



**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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2-2016

# World Transit Research February 2016 Newsletter

Institute of Transport Studies Monash University

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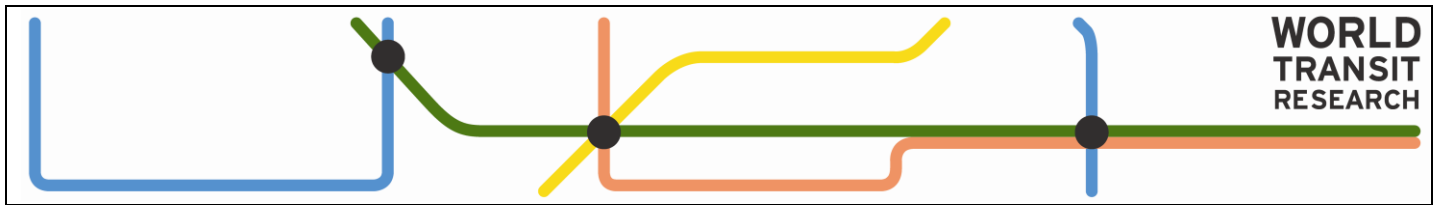
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**MONASH** University



## World Transit Research

### February 2016 Newsletter

<http://www.worldtransitresearch.info>

Welcome to the 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 8,000 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 ADDITIONS**

World Transit Research clearinghouse now includes some 5,775 research reports/papers. Some 61 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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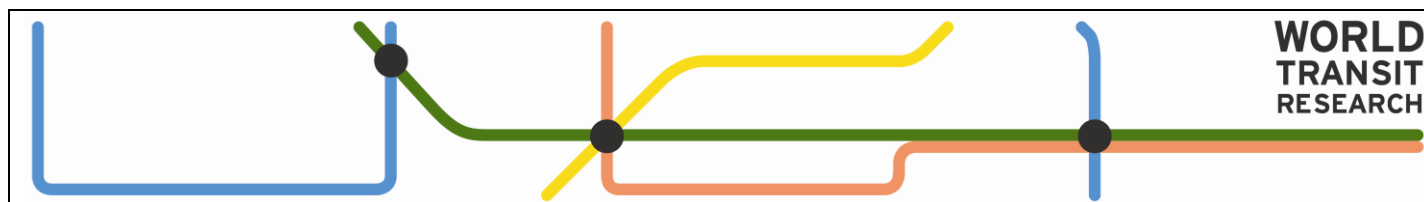
#### **IMPROVED WTR NEWSLETTER FORMAT**

We are always interested in WTR users suggestions to improve the website. This newsletter includes the addition of keyword information suggested by one of our customers. Please feel free to make suggestions for improvements.

