risser, S Iwarsson, A Stahl                     | <a href="#">How do people with cognitive functional limitations post-stroke manage the use of buses in local public transport?</a> *                                  | 2012 |
| K Jansson, T Angell                               | <a href="#">Is it possible to achieve both a simple and efficient public transport zone fare structure? Case study Oslo</a> *   | 2012 |
| N B Houseell, B P Shrestha, A Wong                | <a href="#">Data management and applications in a world-leading bus fleet</a> *   | 2012 |
| E I Diab, A M El-Geneidy                          | <a href="#">Understanding the impacts of a combination of service improvement strategies on bus running time and passenger perception</a> *                           | 2012 |
| E C Delmelle, I Casas                             | <a href="#">Evaluating the spatial equity of bus rapid transit-based accessibility patterns in a developing country: The case of Cali, Colombia</a> *                 | 2012 |
| B Yu, Z Z Yang, P H Jin, S H Wu, B Z Yao          | <a href="#">Transit route network design-maximizing direct and transfer demand density</a> *  | 2012 |
| J M del Castillo, F G Benitez                     | <a href="#">Determining a public transport satisfaction index from user surveys</a> *   | 2012 |
| F Calvo, J De Ona                                 | <a href="#">Are rail charges connected to costs?</a> *  | 2012 |
| J D Lees-Miller, R E Wilson                       | <a href="#">Sampling of redistribution of empty vehicles for personal rapid transit</a> *   | 2012 |
| J Teng, Y Chen, M Zhao, X Yang, B Shen            | <a href="#">Scheduling of feeder vehicles for intermodal services for special events</a> *  | 2012 |
| J An, N Uno, X G Yang, H D Liu, Y Shiomi          | <a href="#">Measurement of travel fatigue objective monitoring and subjective estimation</a> *  | 2012 |
| S A Figler, P S Sriraj, E W Welch, N Yavuz        | <a href="#">Customer loyalty and Chicago, Illinois, Transit Authority buses results from 2008 customer satisfaction survey</a> *                                      | 2012 |
| L D Galicia, R Rajbhandari, R L Cheu, R M Aldrete | <a href="#">Analysis of transit service coverage level-of-service measures at border regions and suggested alternative procedure</a> *                                | 2012 |
| J C Jong, Y C R Lai, S H Huang, P C Chiang        | <a href="#">Development and application of rail transit capacity models in Taiwan</a> *   | 2012 |
| A Yoh, H Iseki, M Smart, B D Taylor               | <a href="#">Hate to wait effects of wait time on public transit travelers' perception</a> *   | 2012 |
| J Tsai, T Cook, D J Findley, M Miller             | <a href="#">North Carolina Ferry System, A Study</a> *  | 2012 |
| C Brakewood, G Kocur                              | <a href="#">Modeling transit rider preferences for contactless bank cards as fare media transport for London, and the Chicago, Illinois transit authority</a> *       | 2012 |
| A V Reddy, J Kuhls, A Lu                          | <a href="#">Measuring and controlling subway fare evasion improving safety and security at New York city transit authority</a> *                                      | 2012 |
| J Lee   | <a href="#">Uncovering San Francisco, California Muni's proof-of-payment patterns to help reduce fare evasion</a> *   | 2012 |



