



Institute of Transport Studies (Monash)
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World Transit Research**

World Transit Research Newsletter

2-2017

World Transit Research February 2017 Newsletter

Institute of Transport Studies Monash University

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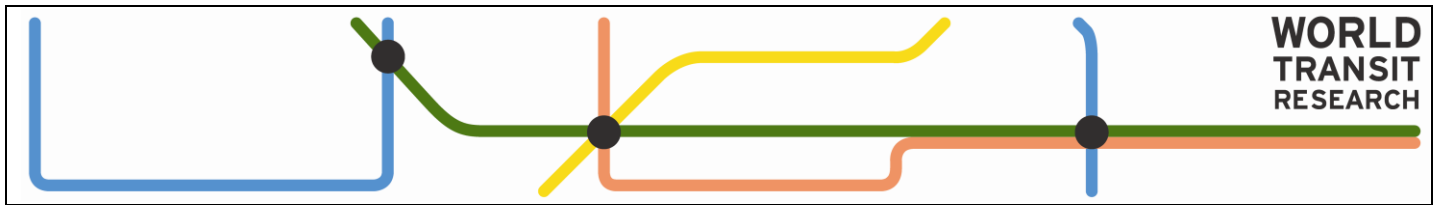
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MONASH University



World Transit Research February 2017 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 6,264 research reports/papers. Some 72 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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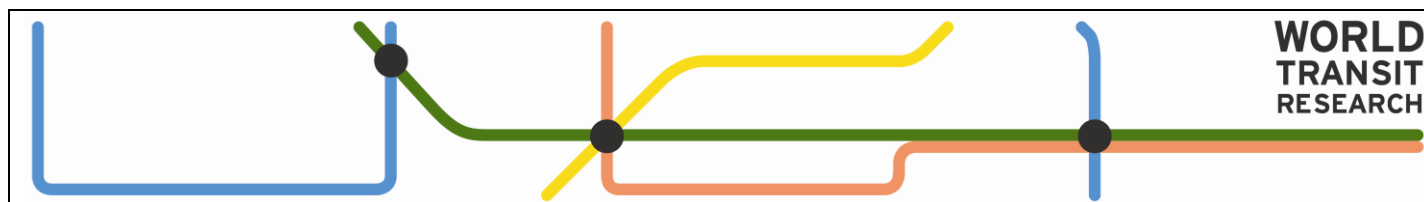
JOURNAL SUBSCRIPTIONS

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

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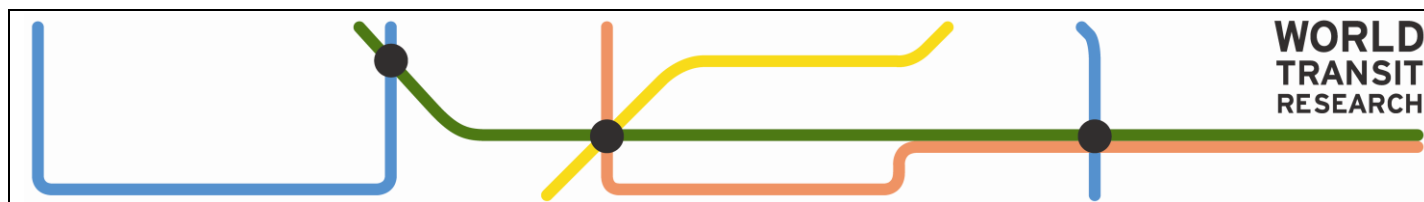
If you have any queries or suggestions on how to improve our publication, we would love to hear from you at: enquiries@worldtransitresearch.info

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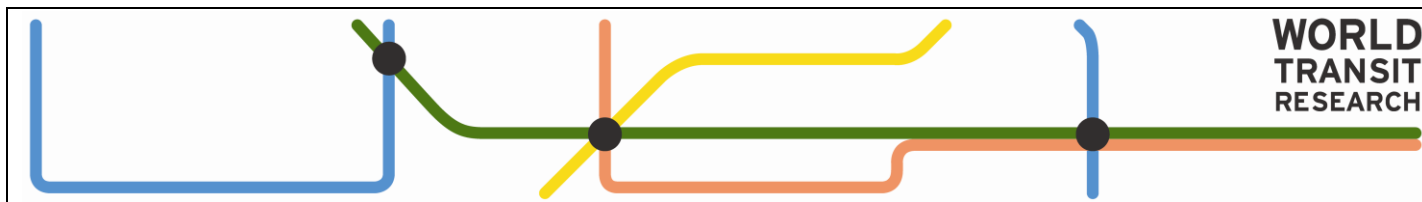


WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
A Agrawal, S Granger-Bevan, G Newmark, H Nixon	Comparing data quality and cost from three modes of on-board transit surveys*	Planning
E Gris�, A El-Geneidy	Evaluating the relationship between socially (dis)advantaged neighbourhoods and customer satisfaction of bus service in London, U.K.*	Planning
A Mather, K Hunter-Zaworski	Effects of Speed, Curves, and Driver Behavior on Passive Securement Systems on Large Transit Buses	Planning
J Liu, H Wen	Public Transport Crowding Valuation: Evidence from College Students in Guangzhou	Planning
G Griffin, I Sener	Public Transit Equity Analysis at Metropolitan and Local Scales: A Focus on Nine Large Cities in the US	Planning
K Stieffenhofer, M Barton, V Gayah	Assessing Park-and-Ride Efficiency and User Reactions to Parking Management Strategies	Planning
A Salavati, H Haghshenas, B Ghadirifaraz, J Laghaei, G Eftekhari	Applying AHP and Clustering Approaches for Public Transportation Decisionmaking: A Case Study of Isfahan City	Planning
P Fortin, C Morency, M Tr�panier	Innovative GTFS Data Application for Transit Network Analysis Using a Graph-Oriented Method	Planning
A Sch�bel	An eigenmodel for iterative line planning, timetabling and vehicle scheduling in public transportation*	Planning
T Lid�n, M Joborn	An optimization model for integrated planning of railway traffic and network maintenance*	Planning
K Kepaptsoglou, A Stathopoulos, M Karlaftis	Ridership estimation of a new LRT system: Direct demand model approach*	Planning
R Bornd�rfer, T Klug, L Lamorgese, C Mannino, M Reuther, T Schlechte	Recent success stories on integrated optimization of railway systems*	Planning
Z Song, Y He, L Zhang	Integrated planning of park-and-ride facilities and transit service*	Planning
G Currie, A Delbosc	An empirical model for the psychology of deliberate and unintentional fare evasion*	Planning
F Shi, S Zhao, Z Zhou, P Wang, M Bell	Optimizing train operational plan in an urban rail corridor based on the maximum headway function*	Planning
P Wheat, M Wardman	Effects of timetable related service quality on rail demand*	Planning
R Abenoza, O Cats, Y Susilo	Travel satisfaction with public transport: Determinants, user classes, regional disparities and their evolution*	Planning
B Epstein, M Givoni	Analyzing the gap between the QOS demanded by PT users and QOS supplied by service operators*	Planning
J Huting, J Reid, U Nwoke, E Bacarella, K Ky	Identifying Factors That Increase Bus Accident Risk by Using Random Forests and Trip-Level Data*	Planning
C Kang, H Khan, C Feng, C Wu	Efficiency evaluation of bus transit firms with and without consideration of environmental air-pollution emissions*	Technology
Z Tian, P Weston, N Zhao, S Hillmansen, C Roberts, L Chen	System energy optimisation strategies for metros with regeneration*	Technology
N Ghahramani, C Brakewood	Trends in Mobile Transit Information Utilization: An Exploratory Analysis of Transit App in New York City	Technology
S Foell, S Phithakkitnukoon, M Veloso, G Kortuem, C Bento	Regularity of Public Transport Usage: A Case Study of Bus Rides in Lisbon, Portugal	Technology
Z Yu, J Wood, V Gayah	Using survival models to estimate bus travel times and associated uncertainties*	Technology



Y Zhou, L Yao, Y Chen, Y Gong, J Lai	Bus arrival time calculation model based on smart card data*	Technology
S Kaplan, M Monteiro, M Anderson, O Nielsen, E Dos Santos	The role of information systems in non-routine transit use of university students: Evidence from Brazil and Denmark*	Technology
D Hörcher, D Graham, R Anderson	Crowding cost estimation with large scale smart card and vehicle location data*	Technology
I Kawgan-Kagan, S Daubitz	Individually constructed criteria for perception of urban transportation means – An approach based on Kelly’s personal construct theory*	Technology
S Hong, K Kim, G Byeon, Y Min	A method to directly derive taste heterogeneity of travellers’ route choice in public transport from observed routes*	Technology
C Tang, A Ceder, S Zhao, Y Ge	Determining Optimal Strategies for Single-Line Bus Operation by Means of Smartphone Demand Data*	Technology
Y Farid, E Christofa, L Paget-Seekins	Estimation of Short-Term Bus Travel Time by Using Low-Resolution Automated Vehicle Location Data*	Technology
J Wang, H Rakha	Modeling Fuel Consumption of Hybrid Electric Buses: Model Development and Comparison with Conventional Buses*	Technology
M Schwertner, U Weidmann	Comparison of Well-to-Wheel Efficiencies for Different Drivetrain Configurations of Transit Buses*	Technology
D Shockley, J Salinas, B Taylor	Making Headways: Analysis of Smart Cards and Bus Dwell Times in Los Angeles, California*	Technology
J Simmons, P Haas	Impact on Bus Ridership from Changes in a Route’s Span of Service*	Ridership
C Loong, D van Lierop, A El-Geneidy	On time and ready to go: An analysis of commuters’ punctuality and energy levels at work or school*	Ridership
M Zhou, D Wang, Q Li, Y Yue, W Tu, R Cao	Impacts of weather on public transport ridership: Results from mining data from different sources*	Ridership
J Totten, D Levinson	Cross-Elasticities in Frequencies and Ridership for Urban Local Routes	Ridership
M Hassan, T Rashidi, S Waller, N Nassir, M Hickman	Modeling Transit Users Stop Choice Behavior: Do Travelers Strategize?	Ridership
A Mijares, M Suzuki, T Yai	Passenger Satisfaction and Mental Adaptation under Adverse Conditions: Case Study in Manila	Ridership
H Jung, G Yu, K Kwon	Investigating the Effect of Gasoline Prices on Transit Ridership and Unobserved Heterogeneity	Ridership
X Ma, C Liu, H Wen, Y Wang, Y Wu	Understanding commuting patterns using transit smart card data*	Ridership
S Chakrabarti	How can public transit get people out of their cars? An analysis of transit mode choice for commute trips in Los Angeles*	Ridership
A Vij, S Gorripaty, J Walker	From trend spotting to trend ’splainig: Understanding modal preference shifts in the San Francisco Bay Area*	Ridership
E Korsu, F Le Néchet	Would fewer people drive to work in a city without excess commuting? Explorations in the Paris metropolitan area*	Ridership
Y Lee, L Lu, M Wu, D Lin	Balance of efficiency and robustness in passenger railway timetables*	Operations
X Yang, A Chen, B Ning, T Tang	Bi-objective programming approach for solving the metro timetable optimization problem with dwell time uncertainty*	Operations
X Guo, H Sun, J Wu, J Jin, J Zhou, Z Gao	Multiperiod-based timetable optimization for metro transit networks*	Operations
Y Gao, L Yang, Z Gao	Energy consumption and travel time analysis for metro lines with express/local mode*	Operations