#### **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	CATEGORY
X Xu, J Liu, H Li, M Jiang	<a href="#">Capacity-oriented passenger flow control under uncertain demand: Algorithm development and real-world case study*</a>	Infrastructure
G Tiwari, D Jain, K R Rao	<a href="#">Impact of public transport and non-motorized transport infrastructure on travel mode shares, energy, emissions and safety: Case of Indian cities*</a>	Infrastructure
S I Guler, V V Gayah, M Menendez	<a href="#">Bus priority at signalized intersections with single-lane approaches: A novel pre-signal strategy*</a>	Infrastructure
E Christofa, K Ampountolas, A Skabardonis	<a href="#">Arterial traffic signal optimization: A person-based approach*</a>	Infrastructure
B Ahmed, N Hounsell, B Shrestha	<a href="#">Investigating bus priority parameters for isolated vehicle actuated junctions</a>	Infrastructure
F A Consoli, A H Alomari, H Al-Deek, J H Rogers (Jr.), A Sandt, M Noori, O Tatari, M Hadi	<a href="#">Evaluation of Conditional Transit Signal Priority Technology for Regional Implementation*</a>	Infrastructure
Y Z Farid, E Christofa, J Collura	<a href="#">Dedicated Bus and Queue Jumper Lanes at Signalized Intersections with Nearside Bus Stops: Person-Based Evaluation*</a>	Infrastructure
S Canavan, D J Graham, P C Melo, R J Anderson, A S Barron, J M Cohen	<a href="#">Impacts of Moving-Block Signaling on Technical Efficiency: Application of Propensity Score Matching on Urban Metro Rail Systems*</a>	Infrastructure
D Anderson, K Hunter-Zaworski	<a href="#">Platform Edge Detection and Protection Effects on Platform–Train Interface Safety*</a>	Infrastructure
K Arnet, S I Guler, M Menendez	<a href="#">Effects of Multimodal Operations on Urban Roadways*</a>	Infrastructure
B Cesme, S Z Altun, B Lane	<a href="#">Queue Jump Lane, Transit Signal Priority, and Stop Location Evaluation of Transit Preferential Treatments Using Microsimulation*</a>	Infrastructure
J L Rosenblum, D W Allen, T L Bennett, R K Warade, C M Stoughton	<a href="#">Method for Assessing Bus Delay in Mixed Traffic to Identify Transit Priority Improvement Locations in Cambridge, Massachusetts*</a>	Infrastructure
S Walter, M Fellendorf	<a href="#">Long-Term Upgrade Strategy for Light Rail and Regional Rail Robust Methodological Approach*</a>	Infrastructure
L T Truong, M Sarvi, G Currie	<a href="#">Exploring Multiplier Effects Generated by Bus Lane Combinations*</a>	Infrastructure
A Musso, M V Corazza	<a href="#">Visioning the Bus System of the Future: Stakeholders' Perspective*</a>	Infrastructure
N Duduta, A Subedi	<a href="#">Understanding Platform Overcrowding at Bus Rapid Transit Stations*</a>	Infrastructure
A Tirachini, L Sun, A Erath, A Chakirov	<a href="#">Valuation of sitting and standing in metro trains using revealed preferences*</a>	Ridership
V Chakour, N Eluru	<a href="#">Examining the influence of stop level infrastructure and built environment on bus ridership in Montreal*</a>	Ridership
Y Cheng, W Tseng	<a href="#">Exploring the effects of perceived values, free bus transfer, and penalties on intermodal metro–bus transfer users' intention*</a>	Ridership
F Duarte, T Gadda, C A M Luna, F T Souza	<a href="#">What to expect from the future leaders of Bogotá and Curitiba in terms of public transport: Opinions and practices among university students*</a>	Ridership
D Verbich, A El-Geneidy	<a href="#">The pursuit of satisfaction: Variation in satisfaction with bus transit service among riders with encumbrances and riders with disabilities using a large-scale survey from London, UK*</a>	Ridership
A Frei, H Gan	<a href="#">Mode-Switching Behavior with the Provision of Real-Time Multimodal Traveler Information*</a>	Ridership
T Ma, C Liu, S Erdoğan	<a href="#">Bicycle Sharing and Public Transit: Does Capital Bikeshare Affect Metrorail Ridership in Washington, D.C.?*</a>	Ridership
N Villwock-Witte, L van Grol	<a href="#">Case Study of Transit–Bicycle Integration: Openbaar Vervoer-fiets (Public Transport–Bike) (OV-Fiets)*</a>	Ridership
M Liao, G Liu	<a href="#">Modeling Passenger Behavior in Nonpayment Areas at Rail Transit Stations*</a>	Ridership
J Légal, T Meyer, A Csillik, P Nicolas	<a href="#">Goal priming, public transportation habit and travel mode selection: The moderating role of trait mindfulness*</a>	Ridership
W Edwardes, H Rakha	<a href="#">Modeling Diesel and Hybrid Bus Fuel Consumption with Virginia Tech Comprehensive Power-Based Fuel Consumption Model: Model Enhancements and Calibration Issues*</a>	Technology
H Tang, C T Dick, X Feng	<a href="#">Improving Regenerative Energy Receptivity in Metro Transit Systems: Coordinated Train Control Algorithm*</a>	Technology
Z Ma, L Ferreira, M Mesbah, A T Hojati	<a href="#">Modeling Bus Travel Time Reliability with Supply and Demand Data from Automatic Vehicle Location and Smart Card Systems*</a>	Technology

