



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**

World Transit Research Newsletter

4-2016

World Transit Research April 2016 Newsletter

Institute of Transport Studies Monash University

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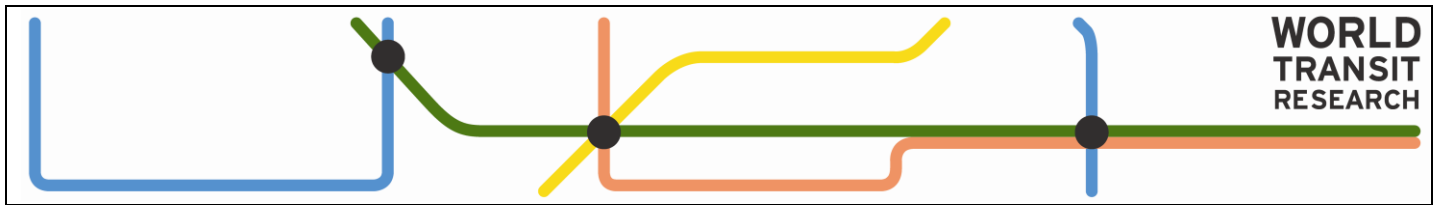
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MONASH University



World Transit Research

April 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 5,861 research reports/papers. Some 85 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 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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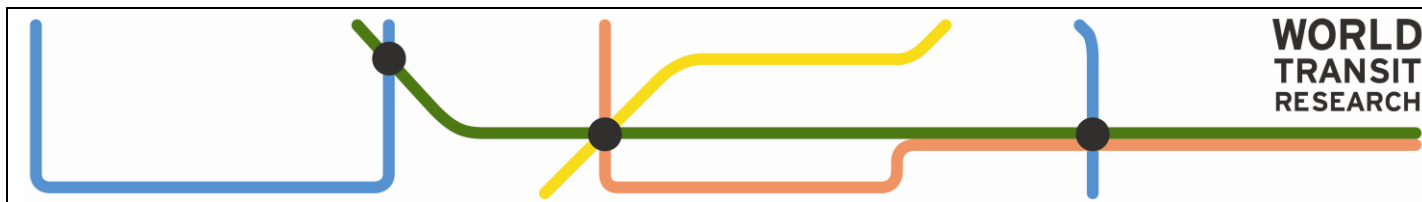
JOURNAL SUBSCRIPTIONS

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

SUGGESTIONS WELCOMED

If you have any queries or suggestions on how to improve our publication, we would love to hear from you at: enquiries@worldtransitresearch.info

