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The Australian Research Council Key Centre in Transport Management

Institute of Transport Studies, Monash University
World Transit Research

World Transit Research Newsletter

2-2021

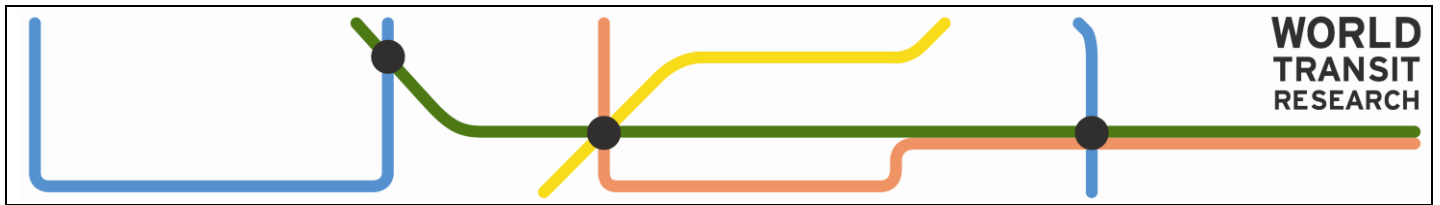
World Transit Research February 2021 Newsletter

Institute of Transport Studies Monash University

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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 8,246 research reports/papers. Some 95 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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If you have any queries or suggestions on how to improve our publication, we would love to hear from you at: enquiries@worldtransitresearch.info

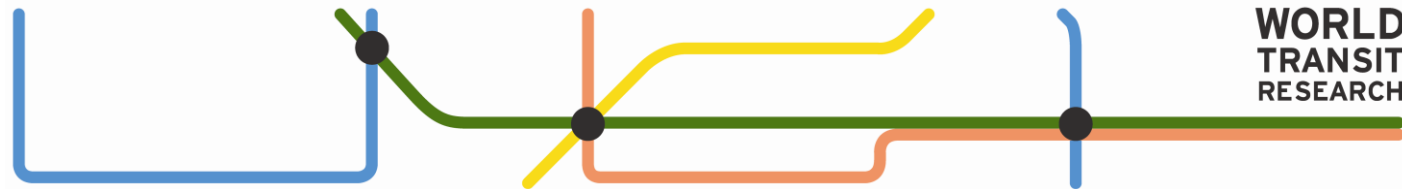
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WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
D Sheng, Q Meng	Public bus service contracting: A critical review and future research opportunities	Planning
F Hirschhorn, D van de Velde, W Veeneman, E ten Heuvelhof	The governance of attractive public transport: Informal institutions, institutional entrepreneurs, and problem-solving know-how in Oslo and Amsterdam	Planning
G Alexandersson, S Hultén, J Jardón	Hybrid markets in public transport – contract design, performance and conflicts	Planning
C Lowe, J Stanley, J Stanley	Transport industry adapting to change: An Australian case study	Planning
F Pettersson, C Sørensen	Why do cities invest in bus priority measures? Policy, polity, and politics in Stockholm and Copenhagen	Planning
X Chen, X Lin, F He, M Li	Modeling and control of automated vehicle access on dedicated bus rapid transit lanes	Planning
L Zhang, H Wen, J Lu, S Li, D Lei	Vulnerability assessment and visualization of large-scale bus transit network under route service disruption	Planning
Z Hamidi, C Zhao	Shaping sustainable travel behaviour: Attitude, skills, and access all matter	Planning
B Capali, H Ceylan	A multi-objective meta-heuristic approach for the transit network design and frequency setting problem	Planning
F Meng, L Yang, Y Wei, S Li, Z Gao, J Shi	Collaborative passenger flow control on an oversaturated metro line: a path choice approach	Planning
X Tian, H Niu	Optimization of demand-oriented train timetables under overtaking operations: A surrogate-dual-variable column generation for eliminating indivisibility	Planning
