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

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World Transit Research October 2018 Newsletter

Institute of Transport Studies Monash University

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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 7,020 research reports/papers. Some 65 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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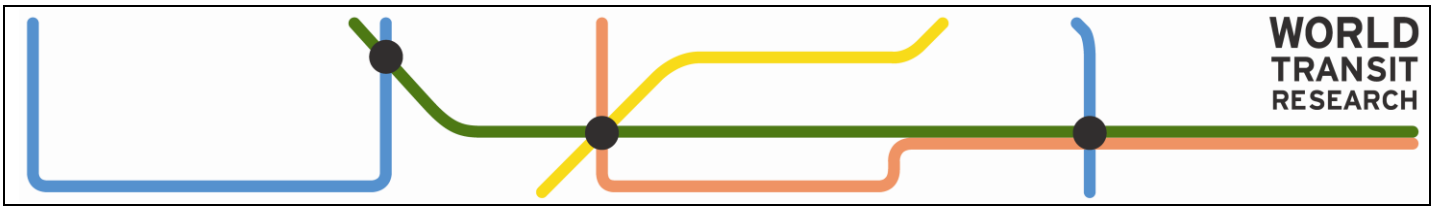
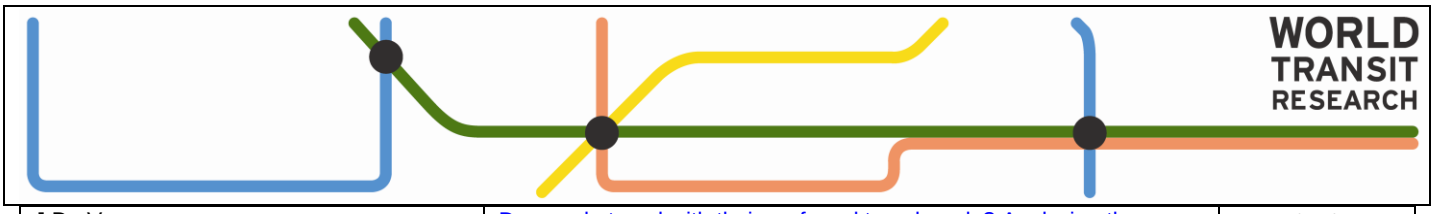


WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
X Zhang, Q Zhang, T Sun, Y Zou, H Chen	Evaluation of urban public transport priority performance based on the improved TOPSIS method: A case study of Wuhan*	Planning
M Lu, S Hsu, P Chen, W Lee	Improving the sustainability of integrated transportation system with bike-sharing: A spatial agent-based approach*	Planning
A Gil Solá, B Vilhelmson, A Larsson	Understanding sustainable accessibility in urban planning: Themes of consensus, themes of tension*	Planning
K Gkiotsalitis, N Maslekar	Towards transfer synchronization of regularity-based bus operations with sequential hill-climbing	Planning
J Bunker	High volume bus stop upstream average waiting time for working capacity and quality of service*	Planning
H Nishiuchi, Y Kobayashi, T Todoroki, T Kawasaki	Impact analysis of reductions in tram services in rural areas in Japan using smart card data*	Planning
B Barabino	Automatic recognition of “low-quality” vehicles and bus stops in bus services*	Planning
D van Lierop, A El-Geneidy	Is having a positive image of public transit associated with travel satisfaction and continued transit usage? An exploratory study of bus transit*	Planning
M Rahman, L Kattan, S Wirasinghe	Trade-offs between headway, fare, and real-time bus information under different weather conditions*	Planning
Y Yap, N van Oort, R van Nes, B van Arem	Identification and quantification of link vulnerability in multi-level public transport networks: a passenger perspective	Planning
H Kim, Y Song	An integrated measure of accessibility and reliability of mass transit systems*	Planning
S Zhang, J Zhao	Low-carbon futures for Shenzhen’s urban passenger transport: A human-based approach*	Planning
F Corman, P Kecman	Stochastic prediction of train delays in real-time using Bayesian networks*	Planning
A Aziz, M Nawaz, M Nadeem, L Afzal	Examining suitability of the integrated public transport system: A case study of Lahore*	Planning
B Agbelie, K Libnao	Unobserved heterogeneity analysis of rail transit incident delays*	Planning
L Mottee, R Howitt	Follow-up and social impact assessment (SIA) in urban transport-infrastructure projects: insights from the parramatta rail link	Planning
J Lee, S Yoo, H Kim, Y Chung	The spatial and temporal variation in passenger service rate and its impact on train dwell time: A time-series clustering approach using dynamic time warping*	Planning
Y Sun, P Schonfeld, Q Guo	Optimal extension of rail transit lines*	Planning
D Huang, Z Liu, X Fu, P Blythe	Multimodal transit network design in a hub-and-spoke network framework*	Planning
J Machado, R de Oña, F Diez-Mesa, J de Oña	Finding service quality improvement opportunities across different typologies of public transit customers*	Planning
L Zhao, S Chien, L Spasovic, X Liu	Modeling and optimizing urban bus transit considering headway variation for cost and service reliability analysis*	Planning
Y Lai, C Huang, Y Hsu	Estimation of rail passenger flow and system utilization with ticket transaction and gate data*	Planning
C Li, J Ma, T Luan, X Zhou, L Xiong,	An incentive-based optimizing strategy of service frequency for an urban rail transit system*	Planning
H Kim, K Lee, J Park, Y Song	Transit network expansion and accessibility implications: A case study of Gwangju metropolitan area, South Korea*	Planning
K Lucas, I Philips, C Mulley, L Ma	Is transport poverty socially or environmentally driven? Comparing the travel behaviours of two low-income populations living in central and peripheral locations in the same city	Planning
E Zaidan, A Abulibdeh	Modeling ground access mode choice behavior for Hamad International Airport in the 2022 FIFA World Cup city, Doha, Qatar*	Ridership
M Smart, N Klein	Remembrance of Cars and Buses Past: How Prior Life Experiences Influence Travel*	Ridership
J Barajas, A Agrawal, D Chatman	Immigration, Income, and Public Transit Perceptions: Findings from an Intercept Survey	Ridership
Z Wang, F Chen, B Wang, J Huang	Passengers’ response to transit fare change: an ex post appraisal using smart card data*	Ridership
A Keyes, D Crawford-Brown	The changing influences on commuting mode choice in urban England under Peak Car: A discrete choice modelling approach	Ridership