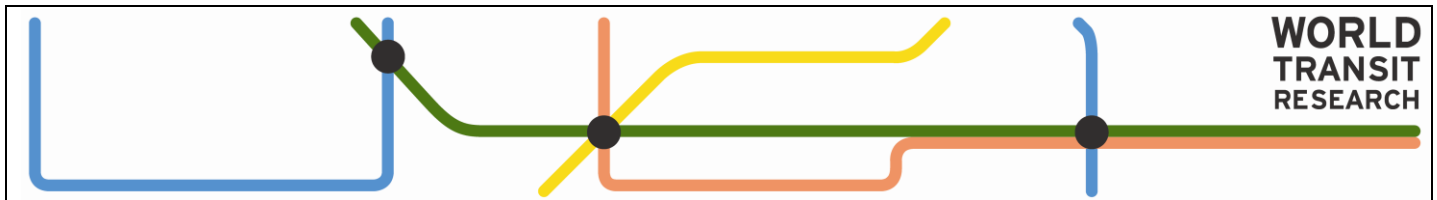
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WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
D Hernández, R Witter	Perceived vs. Actual Distance to Transit in Santiago, Chile	Ridership
M Schiefelbusch	Analyzing and Assessing the Experience of Traveling by Public Transport	Ridership
J R Salvá, M Sierra, A K J Alanis, S Kaplan C G Prato,	Role of Social Climate in Habitual Transit Use by Young Adults to Work and Leisure Activities: Evidence from Colombia and Mexico*	Ridership
R de Oña, J L Machado, J de Oña	Perceived Service Quality, Customer Satisfaction, and Behavioral Intentions: Structural Equation Model for the Metro of Seville, Spain*	Ridership
O Cats, R F Abenoza, C Liu, Y O Susilo	Evolution of Satisfaction with Public Transport and Its Determinants in Sweden: Identifying Priority Areas*	Ridership
M R McCord, R G Mishalani, M Ettefagh	Effect of Real-Time Passenger Information Systems on Perceptions of Transit's Favorable Environmental and Traffic Reduction Roles*	Ridership
S A Kashfi, J M Bunker, T Yigitcanlar	Effects of Transit Quality of Service Characteristics on Daily Bus Ridership*	Ridership
A Soltani, M Tanko, M I Burke, R Farid	Travel Patterns of Urban Linear Ferry Passengers: Analysis of Smart Card Fare Data for Brisbane, Queensland, Australia*	Ridership
N van Oort, T Brands, E de Romph	Short-Term Prediction of Ridership on Public Transport with Smart Card Data*	Ridership
N A Termida, Y O Susilo, J P Franklin	Observing dynamic behavioural responses due to the extension of a tram line by using panel survey*	Ridership
J L Machado-León, R de Oña, J de Oña	The role of involvement in regards to public transit riders' perceptions of the service*	Ridership
M Cools, Y Fabbro, T Bellemans	Free public transport: A socio-cognitive analysis*	Ridership
S Rahman, C Balijepalli	Understanding the determinants of demand for public transport: Evidence from suburban rail operations in five divisions of Indian Railways*	Ridership
M J Beck, J M Rose	The best of times and the worst of times: A new best–worst measure of attitudes toward public transport experiences*	Ridership
M Namgung, G Akar	Influences of Neighborhood Characteristics and Personal Attitudes on University Commuters' Public Transit Use*	Ridership
K Kerkman, K Martens, H Meurs	Factors Influencing Stop-Level Transit Ridership in Arnhem–Nijmegen City Region, Netherlands*	Ridership
A Legrain, R Buliung, A M El-Geneidy	Who, What, When, and Where: Revisiting the Influences of Transit Mode Share*	Ridership
H Iseki, R Ali	Fixed-Effects Panel Data Analysis of Gasoline Prices, Fare, Service Supply, and Service Frequency on Transit Ridership in 10 U.S. Urbanized Areas*	Ridership
M Durning, C Townsend	Direct Ridership Model of Rail Rapid Transit Systems in Canada*	Ridership
N Nassir, M Hickman, A Malekzadeh, E Irannezhad	Modeling Transit Passenger Choices of Access Stop*	Ridership
R P Godavarthy, J Mattson, D Peterson, J Hough	Developing a Method for Assessing National Demand-Response Transit Level of Service	Planning
P Cozens, T van der Linde	Perceptions of Crime Prevention Through Environmental Design (CPTED) at Australian Railway Stations	Planning
S Saidi, S C Wirasinghe, L Kattan	Long-term planning for ring-radial urban rail transit networks*	Planning
O Cats	The robustness value of public transport development plans*	Planning
M Mahmoud, J Hine	Measuring the influence of bus service quality on the perception of users*	Planning
E I Diab, A M El-Geneidy	The Farside Story Measuring the Benefits of Bus Stop Location on Transit Performance*	Planning
R Tan, M Adnan, D Lee, M E Ben-Akiva	New Path Size Formulation in Path Size Logit for Route Choice Modeling in Public Transport Networks*	Planning
P Hendren, J Antos, Y Carney, R Harcum	Transit Travel Time Reliability: Shifting the Focus from Vehicles to Customers*	Planning
J M Bunker	Assessment of Transit Quality of Service with Occupancy Load Factor and Passenger Travel Time Measures*	Planning
G E Sánchez-Martínez, H N Koutsopoulos, N H M Wilson	Event-Driven Holding Control for High-Frequency Transit*	Planning
M Batarce, J C Muñoz, J de Dios Ortúzar, S Raveau, C Mojica, R A Ríos	Use of Mixed Stated and Revealed Preference Data for Crowding Valuation on Public Transport in Santiago, Chile*	Planning
X Huang, Xi Cao, J Cao	The association between transit access and auto ownership: evidence from	Planning