F Romero, J Gomez, A Paez, J Vassallo	Toll roads vs. Public transportation: A study on the acceptance of congestion-calming measures in Madrid	Planning
J de Oña	The role of involvement with public transport in the relationship between service quality, satisfaction and behavioral intentions	Planning
R Rafiq, M McNally	An empirical analysis and policy implications of work tours utilizing public transit	Planning
J Esmailpour, K Aghabayk, M Vajari, C De Gruyter	Importance – Performance Analysis (IPA) of bus service attributes: A case study in a developing country	Planning
J de Oña	Understanding the mediator role of satisfaction in public transport: A cross-country analysis	Planning
D Toro-González, V Cantillo, V Cantillo-García	Factors influencing demand for public transport in Colombia	Planning
J Heyer, M Palm, D Niemeier	Are we keeping up? Accessibility, equity and air quality in regional planning	Planning
J Jomehpour Chahar Aman, J Smith-Colin	Transit Deserts: Equity analysis of public transit accessibility	Planning
X Karekla, K Gkiotsalitis, N Tyler	The impact of a passenger-safety-driven acceleration limit on the operation of a bus service	Planning
S Hamidi, R Etminani-Ghasrodashti, S Kang, R Ewing	Institute of Transportation Engineers Guidelines versus Actual Trip and Parking Generation for a Transit-Oriented Development in an Auto-Oriented Region	Planning
A Marra, F Corman	From Delay to Disruption: Impact of Service Degradation on Public Transport Networks	Planning
S Strandbygaard, O Nielsen, A Jones, B Grönlund, L Jensen	Fear follows form: A study of the relationship between neighborhood type, income and fear of crime at train stations	Planning
M Will, Y Cornet, T Munshi	Measuring road space consumption by transport modes: Toward a standard spatial efficiency assessment method and an application to the development scenarios of Rajkot City, India	Planning
D Bautista-Hernández	Commuting inequality, role of urban structure, and identification of disadvantaged groups in the Mexico City metropolitan area	Planning
J Guan, K Zhang, S Zhang, Y Chen	How is public transit in the megacity peripheral relocatees' area in China? Captive transit rider and dynamic modal accessibility gap analytics in a peripheral large-scale residential area in Shanghai, China	Planning
B Wai, W Zhou	Designing and Implementing Real-Time Bus Time Predictions using Artificial Intelligence	Planning
T Liu, A Ceder, A Rau	Using Deficit Function to Determine the Minimum Fleet Size of an Autonomous Modular Public Transit System	Planning