J De Vos	Do people travel with their preferred travel mode? Analysing the extent of travel mode dissonance and its effect on travel satisfaction*	Ridership
D Nguyen-Phuoc, G Currie, C De Gruyter, W Young	**Exploring the impact of public transport strikes on travel behavior and traffic congestion***	**Ridership**
J Ingvardson, O Nielsen,	How urban density, network topology and socio-economy influence public transport ridership: Empirical evidence from 48 European metropolitan areas*	Ridership
P Carleton, J Porter	A comparative analysis of the challenges in measuring transit equity: definitions, interpretations, and limitations*	Ridership
C Yang, F Yan, S Ukkusuri	Unraveling traveler mobility patterns and predicting user behavior in the Shenzhen metro system*	Ridership
I Gokasar, G Bakioglu	Modeling the effects of real time traffic information on travel behavior: A case study of Istanbul Technical University*	Ridership
S Ramezani, B Pizzo, E Deakin	Determinants of sustainable mode choice in different socio-cultural contexts: A comparison of Rome and San Francisco*	Land use
J Dubé, E Andrianary, F Assad-Déry, J Poupart, J Simard	Exploring difference in value uplift resulting from new bus rapid transit routes within a medium size metropolitan area*	Land use
K Bothe, H Hansen, L Winther	Spatial restructuring and uneven intra-urban employment growth in metro- and non-metro-served areas in Copenhagen*	Land use
D Kasraian, K Maat, B van Wee	Urban developments and daily travel distances: Fixed, random and hybrid effects models using a Dutch pseudo-panel over three decades*	Land use
P Zhao, H Yang, L Kong, Y Liu, D Liu	Disintegration of metro and land development in transition China: A dynamic analysis in Beijing*	Land use
R Deboosere, A El-Geneidy, D Levinson	Accessibility-oriented development*	Land use
Q Lu	Modeling network resilience of rail transit under operational incidents*	Operations
S Josyula, J Törnquist Krasemann, L Lundberg	A parallel algorithm for train rescheduling	Operations
E Jenelius	Public transport experienced service reliability: Integrating travel time and travel conditions*	Operations
X Pi, M Egge, J Whitmore, A Silbermann, Z Qian	Understanding Transit System Performance Using AVL-APC Data: An Analytics Platform with Case Studies for the Pittsburgh Region	Operations
S AlKheder, F AlRukaibi, A Zaqzouq	Optimal bus frequency for Kuwait public transportation company: A cost view*	Operations
N Haghighi, X Liu, R Wei, W Li, H Shao	Using Twitter data for transit performance assessment: a framework for evaluating transit riders' opinions about quality of service*	Technology
P Kumar, A Khani, Q He	A robust method for estimating transit passenger trajectories using automated data*	Technology
J Ribau, S Vieira, C Silva	Selecting sustainable electric bus powertrains using multipreference evolutionary algorithms*	Technology
J Yamaura, S Muench	Assessing the impacts of mobile technology on public transportation project inspection*	Technology
D Ripplinger, J Bitzan	The cost structure of transit in small urban and rural U.S. communities*	Economics
R Sharma, P Newman	Does urban rail increase land value in emerging cities? Value uplift from Bangalore Metro*	Economics
J Robinson, C De Gruyter	Financing infrastructure through user-pays development contributions: an assessment of Australian practice*	Economics
X Gong, G Currie, Z Liu, X Guo	**A disaggregate study of urban rail transit feeder transfer penalties including weather effects***	**Mode**
C Ho, D Hensher, C Mulley, Y Wong	Potential uptake and willingness-to-pay for Mobility as a Service (MaaS): A stated choice study*	Mode
D Nguyen-Phuoc, G Currie, C De Gruyter, I Kim, W Young	Modelling the net traffic congestion impact of bus operations in Melbourne*	Mode
X Harmony	Fare Policy and Vertical Equity: The Trade-off between Affordability and Cost Recovery	Policy
L Guzman, C Moncada, S Gómez	Fare discrimination and daily demand distribution in the BRT system in Bogotá*	Policy
Z Yang, M Tang	Does the increase of public transit fares deteriorate air quality in Beijing?*	Policy
Y Yuan, J Yu	Locating transit hubs in a multi-modal transportation network: A cluster-based optimization approach*	Infrastructure
H Ngo, R Shah, S Mishra	Optimal asset management strategies for mixed transit fleet*	Infrastructure
A Dementiev	Contracting out public transport services to vertical partnerships*	Organisation

R Pyddoke, H Lindgren	Outcomes from new contracts with “strong” incentives for increasing ridership in bus transport in Stockholm*	Organisation
V De Martinis, F Corman	Data-driven perspectives for energy efficient operations in railway systems: Current practices and future opportunities*	Literature review

Note: Articles with an asterisk * are from Journals that require a subscription to view the full article