



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 Newsletter

6-2017

World Transit Research June 2017 Newsletter

Institute of Transport Studies Monash University

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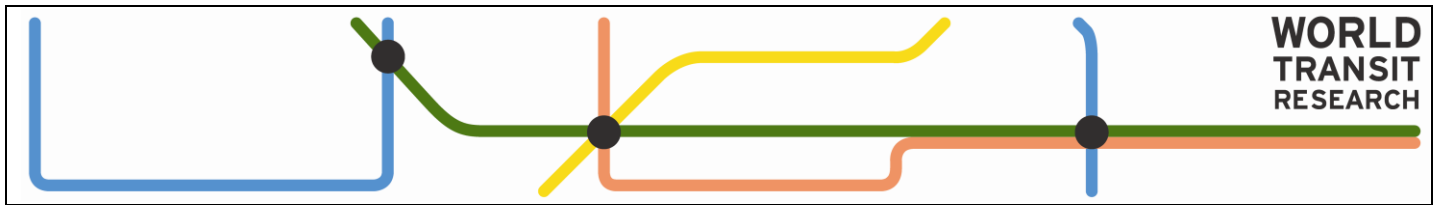
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MONASH University



World Transit Research

June 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.

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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 6,430 research reports/papers. Some 90 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

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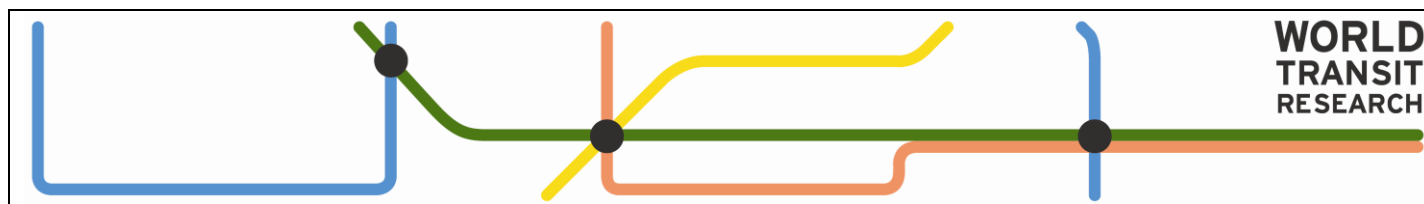
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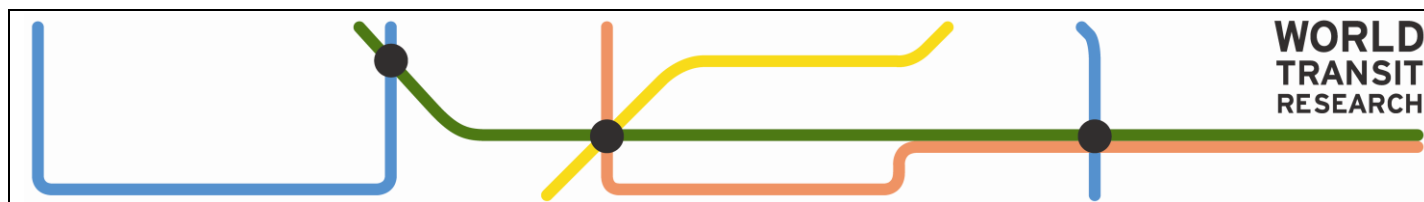
If you have any queries or suggestions on how to improve our publication, we would love to hear from you at: enquiries@worldtransitresearch.info

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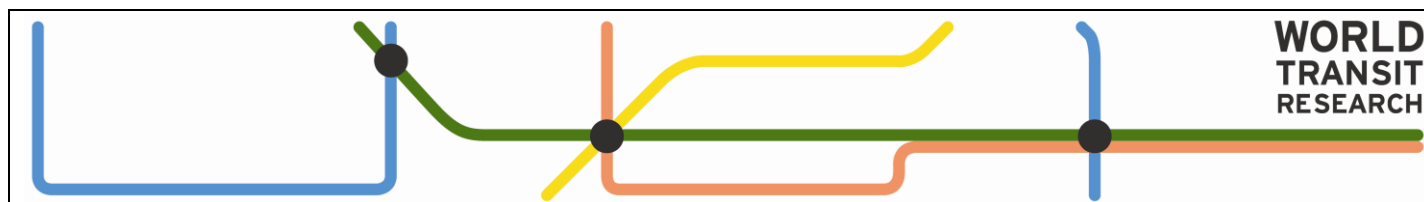


WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
X Shi, L Zhang	Effects of altruism and burnout on driving behavior of bus drivers*	Ridership
D van Lierop, M Badami, A El-Geneidy	What influences satisfaction and loyalty in public transport? A review of the literature*	Ridership
H Clark	Who Rides Public Transportation	Ridership
R González, Á Marrero, E Cherchi	Testing for inertia effect when a new tram is implemented*	Ridership
P Bueno, J Gomez, J Peters, J Vassallo	Understanding the effects of transit benefits on employees' travel behavior: Evidence from the New York-New Jersey region*	Ridership
P Zhao, S Li	Bicycle-metro integration in a growing city: The determinants of cycling as a transfer mode in metro station areas in Beijing*	Ridership
R Ellison, A Ellison, S Greaves, B Sampaio	Electronic ticketing systems as a mechanism for travel behaviour change? Evidence from Sydney's Opal card*	Ridership
A Delbosc, H Nakanishi	A life course perspective on the travel of Australian millennials*	Ridership
O Stewart, A Moudon, B Saelens	The Causal Effect of Bus Rapid Transit on Changes in Transit Ridership	Ridership
I Brechan	Effect of Price Reduction and Increased Service Frequency on Public Transport Travel	Ridership
O Shyr, D Andersson, Y Cheng, Y Hsiao	What explains rapid transit use? Evidence from 97 urbanized areas*	Ridership
X Fu, Z Juan	Drivers of transit service loyalty considering heterogeneity between user segments*	Ridership
Z Huang, M Zhang, X Liu	Estimating light-rail transit peak-hour boarding based on accessibility at station and route levels in Wuhan, China*	Ridership
H Li, K Gao, H Tu, Y Ding, L Sun	Perception of Mode-Specific Travel Time Reliability and Crowding in Multimodal Trips*	Ridership
L Haywood, M Koning, G Monchambert	Crowding in public transport: Who cares and why?*	Ridership
K Campbell, C Brakewood	Sharing riders: How bikesharing impacts bus ridership in New York City*	Ridership
R Troncoso, L de Grange	Fare evasion in public transport: A time series approach*	Ridership
Y Sun, J Shi, P Schonfeld	Identifying passenger flow characteristics and evaluating travel time reliability by visualizing AFC data: a case study of Shanghai Metro*	Ridership
P Vicente, E Reis	Profiling public transport users through perceptions about public transport providers and satisfaction with the public transport service*	Ridership
D Wan, C Kamga, W Hao, A Sugiura, E Beaton	Customer satisfaction with bus rapid transit: a study of New York City select bus service applying structural equation modeling*	Ridership
S Binder, Y Maknoon, M Bierlaire	The multi-objective railway timetable rescheduling problem*	Planning
H Suman, N Bolia, G Tiwari	Comparing public bus transport service attributes in Delhi and Mumbai: Policy implications for improving bus services in Delhi*	Planning
K Kerkman, K Martens, H Meurs	A multilevel spatial interaction model of transit flows incorporating spatial and network autocorrelation*	Planning
A El-Geneidy, D van Lierop, E Grisé, G Boisjoly, D Swallow, L Fordham, T Herrmann	Get on board: Assessing an all-door boarding pilot project in Montreal, Canada*	Planning
J Chica-Olmo, H Gachs-Sánchez, C Lizarraga	Route effect on the perception of public transport services quality*	Planning
A Stewart	Mapping transit accessibility: Possibilities for public participation*	Planning
D van Lierop, A El-Geneidy	A New Market Segmentation Approach: Evidence from Two Canadian Cities	Planning
S Mortazavi, M Akbarzadeh	A Framework for Measuring the Spatial Equity in the Distribution of Public Transportation Benefits	Planning
E Isikli, N Aydin, E Celik, A Gumus	Identifying Key Factors of Rail Transit Service Quality: An Empirical Analysis for Istanbul	Planning
S Lahlou, L Wynter	A Nash equilibrium formulation of a tradable credits scheme for incentivizing transport choices: From next-generation public transport mode choice to HOT lanes*	Planning
Australian Institute of Health and Welfare	Serious unintentional injury involving a railway train or tram, Australia, 2009–10 to 2013–14	Planning
M Cheranchery, B Maitra	Priority Areas of Intervention for Improving Urban Bus Services: Experience in Kolkata, India*	Planning