	Guangzhou, China*	
L M Valenzuela-Montes, J A Soria-Lara, M L Navarro-Ligero	Analysing stakeholders' perception of Light Rail Transit as an opportunity to achieve sustainable mobility in Granada (Spain)*	Planning
P Miller, A G de Barros, L Kattan, S C Wirasinghe	Analyzing the sustainability performance of public transit*	Planning
H Orth, A Nash, U Weidmann,	Level-Based Approach to Public Transport Network Planning*	Planning
J M Casello, W Towns, J Bélanger, S Kassiedass	Public Engagement in Public Transportation Projects: Challenges and Recommendations*	Planning
F Naznin, G Currie, D Logan, M Sarvi	Application of a random effects negative binomial model to examine tram-involved crash frequency on route sections in Melbourne, Australia*	Planning
P Lu, D Tolliver	Accident prediction model for public highway-rail grade crossings*	Planning
M M Oliveros, K Nagel	Automatic calibration of agent-based public transit assignment path choice to count data*	Technology
S Chowdhury, N Giacaman	En-Route Planning of Multi-Destination Public-Transport Trips Using Smartphones	Technology
B Suchkov, M Boguslavsky, A Reddy	Development of a Real-Time Stringlines Tool to Visualize Subway Operations and Manage Service at New York City Transit*	Technology
H Krambeck, L Qu	Toward an Open Transit Service Data Standard in Developing Asian Countries*	Technology
T B Glick, W Feng, R L Bertini, M A Figliozzi	Exploring Applications of Second-Generation Archived Transit Data for Estimating Performance Measures and Arterial Travel Speeds*	Technology
W Zhu, F Zhou, J Huang, R Xu	Validating Rail Transit Assignment Models with Cluster Analysis and Automatic Fare Collection Data*	Technology
Q Zeng, A Reddy, A Lu, B Levine	Development of Application for Estimating Daily Boarding and Alighting Counts on New York City Buses: Implementation of Daily Production System*	Technology
A Fonzone	What Do You Do with Your App? Study of Bus Rider Decision Making with Real-Time Passenger Information*	Technology
B A Kumar, S Mothukuri, L Vanajakshi, S C Subramanian	Analytical Approach to Identify the Optimum Inputs for a Bus Travel Time Prediction Method*	Technology
A A Alsgar, M Mesbah, L Ferreira, H Safi	Use of Smart Card Fare Data to Estimate Public Transport Origin–Destination Matrix*	Technology
L He, M Trépanier	Estimating the Destination of Unlinked Trips in Transit Smart Card Fare Data*	Technology
O Cats, G Loutos	Evaluating the added-value of online bus arrival prediction schemes*	Technology
K Lantz, S Khan, L B Ngo, M Chowdhury, S Donaher, A Apon	Potentials of Online Media and Location-Based Big Data for Urban Transit Networks in Developing Countries*	Technology
K Perrine, A Khani, N Ruiz-Juri	Map-Matching Algorithm for Applications in Multimodal Transportation Network Modeling*	Technology
X Cao, D Porter-Nelson	Real estate development in anticipation of the Green Line light rail transit in St. Paul*	Land use
C Mulley, C Tsai	When and how much does new transport infrastructure add to property values? Evidence from the bus rapid transit system in Sydney, Australia*	Land use
X Cao	Residential Preference and Choice of Movers in Light Rail Neighborhoods in Minneapolis, Minnesota*	Land use
I Tasic, M Zlatkovic, P T Martin, R J Porter	Street Connectivity Versus Street Widening: Impact of Enhanced Street Connectivity on Traffic Operations in Transit-Supportive Environments*	Land use
WSP–Parsons Brinckerhoff, GB Place Making, Robert Cervero, The Overhead Wire	Linking Transit Agencies and Land Use Decision Making: Guidebook for Transit Agencies	Land use
D A King, L A Fischer	Streetcar projects as spatial planning: A shift in transport planning in the United States*	Land use
E B Beaton, E Bialostozky, P Dougherty, T R Gouge, T V Orosz	Designing the Modern Multimodal Urban Arterial: Case Study of the Webster Avenue Bus Rapid Transit Project*	Land use
A C Nelson, D Eskic, S Hamidi, S J Petheram, R Ewing, J H Liu	Office Rent Premiums with Respect to Light Rail Transit Stations: Case Study of Dallas, Texas, with Implications for Planning of Transit-Oriented Development*	Land use
C D Higgins, P S Kanaroglou	A latent class method for classifying and evaluating the performance of station area transit-oriented development in the Toronto region*	Land use
T Xu, M Zhang	Tailoring empirical research on transit access premiums for planning applications*	Land use



