



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

4-2017

World Transit Research April 2017 Newsletter

Institute of Transport Studies Monash University

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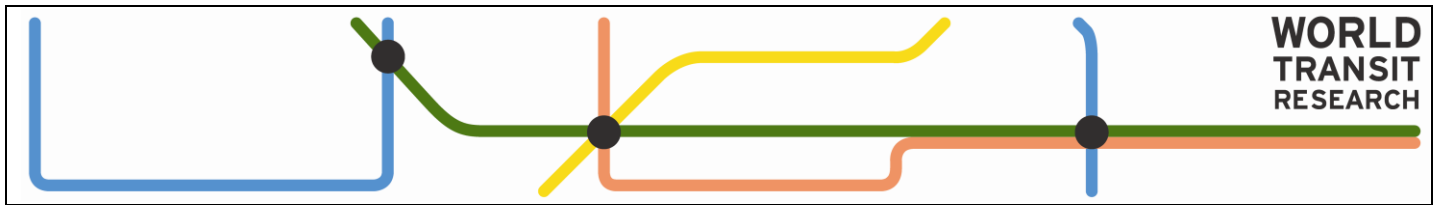
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MONASH University



World Transit Research

April 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 6,339 research reports/papers. Some 73 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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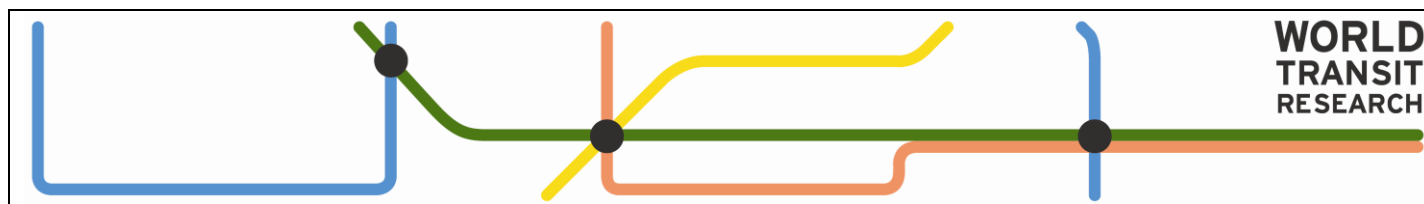
JOURNAL SUBSCRIPTIONS

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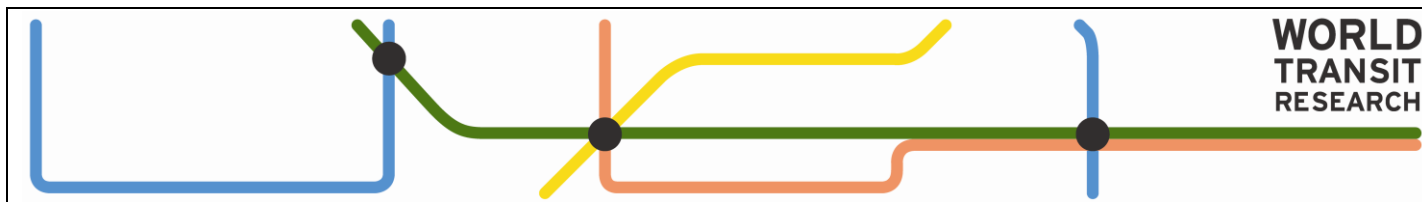
If you have any queries or suggestions on how to improve our publication, we would love to hear from you at: enquiries@worldtransitresearch.info

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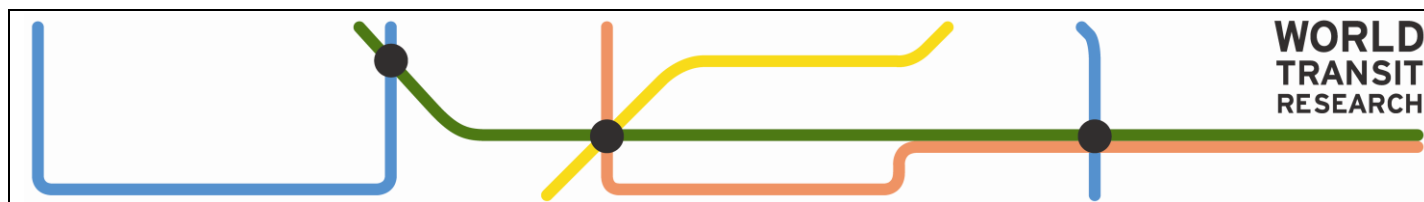


WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
T Bells, J Walker	Looking beyond the mean for equity analysis: Examining distributional impacts of transportation improvements*	Planning
J Freeman, A Rakotonirainy	Can rail pedestrian violations be deterred? An investigation into the threat of legal and non-legal sanctions*	Planning
M Ruiz, J Segui-Pons, J Mateu-LLadó	Improving Bus Service Levels and social equity through bus frequency modelling*	Planning
M Samà, P Pellegrini, A D'Ariano, J Rodriguez, D Pacciarelli	On the tactical and operational train routing selection problem*	Planning
C Frei, M Hyland, H Mahmassani	Flexing service schedules: Assessing the potential for demand-adaptive hybrid transit via a stated preference approach*	Planning
L Li, B Persaud, A Shalaby	Using micro-simulation to investigate the safety impacts of transit design alternatives at signalized intersections*	Planning
T Liu, A Ceder	Deficit function related to public transport: 50 year retrospective, new developments, and prospects*	Planning
J Haahr, D Pisinger, M Sabbaghian	A dynamic programming approach for optimizing train speed profiles with speed restrictions and passage points*	Planning
S Fayyaz, X Liu, R Porter	Dynamic transit accessibility and transit gap causality analysis*	Planning
W Brazil, A White, M Nogal, B Caulfield, A O'Connor, C Morton	Weather and rail delays: Analysis of metropolitan rail in Dublin*	Planning
S Burggraefe, S Bull, P Vansteenwegen, R Lusby	Integrating robust timetabling in line plan optimization for railway systems*	Planning
N Ronald, R Thompson, S Winter	Simulating ad-hoc demand-responsive transportation: a comparison of three approaches*	Planning
M Hadiuzzman, T Das, M Hasnat, S Hossain, S Musabbir	Structural equation modeling of user satisfaction of bus transit service quality based on stated preferences and latent variables*	Planning
C Legacy, C Curtis, J Scheurer	Planning transport infrastructure: examining the politics of transport planning in Melbourne, Sydney and Perth*	Planning
Transportation Research Board	New IDEAS for Transit: Transit IDEA Program Annual Report	Planning
Transportation Research Board	New IDEAs for Rail Safety: Annual Report of the Rail Safety IDEA Program	Planning
L Staes, J Godfrey, J Flynn, R Yegidis	Successful Practices and Training Initiatives to Reduce Accidents and Incidents at Transit Agencies*	Planning
K Hunter-Zaworski, D Anderson, U Rutenberg, E Tomaszewska, J McConnell	Manual to Improve Rail Transit Safety at Platform/Vehicle and Platform/Guideway Interfaces*	Planning
A Delbosc, G Currie, L Nicholls, C Maller	Social Transit as Mass Transit in Australian Suburban Greenfield Development*	Planning
N Hart	Methodology for Evaluating Potential for Limited-Stop Bus Service Along Existing Local Bus Corridors*	Planning
S Chowdhury, Y Hadas, M Patel	Tool to Assess Regional Public Transport Plans for Integrated Systems*	Planning
L Staes	Review and Evaluation of Public Transportation Safety Standards*	Planning
Federal Transit Administration	National Public Transportation Safety Plan*	Planning
I Constantin, D Florian	Journey Levels in Strategy-Based Transit Assignment: Modeling Integrated Transit Fares and More*	Planning
N Aydin	A fuzzy-based multi-dimensional and multi-period service quality evaluation outline for rail transit systems*	Planning
S Saxe, E Miller, P Guthrie	The net greenhouse gas impact of the Sheppard Subway Line*	Planning
T Camacho, Ms Foth, A Rakotonirainy, M Rittenbruch	Understanding urban rail in-vehicle activities: An activity theory approach*	Planning
W Yang, B Chen, X Cao, T Li, P Li	The spatial characteristics and influencing factors of modal accessibility gaps: A case study for Guangzhou, China*	Land use
S Hamidi, K Kittrell, R Ewing	Value of Transit as Reflected in U.S. Single-Family Home Premiums: A Meta-Analysis*	Land use
B Appleyard, C Ferrell, M Taecker	Toward a Typology of Transit Corridor Livability*	Land use
W Xu, W Zhang, L Li	Measuring the expected locational accessibility of urban transit network for commuting trips*	Land use