C Rodriguez, T Peralta-Quirós, L Guzman, S Cárdenas Reyes	Accessibility, Affordability, and Addressing Informal Services in Bus Reform: Lessons from Bogotá, Colombia*	Planning
S Sadhukhan, U Banerjee, B Maitra	Rationality of fare increment for improvement of transfer facilities at metro stations: An experience in Kolkata*	Planning
C Hoehne, M Chester	Greenhouse gas and air quality effects of auto first-last mile use with transit*	Planning
S Useche, V Ortiz, B Cendales	Stress-related psychosocial factors at work, fatigue, and risky driving behavior in bus rapid transport (BRT) drivers*	Planning
H Badia, J Argote-Cabanero, C Daganzo	Network Effects in Bus Transit: Evidence from Barcelona's Nova Xarxa	Planning
T Camacho, M Foth, A Rakotonirainy, M Rittenbruch, J Bunker	The role of passenger-centric innovation in the future of public transport*	Planning
Y Chen, S Yang, M Hu, Y Wu	A reliability-based transit trip planning model under transit network uncertainty*	Planning
D Nguyen-Phuoc, G Currie, C De Gruyter, W Young	New method to estimate local and system-wide effects of level rail crossings on network traffic flow*	Land use
J Renne, S Hamidi, R Ewing	Transit commuting, the network accessibility effect, and the built environment in station areas across the United States*	Land use
Y Singh, A Lukman, J Flacke, M Zuidgeest, M Van Maarseveen	Measuring TOD around transit nodes - Towards TOD policy*	Land use
Y Peng, Z Li, K Choi	Transit-oriented development in an urban rail transportation corridor*	Land use
J Humphreys, A Ahern	Is travel based residential self-selection a significant influence in modal choice and household location decisions?*	Land use
J Camins-Esakov, D Vandegrift	Impact of a light rail extension on residential property values*	Land use
K Yang, D Pojani	A Decade of Transit Oriented Development Policies in Brisbane, Australia: Development and Land-Use Impacts*	Land use
B Griffiths, C Curtis	Effectiveness of Transit Oriented Development in Reducing Car Use: Case Study of Subiaco, Western Australia*	Land use
N Devaux, J Dubé, P Apparicio	Anticipation and post-construction impact of a metro extension on residential values: The case of Laval (Canada), 1995–2013*	Land use
A Chang, L Miranda-Moreno, J Cao, B Welle	The effect of BRT implementation and streetscape redesign on physical activity: A case study of Mexico City*	Land use
J Lin, J Chung	Metro-induced gentrification: A 17-year experience in Taipei*	Land use
A Forouhar	Estimating the impact of metro rail stations on residential property values: evidence from Tehran*	Land use
Y Wang, Y Huang, J Xu, N Barclay	Optimal recharging scheduling for urban electric buses: A case study in Davis*	Technology
J López-Martínez, F Jiménez, F Páez-Ayuso, M Flores-Holgado, A Arenas, B Arenas-Ramírez, F Aparicio-Izquierdo	Modelling the fuel consumption and pollutant emissions of the urban bus fleet of the city of Madrid*	Technology
M Xylia, S Leduc, P Patrizio, F Kraxner, S Silveira	Locating charging infrastructure for electric buses in Stockholm*	Technology
A Chow, S Li, R Zhong	Multi-objective optimal control formulations for bus service reliability with traffic signals*	Technology
P Okunieff	Multiagency Electronic Fare Payment Systems*	Technology
A Briand, E Côme, M Trépanier, L Oukhellou	Analyzing year-to-year changes in public transport passenger behaviour using smart card data*	Technology
L Kieu, A Bhaskar, M Cools, E Chung	An investigation of timed transfer coordination using event-based multi agent simulation	Technology
B Kumar, L Vanajakshi, S Subramanian	Bus travel time prediction using a time-space discretization approach*	Technology
E Wallischeck, T Weisenberger, A Berthume, M Dinning	Preliminary Strategic Analysis of Next Generation Fare Payment Systems for Public Transportation*	Technology
C Pronello, J Veiga-Simão, V Rappazzo	Can Multimodal Real-Time Information Systems Induce a More Sustainable Mobility?*	Technology
Y Zhu, H Koutsopoulos, N Wilson	A probabilistic Passenger-to-Train Assignment Model based on automated data*	Technology
Y Lai, C Ip	An integrated framework for assessing service efficiency and stability of rail transit systems*	Operations
E Altazin, S Dauzère-Pérès, F Ramond, S Tréfond	Rescheduling through stop-skipping in dense railway systems*	Operations
J Wagenaar, L Kroon, I Fragkos	Rolling stock rescheduling in passenger railway transportation using dead-	Operations