M Duncan, J Cao	Marginal Impacts of Park-and-Ride Facilities in the Twin Cities Region of the US	Planning
M Gascon, O Marquet, E Gràcia-Lavedan, A Ambròs, T Götschi, A de Nazelle, L Panis, R Gerike, C Brand, E Dons, U Eriksson, F Iacorossi, I Ávila-Palència, T Cole-Hunter, M Niewenhuisjen	What explains public transport use? Evidence from seven European cities	Ridership
D Lei, X Chen, L Cheng, L Zhang, S Ukkusuri, F Witlox	Inferring temporal motifs for travel pattern analysis using large scale smart card data	Ridership
X Li, X Wang, B Jia, R Jiang	Modal split and commuting patterns on a bottleneck-constrained highway with peak-only bus lane	Ridership
L Kang, Q Meng, C Zhou	Bus driver scheduling enhancement: a derandomizing approach for uncertain bus trip times	Ridership
F Dai, M Diao, T Sing	Effects of rail transit on individual travel mode shares: A two-dimensional propensity score matching approach	Ridership
A Marra, F Corman	Determining an efficient and precise choice set for public transport based on tracking data	Ridership
X Shen, S Feng	How public transport subsidy policies in China affect the average passenger load factor of a bus line	Ridership
M Sidloski, E Diab	Understanding the Effectiveness of Bus Rapid Transit Systems in Small and Medium-Sized Cities in North America	Ridership
L Tarpin-Pitre, C Morency	Typology of Bikeshare Users Combining Bikeshare and Transit	Ridership
J DeWeese, A El-Geneidy	Commuters' Assessment of Public Transport as a "Reasonable" Option in Montreal, QC	Ridership
V Varghese, M Chikaraishi, H Kato	Analysis of Travel-Time Use in Crowded Trains using Discrete-Continuous Choices of Commuters in Tokyo, Japan	Ridership
L Joseph, A Neven, K Martens, O Kweka, G Wets, D Janssens	Activity Participation and Perceptions on Informal Public Transport and Bus Rapid Transit in Dar es Salaam	Ridership
G Azimi, A Rahimi, H Asgari, X Jin	Role of Attitudes in Transit and Auto Users' Mode Choice of Ridesourcing	Ridership
A Chaparro, P Galilea, J Muñoz, J Poblete	Application of an incentive for bus drivers to achieve an improvement in the quality of service	Ridership
J Yang, P Su, J Cao	On the importance of Shenzhen metro transit to land development and threshold effect	Land use
M Roca-Riu, M Menendez, I Dakic, S Buehler, J Ortigosa	Urban space consumption of cars and buses: an analytical approach	Land use
H Xia	Public transport or E-bike taxis: the implication of everyday mobilities in contemporary China	Land use
V Thao, T Ohnmacht	The impact of the built environment on travel behavior: The Swiss experience based on two National Travel Surveys	Land use
Q Shao, W Zhang, X Cao, J Yang, J Yin	Threshold and moderating effects of land use on metro ridership in Shenzhen: Implications for TOD planning	Land use
R Tamakloe, J Hong, J Tak	Determinants of transit-oriented development efficiency focusing on an integrated subway, bus and shared-bicycle system: Application of Simar-Wilson's two-stage approach	Land use
L Liu, M Zhang, T Xu	A conceptual framework and implementation tool for land use planning for corridor transit oriented development	Land use
Y Huang, T Hong, T Ma	Urban network externalities, agglomeration economies and urban economic growth	Land use
I Nilsson, E Delmelle	On the link between rail transit and spatial income segregation	Land use
C De Gruyter, T Saghapour, L Ma, J Dodson	How does the built environment affect transit use by train, tram and bus?	Land use
Y Choi, S Guhathakurta	Do people walk more in transit-accessible places?	Land use
N Oppong-Yeboah, T Gim	Does urban form influence automobile trip frequency in Accra, Ghana?	Land use
J Li, Z Liu, J Yu, H Hu	Effect of Urban Rail Transit Lines Linking the New Towns on Land Value Uplift in the Megacity Based on Difference-in-Difference Model	Land use
L Aston, G Currie, A Delbosc, M Kamruzzaman, D Teller	Exploring built environment impacts on transit use – an updated meta-analysis	Land use
J Preston, J Walters	Workshop 1 report: Models of mainstream public transport provision	Organisation
A Dementiev, H Han	A theory of deregulation in public transport	Organisation