S Bhattacharjee, A Goetz	Response to "The impact of light rail on congestion in Denver: A reappraisal"*	Land use
M Mondragón-Ixtlahuac, J Cortés-Martínez, D Delgado-Hernández	A strategic planning model for the passenger rail implementation process: The case of Mexico*	Land use
A Davis, D Leven	Should Transit Continue to Chase Development? Scenario Modeling and Analysis Supporting Regional Efficiency and Cost-Effectiveness in Washington, D.C., Region*	Land use
A Babb, K Watkins	Complete Streets Policies and Public Transit*	Land use
K Seo, A Golub, M Kuby	Corrigendum to "Combined impacts of highways and light rail transit on residential property values: A spatial hedonic price model for Phoenix, Arizona" [J. Transp. Geogr. Volume 41(2014) pp. 53–62]*	Land use
A Papagiannakis, I Baraklianos, A Spyridonidou	Urban travel behaviour and household income in times of economic crisis: Challenges and perspectives for sustainable mobility*	Ridership
M Tivadar, O Heddebaut	A commuting model for the analysis of the impacts of a tramway project: application to the Lens area*	Ridership
D Papaioannou, L Martínez	Measuring Satisfaction with Transit and Car Trips with Use of One Logistic Regression Model*	Ridership
C Miller, I Savage	Does the demand response to transit fare increases vary by income?*	Ridership
S Beige, K Axhausen	The dynamics of commuting over the life course: Swiss experiences*	Ridership
Y Li, X Wang, S Sun, X Ma, G Lu	Forecasting short-term subway passenger flow under special events scenarios using multiscale radial basis function networks*	Ridership
A Weiss, K Habib	Examining the difference between park and ride and kiss and ride station choices using a spatially weighted error correlation (SWEC) discrete choice model*	Ridership
T Combs	Examining changes in travel patterns among lower wealth households after BRT investment in Bogotá, Colombia*	Ridership
N Zhao, C Roberts, S Hillmansen, Z Tian, P Weston, L Chen	An integrated metro operation optimization to minimize energy consumption*	Operations
G Laporte, F Ortega, M Pozo, J Puerto	Multi-objective integration of timetables, vehicle schedules and user routings in a transit network*	Operations
D Sparing, R Goverde	A cycle time optimization model for generating stable periodic railway timetables*	Operations
S Van Aken, N Bešinović, R Goverde	Designing alternative railway timetables under infrastructure maintenance possessions*	Operations
J Yin, L Yang, T Tang, Z Gao, B Ran	Dynamic passenger demand oriented metro train scheduling with energy-efficiency and waiting time minimization: Mixed-integer linear programming approaches*	Operations
S Li, M Dessouky, L Yang, Z Gao	Joint optimal train regulation and passenger flow control strategy for high-frequency metro lines*	Operations
E Hassannayebi, S Zegordi, M Yaghini, M Amin-Naseri	Timetable optimization models and methods for minimizing passenger waiting time at public transit terminals*	Operations
C Yu, Z He	Analysing the spatial-temporal characteristics of bus travel demand using the heat map*	Technology
M Nesheli, A Ceder, F Ghavamirad, S Thacker	Environmental impacts of public transport systems using real-time control method*	Technology
W Allen, R Murray	Implementation of Smart Card Automatic Fare Collection (AFC) Technology in Small Transit Agencies for Standards Development	Technology
R Günther, T Wenzel, M Wegner, R Rettig	Big data driven dynamic driving cycle development for busses in urban public transportation*	Technology
C Cottrill, P Gault, G Yeboah, J Nelson, J Anable, T Budd	Tweeting Transit: An examination of social media strategies for transport information management during a large event	Technology
D Hensher	Future bus transport contracts under a mobility as a service (MaaS) regime in the digital age: Are they likely to change?*	Technology
İ Verbas, H Mahmassani, M Hyland, H Halat	Integrated Mode Choice and Dynamic Traveler Assignment in Multimodal Transit Networks: Mathematical Formulation, Solution Procedure, and Large-Scale Application*	Mode
C Mulley, D Hensher, D Cosgrove	Is rail cleaner and greener than bus?*	Mode
Y Xi, S Saxe, E Miller	Accessing the Subway in Toronto, Canada: Access Mode and Catchment Areas*	Mode



P Chen, Y Nie	Connecting e-hailing to mass transit platform: Analysis of relative spatial position*	Mode
J Chen, G Currie, W Wang, Z Liu, Z Li	Should Optimal Stop Spacing Vary by Land Use Type? New Methodology*	Infrastructure
M Lagune-Reutler, A Guthrie, Y Fan, D Levinson	Transit Stop Environments and Waiting Time Perception: Impacts of Trees, Traffic Exposure, and Polluted Air*	Infrastructure
C D'Souza, V Paquet, J Lenker, E Steinfeld	Effects of transit bus interior configuration on performance of wheeled mobility users during simulated boarding and disembarking*	Infrastructure
M Koch, G Newmark	Legislating Transit "Coopetition" Privatization and Planning Devolution in Germany*	Organisation
A Nayan, D Wang	Optimal bus transit route packaging in a privatized contracting regime*	Organisation
L Lin, C Yeh, S Chen, C Huang	Role of governance in the achievement of 20-fold increase in bus ridership – A case study of Taichung City*	Organisation
D Verbich, A El-Geneidy	Public transit fare structure and social vulnerability in Montreal, Canada*	Policy
A Lubitow, J Rainer, S Bassett	Exclusion and vulnerability on public transit: experiences of transit dependent riders in Portland, Oregon*	Policy
S Page, B Bishop, W Wong	Guide to Value Capture Financing for Public Transportation Projects*	Economics
M Burguillo, D Romero-Jordán, J Sanz-Sanz	The new public transport pricing in Madrid Metropolitan Area: A welfare analysis*	Economics
M Nayeem, M Rahman, M Rahman	Corrigendum to "Transit network design by genetic algorithm with elitism" [Transport. Res. Part C: Emerg. Technol. 46 (2014) 30–45]*	Literature Review
J Williams	Synthesis of Information Related to Transit Practices: 2017*	

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