



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

**Institute of Transport Studies, Monash
University
World Transit Research**

World Transit Research Newsletter

8-2017

World Transit Research August 2017 Newsletter

Institute of Transport Studies Monash University

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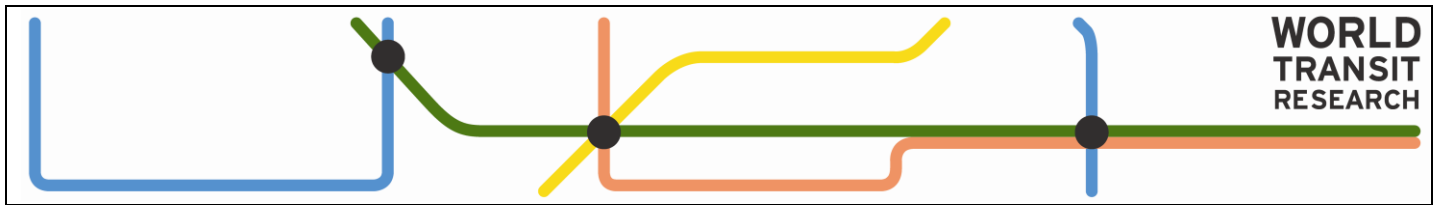
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MONASH University



World Transit Research August 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 6,501 research reports/papers. Some 70 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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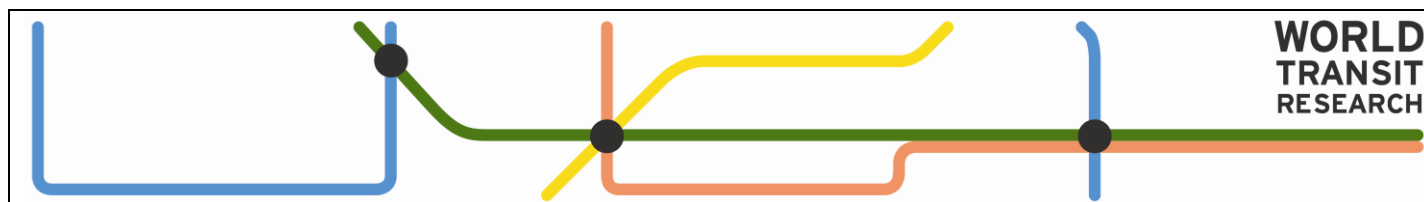
JOURNAL SUBSCRIPTIONS

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

SUGGESTIONS WELCOMED

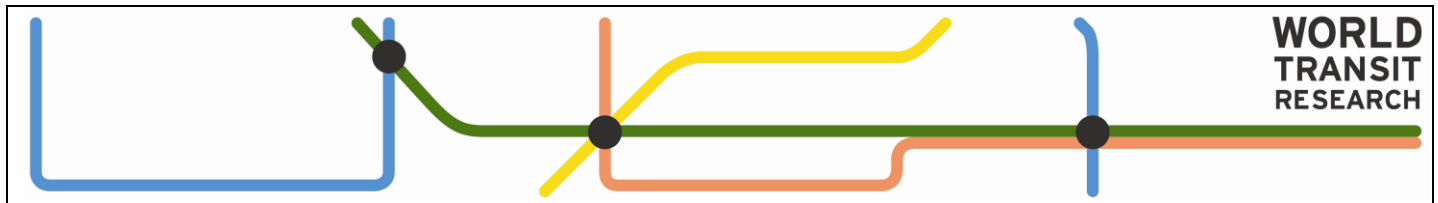
If you have any queries or suggestions on how to improve our publication, we would love to hear from you at: enquiries@worldtransitresearch.info

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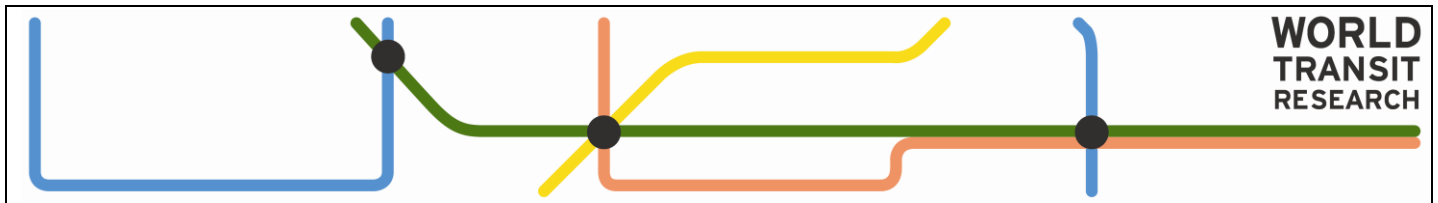


WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
B Thomson	Managing Extreme Weather at Bus Stops*	Planning
N Gardner, J Cui, E Coiacetto	Harassment on public transport and its impacts on women’s travel behaviour*	Planning
V Kallberg, A Silla	Prevention of railway trespassing by automatic sound warning—A pilot study*	Planning
D Li, Y Zhao, Q Bai, B Zhou, H Ling	Analyzing injury severity of bus passengers with different movements*	Planning
J Chen, S Wang, Z Liu, W Wang	Design of suburban bus route for airport access*	Planning
M Mekuria, B Appleyard, H Nixon	Improving Livability Using Green and Active Modes: A Traffic Stress Level Analysis of Transit, Bicycle, and Pedestrian Access and Mobility	Planning
H Badia, J Argote-Cabanero, C Daganzo	How network structure can boost and shape the demand for bus transit*	Planning
E Echaniz, L dell’Olio, Á Ibeas	Modelling perceived quality for urban public transport systems using weighted variables and random parameters*	Planning
O Cats	Topological evolution of a metropolitan rail transport network: The case of Stockholm*	Planning
F Benvenuti, C Diamantini, D Potena, E Storti	An ontology-based framework to support performance monitoring in public transport systems*	Planning
F Naznin, G Currie, D Logan	Key challenges in tram/streetcar driving from the tram driver’s perspective – A qualitative study*	Planning
S Blanchard, P Waddell	UrbanAccess: Generalized Methodology for Measuring Regional Accessibility with an Integrated Pedestrian and Transit Network*	Planning
M Conway, A Byrd, M van der Linden	Evidence-Based Transit and Land Use Sketch Planning Using Interactive Accessibility Methods on Combined Schedule and Headway-Based Networks*	Planning
W Gillespie, P Fahrenwald	Transit Access Measure: Incorporating Walk and Drive Access*	Planning
H Ye, R Liu	Nonlinear programming methods based on closed-form expressions for optimal train control*	Planning
S Djavadian, J Chow	An agent-based day-to-day adjustment process for modeling ‘Mobility as a Service’ with a two-sided flexible transport market*	Planning
S Kinawy, M Nik Bakht, T El-Diraby	Mismatches in stakeholder communication: The case of the Leslie and Ferrand transit stations, Toronto, Canada*	Planning
F Jiang, V Cacchiani, P Toth	Train timetabling by skip-stop planning in highly congested lines*	Planning
M Andres, R Nair	A predictive-control framework to address bus bunching*	Planning
Y Wang, T Tang, B Ning, L Meng	Integrated optimization of regular train schedule and train circulation plan for urban rail transit lines*	Planning
L Merlin	Comparing Automated Shared Taxis and Conventional Bus Transit for a Small City	Planning
F Baratian-Ghorghi, H Ahmadianyazdi	Recommendation of a New Transit Performance Measure in the National Transit Database	Planning
E Bruun, M Vanderschuren	Assessment Methods from Around the World Potentially Useful for Public Transport Projects	Planning
P Gattermann, J Harbering, A Schöbel	Line pool generation*	Planning
A De-Los-Santos, G Laporte, J Mesa, F Perea	The railway line frequency and size setting problem*	Planning
R Borndörfer, H Hoppmann, M Karbstein	Passenger routing for periodic timetable optimization*	Planning
R Borndörfer, C Schulz, S Seidl, S Weider	Integration of duty scheduling and rostering to increase driver satisfaction*	Planning
H Snijders, R Saldanha	Decision support for scheduling security crews at Netherlands Railways*	Planning
M Posada, H Andersson, C Häll	The integrated dial-a-ride problem with timetabled fixed route service*	Planning
R Lentink, D Middelkoop, D de Vries	A comparison of different configurations of a Centrally Guided Train Operation System in Dutch Railway Operations*	Planning
X Fu, Z Juan	Exploring the psychosocial factors associated with public transportation usage and examining the “gendered” difference*	Ridership
D Buckwalter	Modal Choice in the Pittsburgh Metropolitan Statistical Area: An Exploratory Data Analysis*	Ridership
A Ermagun, D Levinson	Public transit, active travel, and the journey to school: a cross-nested logit	Ridership