B Cesme, S Altun, W Jia, M Eichler, C Torruellas, S Santhanam, Z Wang, T Brulle	Application of Bus-Only Lanes in Downtown Washington, D.C. Concurrent Versus Contraflow Bus Lanes*	Operations
M Nesheli, A Ceder	Use of Real-Time Operational Tactics to Synchronize Transfers in Headway-Based Public Transport Service*	Operations
T Liu, A Ceder	Synchronization of Public Transport Timetabling with Multiple Vehicle Types*	Operations
A Schmidt, J Muñoz, C Bucknell, M Navarro, C Simonetti	Increasing the Speed: Case Study from Santiago, Chile*	Operations
Y Song, M Zlatkovic, R Porter	Evaluation of GPS-Based Transit Signal Priority for Mixed-Traffic Bus Rapid Transit*	Infrastructure
Y Ye, K Choi, Y Lee	Optimal Limited-stop Bus Routes Selection Using a Genetic Algorithm and Smart Card Data	Infrastructure
A Mather, K Hunter-Zaworski	Investigation of Wheeled Mobility Device Orientation and Movement on Streetcars and Light Rail Vehicles during Normal and Emergency Braking	Infrastructure
L Truong, G Currie, M Sarvi	Analytical and simulation approaches to understand combined effects of transit signal priority and road-space priority measures*	Infrastructure
G Rempel, T George, J Regehr, J Montufar	Understanding and Estimating In-Service Axle Weights of Transit Buses*	Infrastructure
M Xu, Z Ye, H Sun, W Wang	Optimization Model for Transit Signal Priority Under Conflicting Priority Requests*	Infrastructure
G Liu, T Qiu	Trade-Offs Between Bus and Private Vehicle Delays at Signalized Intersections: Case Study of a Multiobjective Model*	Infrastructure
Y Zhang, S Zheng, C Sun, R Wang	Does subway proximity discourage automobility? Evidence from Beijing*	Land use
K Dovey, L Pike, I Woodcock	Incremental Urban Intensification: Transit-oriented Re-development of Small-lot Corridors*	Land use
V Singh, E Beaton, T Gouge, N Schatmeier	Creating a Bus Rapid Transit Boulevard: Making Woodhaven Boulevard Select Bus Service Work for Transit, Traffic, and the Public in Queens, New York*	Land use
A Brown	Rubber Tires for Residents: Bus Rapid Transit and Changing Neighborhoods in Los Angeles, California*	Land use
M Bandegani, M Akbarzadeh	Evaluation of Horizontal Equity under a Distance-Based Transit Fare Structure	Economics
Y Chung, Y Chiou	Willingness-to-pay for a bus fare reform: A contingent valuation approach with multiple bound dichotomous choices*	Economics
E Rosenthal	A cooperative game approach to cost allocation in a rapid-transit network*	Economics
Y Sun, Q Guo, P Schonfeld, Z Li	Evolution of public transit modes in a commuter corridor*	Mode
J Scheurer	How Intermediate Capacity Modes Provide Accessibility and Resilience in Metropolitan Transit Networks: Insights from a Global Study of 19 Cities	Mode
G Culver	Mobility and the making of the neoliberal "creative city": The streetcar as a creative city project?*	Mode
D Verbich, M Badami, A El-Geneidy	Bang for the buck: Toward a rapid assessment of urban public transit from multiple perspectives in North America*	Organisation
W Wang, D Wang, F Zhang, H Sun, W Zhang, J Wu	Overcoming the Downs-Thomson Paradox by transit subsidy policies*	Policy

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