J Preston, C Bickel	And the beat goes on. The continued trials and tribulations of passenger rail franchising in Great Britain	Organisation
I Wallis	Value for money in procurement of urban bus services – Competitive tendering versus negotiated contracts: Recent New Zealand experience	Organisation
J Walters	Understanding bidder behaviour: The case of the Mamelodi contract	Organisation
D van de Velde, G Alexandersson	Workshop 2 report: Practical considerations in implementing different institutional regimes	Organisation
C Camén, P Tsaxiri, M Aldenius, H Lidestam	Flexibility in contract design - is that possible?	Organisation
P Papaioannou, G Georgiadis, A Nikolaidou, I Politis	Public Transport tendering and contracting arrangements in countries under regulatory transition: The case of Cyprus	Organisation
A Ryzhkov, Y Sarzhan	Market initiative and central planning: A study of the Moscow bus network	Organisation
F Sharmeen, D Drost, H Meurs	A business model perspective to understand intra-firm transitions: From traditional to flexible public transport services	Organisation
A Wilson, B Mason	The coming disruption – The rise of mobility as a service and the implications for government	Organisation
A Bigazzi	Marginal emission factors for public transit: Effects of urban scale and density	Technology
A Khadhir, B Kumar, L Vanajakshi	Analysis of global positioning system based bus travel time data and its use for advanced public transportation system applications	Technology
J Osorio-Arjona, J Horak, R Svoboda, Y García-Ruíz	Social media semantic perceptions on Madrid Metro system: Using Twitter data to link complaints to space	Technology
F Rosero, N Fonseca, J López, J Casanova	Effects of passenger load, road grade, and congestion level on real-world fuel consumption and emissions from compressed natural gas and diesel urban buses	Technology
Y Sui, H Zhang, W Shang, R Sun, C Wang, J Ji, X Song, F Shao	Mining urban sustainable performance: Spatio-temporal emission potential changes of urban transit buses in post-COVID-19 future	Technology
Z Zhang, H He, J Guo, R Han	Velocity prediction and profile optimization based real-time energy management strategy for Plug-in hybrid electric buses	Technology
A Saadon Al-Ogaili, Agileswari Ramasamy, T Juhana Tengku Hashim, A Al-Masri, Y Hoon, M Neamah Jebur, R Verayiah, M Marsadek	Estimation of the energy consumption of battery driven electric buses by integrating digital elevation and longitudinal dynamic models: Malaysia as a case study	Technology
R Pyddoke	Penalties as incentives for punctuality and regularity in tendered Swedish public transport	Operations
B Bian, N Zhu, M Pinedo, S Ma, Q Yu	An optimization-based speed-control method for high frequency buses serving curbside stops	Operations
P Liu, M Schmidt, Q Kong, J Wagenaar, L Yang, Z Gao, H Zhou	A robust and energy-efficient train timetable for the subway system	Operations
J Paudel	Bus ridership and service reliability: The case of public transportation in Western Massachusetts	Operations
M Palm, A Shalaby, S Farber	Social Equity and Bus On-Time Performance in Canada's Largest City	Operations
W Li, Q Luo, S Zephanaih, Z Liu	Evaluating the Dynamic Accessibility of Metro Systems in Overcrowded Conditions	Operations
K Wu, M Lu, S Guler	Modeling and optimizing bus transit priority along an arterial: A moving bottleneck approach	Infrastructure
S Jara-Díaz, A Fielbaum, A Gschwender	Strategies for transit fleet design considering peak and off-peak periods using the single-line model	Infrastructure
I Kwong, M Nourinejad, A Shalaby	Existing Problems of Transit Signal Priority on Streetcar Routes	Infrastructure
G Sevilgen, G Sayaral, M Kiliç, H Bayram	Investigation of Thermal Sensation in a Railway Vehicle during Cooling Period	Infrastructure
M Bayrak, S Guler	Determining Optimum Transit Signal Priority Implementation Locations on a Network	Infrastructure
I Lawrie, J Stone, I Woodcock	Assessing the Spatial Implications of Autonomous Vehicles as Feeders to Railway Stations in Suburban Melbourne	Mode
M Rizelioğlu, T Arslan	Assessing the Existing Bursa Light Rail Transportation System	Mode
E Asimeng, D Heinrichs	Why do paratransit operators resist participation in bus rapid transit? Case evidence from Bogota, Mexico City, Johannesburg and Lagos	Mode
I Mateo-Babiano, R Recio, D Ashmore, M Guillen, S Gaspay	Formalising the jeepney industry in the Philippines – A confirmatory thematic analysis of key transitional issues	Policy
J Kent, C Mulley, N Stevens	Challenging policies that prohibit public transport use: Travelling with pets as a case study	Policy



I Rubensson, Y Susilo, O Cats	Fair accessibility – Operationalizing the distributional effects of policy interventions	Policy
R Hrelja, J Khan, F Pettersson	How to create efficient public transport systems? A systematic review of critical problems and approaches for addressing the problems	Literature review
G Oaschger, P Carroll, B Caulfield	Micromobility and public transport integration: The current state of knowledge	Literature review
J López-Ibarra, H Gaztañaga, A Saez-de-Ibarra, H Camblong	Plug-in hybrid electric buses total cost of ownership optimization at fleet level based on battery aging	Economics

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