	heading trips and adjusted passenger demand*	
S Burggraeve, P Vansteenwegen	Robust routing and timetabling in complex railway stations*	Operations
S Dimitrov, A Ceder, S Chowdhury, M Monot	Modeling the interaction between buses, passengers and cars on a bus route using a multi-agent system*	Operations
L Veelenturf, L Kroon, G Maróti	Passenger oriented railway disruption management by adapting timetables and rolling stock schedules	Operations
X Luan, F Corman, L Meng	Non-discriminatory train dispatching in a rail transport market with multiple competing and collaborative train operating companies*	Operations
L Kang, Q Meng	Two-phase decomposition method for the last train departure time choice in subway networks*	Operations
X Liu, Y Yang, M Meng, A Rau	Impact of Different Bus Stop Designs on Bus Operating Time Components	Infrastructure
D Lois, A Monzón, S Hernández	Analysis of satisfaction factors at urban transport interchanges: Measuring travellers' attitudes to information, security and waiting*	Infrastructure
R Hyde, D Smith	Quantifying the economic and other benefits of enabling priority bus egress from bus stops	Infrastructure
K Velt, H Daanen	Optimal bus temperature for thermal comfort during a cool day*	Infrastructure
L Cherrington, J Brooks, J Cardenas, Z Elgart, L Galicia, T Hansen, K Miller, M Walk, P Ryus, C Semler, K Coffel	Decision-Making Toolbox to Plan and Manage Park-and-Ride Facilities for Public Transportation: Guidebook on Planning and Managing Park-and-Ride*	Infrastructure
T Urbanik, A Tanaka	Traffic Signal Preemption at Intersections Near Highway–Rail Grade Crossings*	Infrastructure
P Love, J Zhou, D Edwards, Z Irani, C Sing	Off the rails: The cost performance of infrastructure rail projects*	Organisation
E Iossa, M Waterson	Maintaining competition in recurrent procurement contracts: A case study on the London bus market*	Organisation
V Thao, P Wegelin, W von Arx	Are statutory passenger watchdogs effective in representing passenger interests in public transport?*	Organisation
M Ivaldi, J Pouyet	Eliciting the regulation of an economic system: The case of the French rail industry*	Organisation
N Macek, E Neely, E Claney	Public Transportation Guidebook for Small- and Medium-Sized Public-Private Partnerships*	Organisation
A Avenali, A Boitani, G Catalano, T D'Alfonso, G Matteucci	Assessing standard costs in local public bus transport: A hybrid cost model*	Economics
P Love, D Ahiaga-Dagbui, M Welde, J Odeck	Light rail transit cost performance: Opportunities for future-proofing*	Economics
G Weisbrod, N Stein, C Duncan, A Blair	Practices for Evaluating the Economic Impacts and Benefits of Transit: A Synthesis of Transit Practice*	Economics
J Sun, T Chen, Z Cheng, C Wang, X Ning	A financing mode of Urban Rail transit based on land value capture: A case study in Wuhan City*	Economics
P Newman, S Davies-Slate, E Jones	The Entrepreneur Rail Model: Funding urban rail through majority private investment in urban regeneration*	Economics
S Mohanty, S Bansal, K Bairwa	Effect of integration of bicyclists and pedestrians with transit in New Delhi*	Mode
J Perry	Measuring the Accuracy of Bus Rapid Transit Forecasts	Mode
M Jakimavičius, M Burinskienė, M Gusarovienė, A Podvieszko	Assessing multiple criteria for rapid bus routes in the public transport system in Vilnius*	Mode
I Behrsin, C Benner	Contested spaces and subjectivities of transit: Political ecology of a bus rapid transit development in Oakland, California*	Policy

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