	analysis*	
L Moccia, G Giallombardo, G Laporte	Models for technology choice in a transit corridor with elastic demand*	Ridership
Ø Engebretsen, P Christiansen, A Strand	Bergen light rail – Effects on travel behaviour*	Ridership
R Woods, J Masthoff	A comparison of car driving, public transport and cycling experiences in three European cities*	Ridership
D Simons, I De Bourdeaudhuij, P Clarys, B de Geus, C Vandelanotte, J Van Cauwenberg, B Deforche	Choice of transport mode in emerging adulthood: Differences between secondary school students, studying young adults and working young adults and relations with gender, SES and living environment*	Ridership
H Li, K Gao, H Tu	Variations in mode-specific valuations of travel time reliability and in-vehicle crowding: Implications for demand estimation*	Ridership
A Tirachini, R Hurtubia, T Dekker, R Daziano	Estimation of crowding discomfort in public transport: Results from Santiago de Chile*	Ridership
N Hoang-Tung, A Kojima, H Kubota	Transformation from intentions to habits in travel behavior: An awareness of a mediated form of intention*	Ridership
J Zhou, N Sipe, Z Ma, D Mateo-Babiano, S Darchen	Monitoring transit-served areas with smartcard data: A Brisbane case study*	Ridership
Y Ge, P Jabbari, D MacKenzie, J Tao	Effects of a Public Real-Time Multi-Modal Transportation Information Display on Travel Behavior and Attitudes	Ridership
D Canca, A Zarzo	Design of energy-Efficient timetables in two-way railway rapid transit lines*	Operations
P Xu, F Corman, Q Peng, X Luan	A train rescheduling model integrating speed management during disruptions of high-speed traffic under a quasi-moving block system*	Operations
Y Gao, L Yang, Z Gao	Real-time automatic rescheduling strategy for an urban rail line by integrating the information of fault handling*	Operations
W Wu, R Liu, W Jin	Modelling bus bunching and holding control with vehicle overtaking and distributed passenger boarding behaviour*	Operations
Y Du, F Deng, F Liao, Y Ji	Understanding the distribution characteristics of bus speed based on geocoded data*	Operations
X Li, Y Fan, J Shaw, Y Qi	A Fuzzy AHP Approach to Compare Transit System Performance in US Urbanized Areas	Operations
E Cracco, N Dirix, C Reinder Folmer	The Role of Specificity and Apologies in Excuse Messages Following Train Delay	Operations
Z Lin, E Barrena, R Kwan	Train unit scheduling guided by historic capacity provisions and passenger count surveys	Operations
M van Kooten Niekerk, J van den Akker, J Hoogeveen	Scheduling electric vehicles	Operations
S Zaina, S Zaina, R Furlan	Urban planning in Qatar: strategies and vision for the development of transit villages in Doha*	Land use
C Mulley, C Tsai	Impact of bus rapid transit on housing price and accessibility changes in Sydney: A repeat sales approach*	Land use
S Salat, G Ollivier	Transforming the Urban Space through Transit-Oriented Development: The 3V Approach	Land use
S Lee, Y An, K Kim	Relationship between transit modal split and intra-city trip ratio by car for compact city planning of municipalities in the Seoul Metropolitan Area*	Land use
H Dong	Rail-transit-induced gentrification and the affordability paradox of TOD*	Land use
F Chen, J Wu, X Chen, P Zegras, J Wang	Vehicle kilometers traveled reduction impacts of Transit-Oriented Development: Evidence from Shanghai City*	Land use
Y Chu, Y Deng, R Liu	Impacts of New Light Rail Transit Service on Riders' Residential Relocation Decisions	Land use
M Ghaemi, B Agard, M Trépanier, V Nia	A visual segmentation method for temporal smart card data*	Technology
N Wessel, J Allen, S Farber	Constructing a routable retrospective transit timetable from a real-time vehicle location feed and GTFS*	Technology
H Mäenpää, A Lobov, J Lastra	Travel mode estimation for multi-modal journey planner*	Technology
L Eudy, M Jeffers	Foothill Transit Battery Electric Bus Demonstration Results: Second Report	Technology
J Schwieterman, L Fischer	The S-Curve of Technological Adoption: Mobile Communication Devices on Commuter Trains in the Chicago Region, 2010–2015	Technology
M Kilani, A de Palma, S Proost	Are users better-off with new transit lines?*	Organisation
V Benedetto, A Smith, C Nash	Evaluating the roles and powers of rail regulatory bodies in Europe: A survey-based approach*	Organisation



R Cascajo, L Diaz Olvera, A Monzon, D Plat, J Ray	Impacts of the economic crisis on household transport expenditure and public transport policy: Evidence from the Spanish case*	Policy
M Boarnet, G Giuliano, Y Huo, E Shin	First/last mile transit access as an equity planning issue*	Policy
K Ng, H Lo	On joint railway and housing development: Housing-led versus railway-led schemes*	Economics
R Hyde, D Smith	Quantifying the economic and other benefits of enabling priority bus egress from bus stops	Infrastructure
G Garsous, A Suárez-Alemán, T Serebrisky	Cable cars in urban transport: Travel time savings from La Paz-El Alto (Bolivia)*	Mode

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