F Delgado, J C Muñoz, R Giesen, N H M Wilson	<a href="#">Integrated Real-Time Transit Signal Priority Control for High-Frequency Segregated Transit Services*</a>	Technology
E Hans, N Chiabaut, L Leclercq, R L Bertini	<a href="#">Real-time bus route state forecasting using particle filter and mesoscopic modeling*</a>	Technology
G G Langlois, H N Koutsopoulos, J Zhao	<a href="#">Inferring patterns in the multi-week activity sequences of public transport users*</a>	Technology
K Papangelis, N R Velaga, F Ashmore, S Sripada, J D Nelson, M Beecroft	<a href="#">Exploring the rural passenger experience, information needs and decision making during public transport disruption*</a>	Technology
TranSys Research Ltd., RailTEC, CPCS Transcom, Lawson Economics Research Inc.	<a href="#">Comparison of Passenger Rail Energy Consumption with Competing Modes</a>	Technology
S Peer, J Knockaert, E T Verhoef	<a href="#">Train commuters' scheduling preferences: Evidence from a large-scale peak avoidance experiment*</a>	Technology
S Das, D Pandit	<a href="#">Methodology to determine service delivery levels for public transportation*</a>	Planning
K An, H K Lo	<a href="#">Two-phase stochastic program for transit network design under demand uncertainty*</a>	Planning
G Johnson, H Scher, T Wittmann	<a href="#">Designing Shuttle Connections to Commuter Rail with Census Origin and Destination Data*</a>	Planning
D Weinzimmer, R L Sanders, H Dittrich, J F Cooper	<a href="#">Evaluation of the Safe Routes to Transit Program in California*</a>	Planning
F Gómez, J P Bocarejo	<a href="#">Accident Prediction Models for Bus Rapid Transit Systems: Generalized Linear Models Compared with a Neural Network*</a>	Planning
Transportation Research Board	<a href="#">New IDEAS for Rail Safety: Annual Report of the Rail Safety IDEA Program</a>	Planning
Transportation Research Board	<a href="#">New IDEAS for Transit: Transit IDEA Program Annual Report</a>	Planning
N Tilahun, M Li	<a href="#">Walking Access to Transit Stations: Evaluating Barriers with Stated Preference*</a>	Planning
J M Cohen, A S Barron, R J Anderson, D J Graham	<a href="#">Impacts of Unattended Train Operations on Productivity and Efficiency in Metropolitan Railways*</a>	Operations
T Liu, A Ceder, J Ma, M M Nesheli, W Guan	<a href="#">Optimal Synchronized Transfers in Schedule-Based Public Transport Networks Using Online Operational Tactics*</a>	Operations
A Gittens, A Shalaby	<a href="#">Evaluation of Bus Reliability Measures and Development of a New Composite Indicator*</a>	Operations
Y Shen, J Xu, J Li	<a href="#">A probabilistic model for vehicle scheduling based on stochastic trip times*</a>	Operations
L E Ramos-Santiago, J R Brown, H Nixon	<a href="#">Transit Performance of Modern-Era Streetcars: Consideration of Five U.S. Cities*</a>	Operations
P Sels, T Dewilde, D Cattrysse, P Vansteenwegen	<a href="#">Reducing the passenger travel time in practice by the automated construction of a robust railway timetable*</a>	Operations
R P Godavarthy, J Mattson, E Ndembe	<a href="#">Cost-Benefit Analysis of Rural and Small Urban Transit in the United States*</a>	Economics
R Brage-Ardao, D J Graham, R J Anderson	<a href="#">Determinants of Train Service Costs in Metro Operations*</a>	Economics
Transportation Research Board	<a href="#">Independent Cost Estimates for Design and Construction of Rural and Small Urban Transit Facilities*</a>	Economics
S Chalermpong, A Ratanawaraha	<a href="#">How Land Use Affects Station Access Behaviors of Bus Rapid Transit Passengers in Bangkok, Thailand*</a>	Landuse
W Ma, S Hsiao, C MacKechnie	<a href="#">Measuring Bus Stops Toward a Sustainable Urban Environment*</a>	Landuse
A Mock, J Thill	<a href="#">Placement of Rapid Transit Park-and-Ride Facilities*</a>	Landuse
TranSys Research Ltd., RailTEC, CPCS Transcom, Lawson Economics Research Inc., Research and Traffic Group	<a href="#">Document and User Guide for the Multi-Modal Passenger Simulation Model for Comparing Passenger Rail Energy Consumption with Competing Modes</a>	Literature Review
S C Kwan, J H Hashim	<a href="#">A review on co-benefits of mass public transportation in climate change mitigation*</a>	Literature Review
E Moylan, F Foti, A Skabardonis	<a href="#">Observed and simulated traffic impacts from the 2013 Bay Area Rapid Transit strike*</a>	Mode
M F Hyland, H Mahmassani	<a href="#">Analytical Five-Phase Bus Rapid Transit Traffic Flow Model*</a>	Mode
S Baker, C Zhong, D Taylor, W F Scott, R Plante	<a href="#">Labor-Management Partnerships for Public Transportation Volume 2: Final Report</a>	Organisation
R Muñoz-Raskin, M U Zijderveld, A Bagolle	<a href="#">Modernization of Urban Public Transport: What Can We Learn from Other Industries About Insertion into the Labor Market and Job Retraining?*</a>	Organisation

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