S Pollack, A Gartsman, T Reardon, M Hari	Reshaping the Region: Transit Proximity and Leverage in Metropolitan Boston, Massachusetts*	Land use
C De Gruyter, G Rose, G Currie	Understanding Travel Plan Effectiveness for New Residential Developments*	Land use
F Zhang, R Lindsey, H Yang	The Downs–Thomson paradox with imperfect mode substitutes and alternative transit administration regimes*	Economics
P Schimek	Dynamic Estimates of Fare Elasticity for U.S. Public Transit*	Economics
M A Jaroszynski	Examining the Influence of Internal Service Characteristics on Social Benefits of Multimodal Transit*	Economics
C Krelling, M G Badami	Operational and financial performance of Delhi's natural gas-fueled public bus transit fleet: A critical evaluation*	Economics
D Z W Wang, H K Lo	Financial sustainability of rail transit service: The effect of urban development pattern*	Economics
B Pender, G Currie, N Shiwakoti, A Delbosc	Economic Viability of Bus Bridging Reserves for Fast Response to Unplanned Passenger Rail Disruption*	Economics
J Lee, D Papas	All-Door Boarding in San Francisco, California*	Operations
Y Wu, H Yang, J Tang, Y Yu	Multi-objective re-synchronizing of bus timetable: Model, complexity and solution*	Operations
M Fadaei, O Cats	Evaluating the impacts and benefits of public transport design and operational measures*	Operations
G E Sánchez-Martínez, H N Koutsopoulos, N H M Wilson	Real-time holding control for high-frequency transit with dynamics*	Operations
Y Sun, P M Schonfeld	Optimization Models for Public Transit Operations Under Subsidization and Regulation*	Organisation
K Mall, Transportation Learning Center, Transit Resource Center, June Sekera	Maintenance Technician Staffing Levels for Modern Public Transit Fleets	Organisation
T A Mathisen	Competitive tendering and cross-shareholding in public passenger transport*	Organisation
R Kager, L Bertolini, M T Brömmelstroet	Characterisation of and reflections on the synergy of bicycles and public transport*	Mode
A Kołoś, J Taczanowski	The feasibility of introducing light rail systems in medium-sized towns in Central Europe*	Mode
D Seidenglanz, M Kvizda, T Nigrin, Z Tomeš, J Dujka	Czechoslovak light rail — Legacy of socialist urbanism or opportunity for the future?*	Mode
H He, S Ilgin Guler, M Menendez	Adaptive control algorithm to provide bus priority with a pre-signal*	Infrastructure
A F Stewart, J P Attanucci, N H M Wilson	Ridership Response to Incremental Bus Rapid Transit Upgrades in North America Demographic and Network Effects*	Infrastructure
D K Boyle	Transit Agency Practices in Interacting with People Who Are Homeless: A Synthesis of Transit Practice	Literature Review
S Chowdhury, A Ceder	Users' willingness to ride an integrated public-transport service: A literature review*	Literature Review
G Currie, A Delbosc	Spiral Plot Analysis of Variation in Perceptions of Urban Public Transport Performance Between International Cities*	Place

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