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|---|--|------|
| L Tang, P V Thakuriah   | <a href="#">Will psychological effects of real-time transit information systems lead to ridership gain? *</a>                                      | 2012 |
| G Currie, M Mesbah  | <a href="#">Visualization of Geographical Information System and Automatic Vehicle Location data to explore transit performance *</a>              | 2012 |
| O Cats, A N Larijani, H N Koutsopoulos, W Burghout                      | <a href="#">Impacts of holding control strategies on transit performance bus simulation model analysis *</a>                                       | 2012 |
| Y Ji, R G Mishalani, M R McCord, P K Goel                               | <a href="#">Identifying homogeneous periods in bus route origin-destination passenger flow patterns from automatic passenger counter data *</a>    | 2012 |
| M Trompet, X Liu, D J Graham  | <a href="#">Development of Key Performance Indicator to compare regularity of service between urban bus operators *</a>                            | 2012 |
| A Lu, A Reddy   | <a href="#">Algorithm to measure daily bus passenger miles using electronic farebox data for national transit database section 15 reporting *</a>  | 2012 |
| P C Melo, N G Harris, D J Graham, R J Anderson, A Barron                | <a href="#">Determinants of delay incident occurrence in urban metros *</a>  | 2012 |
| J Lau, M Hatzopoulou, M M Wahba, E J Miller                             | <a href="#">Integrated multimodel evaluation of transit bus emissions in Toronto, Canada*</a>  | 2012 |
| S Concas, P L Winters   | <a href="#">Estimating costs and benefits of emissions reduction strategies for transit by extending the TRIMMS model</a>                          | 2012 |
| J Bachand-Marleau, J Larsen, A M El-Geneidy                             | <a href="#">Much-anticipated marriage of cycling and transit, how will it work? *</a>  | 2011 |
| T Litman  | <a href="#">Evaluating public transit as an energy conservation and emission reduction strategy</a>  | 2011 |
| S Gao, Z Wu   | <a href="#">Modeling passenger flow distribution based on travel time of urban rail transit *</a>  | 2011 |
| A Z Zeng, C F Durach, Y Fang  | <a href="#">Collaboration decisions on disruption recovery service in urban public tram systems *</a>  | 2011 |
| H Poorzahedy, F Safari  | <a href="#">An ant system application to the bus network design problem: An algorithm and a case study *</a>                                       | 2011 |
| E J W Abbink, L Abino, T Dollevoet, D Huisman, J Roussado, R L Saldanha | <a href="#">Solving large scale crew scheduling problems in practice *</a>   | 2011 |
| D A Hensher, J M Rose, A T Collins                                      | <a href="#">Identifying commuter preferences for existing modes and a proposed Metro in Sydney, Australia with special reference to crowding *</a> | 2011 |
| W Wang, J P Attanucci, N H M Wilson                                     | <a href="#">Bus passenger origin-destination estimation and related analysis</a>   | 2011 |
| G L Thompson, J Brown, T Bhattacharya, M Joroszynski                    | <a href="#">Understanding transit ridership demand for a multi-destination, multimodal transit network in an American metropolitan area</a>        | 2011 |
| K W Lowrie, J A Shaw, M R Greenberg                                     | <a href="#">Assessment of surface transportation security training needs and delivery preferences</a>  | 2011 |
| B Finn, C Mulley  | <a href="#">Urban bus services in developing countries and countries in transition</a>   | 2011 |
| H Chapman, M Chapman, A (Avi) Ceder                                     | <a href="#">A new architectural design of elevated small group automated rapid transit</a>   | 2011 |
| K BroomE, L Worrall, D Boldy  | <a href="#">Characteristics of age-friendly bus information</a>  | 2011 |
| A Bergman, J Gliebe, J Strathman  | <a href="#">Modeling access mode choice for inter-suburban commuter rail</a>   | 2011 |
| A Steinfeld, J Zimmerman, A Tomasic, D Yoo, R Dar Aziz                  | <a href="#">Mobile transit information from universal design and crowdsourcing *</a>   | 2011 |
| D J Sun, Z R Peng, X Shan, W Chen, X Zeng                               | <a href="#">Development of web-based transit planning system based on service-oriented architecture *</a>  | 2011 |
| M Nazem, M Trepanier, C Morency   | <a href="#">Demographic analysis of route choice for public transit *</a>  | 2011 |
| B Long, K Choocharukul, T Nakatsuji                                     | <a href="#">Psychological factors influencing behavioral intention toward future sky train useage in Phnom Penh, Cambodia *</a>                    | 2011 |
| O Cats, H N Koutsopoulos, W Burghout, T Toledo                          | <a href="#">Effect of real time transit information on dynamic path choice of passengers *</a>   | 2011 |
| V L Bernardin Jr, A Swenson, Z Jiang, M Grovak                          | <a href="#">Income effects and other new findings on complexity of transit tours *</a>   | 2011 |
| S Salek Moghaddam, R Noroozi, J M Casello, B Hellinga                   | <a href="#">Predicting the mean and variance of transit segment and route travel times *</a>   | 2011 |
| F Gallivan, J Ang-Olson, C B Liban, A Kusumoto                          | <a href="#">Cost-effective approaches to reduce greenhouse gas emissions through public transportation in Los Angeles, California *</a>            | 2011 |
| V W Stover, C H C Bae   | <a href="#">Impact of gasoline prices on transit ridership in Washington State *</a>   | 2011 |



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|---|---|------|
| M Scherer, U Weidmann   | <a href="#">Differences in travel behavior and demand potential of tram-and-bus-based neighborhoods evidence from a cluster analysis</a> *      | 2011 |
| K I Hosen, S Bennett Powell                                     | <a href="#">Innovative rural transit services</a>   | 2011 |
| K K Krizek, E W Stonebraker                                     | <a href="#">Assessing options to enhance bicycle and transit integration</a> *  | 2011 |
| S Al Mamun, N E Lowmes  | <a href="#">Measuring service gaps accessibility-based transit need index</a> *   | 2011 |
| D Zielstra, H H Hochmair  | <a href="#">Comparative study of pedestrian accessibility to transit stations using free and proprietary network data</a> *                     | 2011 |
| L Sen, S R Majumdar, M Highsmith,<br>L Cherrington, C Weatherby | <a href="#">Performance measures for public transit mobility management</a>   | 2011 |
| K Lucas, G Currie   | <a href="#">Developing socially inclusive transportation policy: transferring the United Kingdom policy approach to the State of Victoria</a> * | 2011 |
| Y J Nakanishi, W C Fleming                                      | <a href="#">Practices to protect bus operators from passenger assault</a>   | 2011 |
| S L Reich, A Kolpakov   | <a href="#">Tracking costs of alternatively fueled buses in Florida</a>   | 2011 |

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