



**Institute of Transport Studies (Monash)**  
The Australian Research Council Key Centre in Transport Management

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World Transit Research Newsletter

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2-2017

# World Transit Research February 2017 Newsletter

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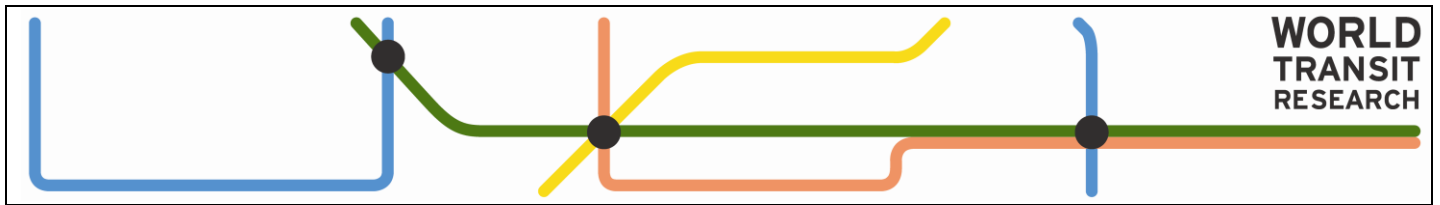
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## World Transit Research February 2017 Newsletter

<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](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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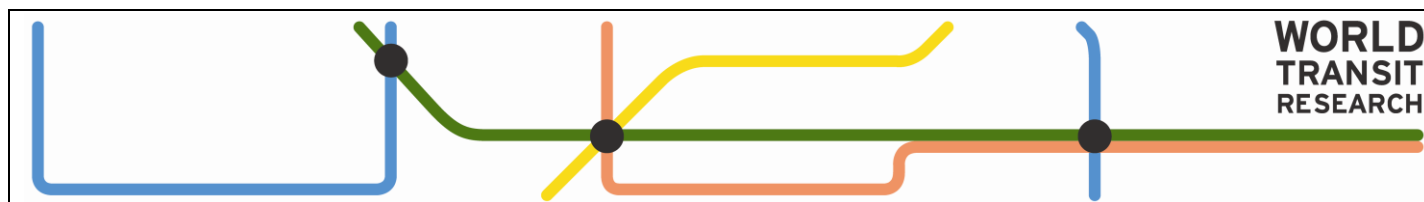
### **JOURNAL SUBSCRIPTIONS**

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

### **SUGGESTIONS WELCOMED**

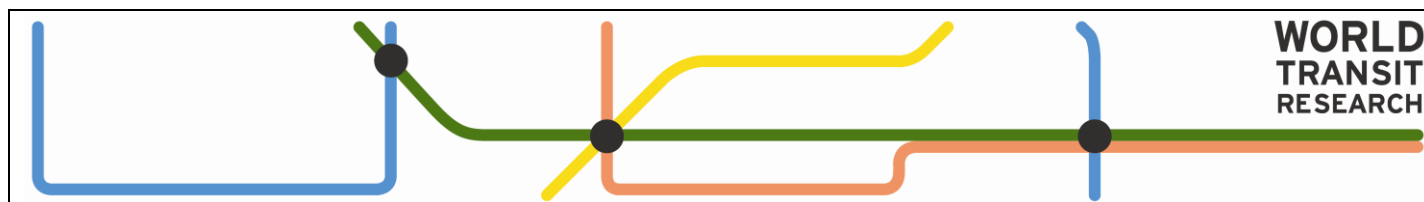
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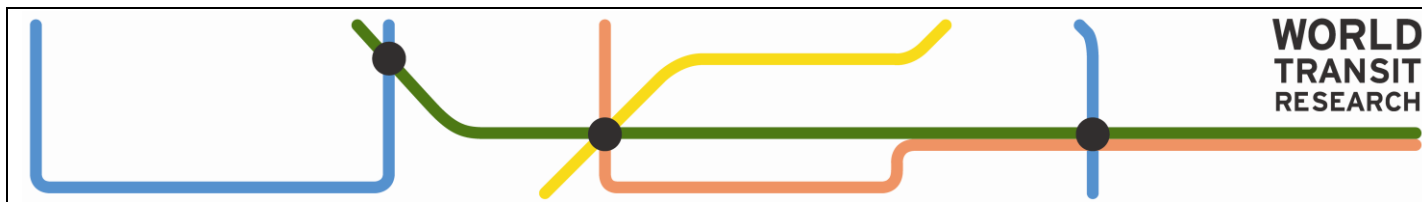


## WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

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



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



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

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