



Institute of Transport Studies (Monash)
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**Institute of Transport Studies, Monash
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World Transit Research**

World Transit Research Newsletter

6-2018

World Transit Research June 2018 Newsletter

Institute of Transport Studies Monash University

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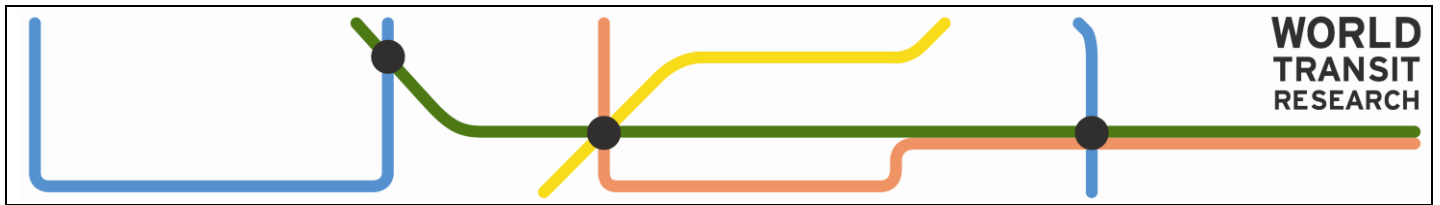
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MONASH University



World Transit Research

June 2018 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 6,896 research reports/papers. Some 74 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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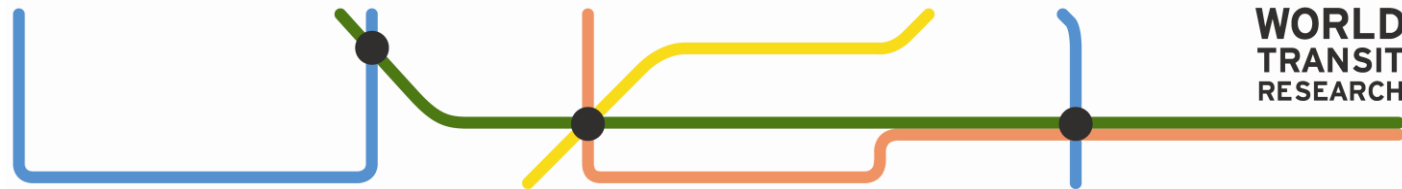
If you have any queries or suggestions on how to improve our publication, we would love to hear from you at: enquiries@worldtransitresearch.info

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WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS

AUTHOR	TITLE	CATEGORY
O Linovski, D Baker, K Manaugh	Equity in practice? Evaluations of equity in planning for bus rapid transit*	Planning
O Manout, P Bonnel, L Bouzouina	Transit accessibility: A new definition of transit connectors*	Planning
W Fan, Y Mei, W Gu	Optimal design of intersecting bimodal transit networks in a grid city*	Planning
Y Yuan, J Yu	Locating transit hubs in a multi-modal transportation network: A cluster-based optimization approach*	Planning
C Lowe, J Stanley, J Stanley	A broader perspective on social outcomes in transport*	Planning
R Buehler	Can Public Transportation Compete with Automated and Connected Cars?	Planning
G Currie	Lies, Damned Lies, AVs, Shared Mobility, and Urban Transit Futures	Planning
S Polzin	Just Around the Corner: The Future of U.S. Public Transportation	Planning
S Shaheen, A Cohen	Is It Time for a Public Transit Renaissance?: Navigating Travel Behavior, Technology, and Business Model Shifts in a Brave New World	Planning
E Sukaryavichute, D Prytherch	Transit planning, access, and justice: Evolving visions of bus rapid transit and the Chicago street*	Planning
L Li, Y Bai, Z Song, A Chen, B Wu	Public transportation competitiveness analysis based on current passenger loyalty*	Planning
X Wu, J Cao, J Huting	Using three-factor theory to identify improvement priorities for express and local bus services: An application of regression with dummy variables in the Twin Cities*	Planning
R Camporeale, L Caggiani, M Ottomanelli	Modeling horizontal and vertical equity in the public transport design problem: A case study*	Planning
S Sun, W Szeto	Logit-based transit assignment: Approach-based formulation and paradox revisit*	Planning
S Silver	Multivariate methodology for discriminating market segments in urban commuting*	Planning
L Eboli, C Forciniti, G Mazzulla	Formative and reflective measurement models for analysing transit service quality*	Planning
NACTO	Making Transit Count: Performance Measures that Move Transit Projects Forward	Planning
J Allen, J Muñoz, J de Dios Ortúzar	Modelling service-specific and global transit satisfaction under travel and user heterogeneity*	Planning
Y Zheng, W Li, F Qiu	A slack arrival strategy to promote flex-route transit services*	Planning
D Canales, S Bouton, E Trimble, J Thayne, L Da Silva, S Shastry, S Knupfer, M Powell	Connected Urban Growth: Public-Private Collaborations for Transforming Urban Mobility	Planning
W Gu, J Yu, Y Ji, Y Zheng, H Zhang	Plan-based flexible bus bridging operation strategy*	Operations
R Kiani Mavi, N Zarbakhshnia, A Khazraei	Bus rapid transit (BRT): A simulation and multi criteria decision making (MCDM) approach*	Operations
J Tyndall	Bus quality improvements and local commuter mode share*	Operations
J Parbo, O Nielsen, C Prato	Reducing passengers' travel time by optimising stopping patterns in a large-scale network: A case-study in the Copenhagen Region*	Operations
A Chow, A Pavlides	Cost functions and multi-objective timetabling of mixed train services*	Operations
T Nisar, G Prabhakar	Trains and Twitter: Firm generated content, consumer relationship management and message framing*	Operations
V Boyer, O Ibarra-Rojas, Y Ríos-Solís	Vehicle and Crew Scheduling for Flexible Bus Transportation Systems*	Operations
E Hassannayebi, S Zegordi, M Amin-Naseri, M Yaghini	Optimizing headways for urban rail transit services using adaptive particle swarm algorithms*	Operations
B Varga, T Tettamanti, B Kulcsár	Optimally combined headway and timetable reliable public transport system*	Operations
L Desfontaines, G Desaulniers	Multiple depot vehicle scheduling with controlled trip shifting*	Operations
S Liu, E Yao, B Li	Exploring urban rail transit station-level ridership growth with network expansion*	Ridership
N Abdul Sukor, N Khairiyah Basri, A Tarigan	The role of incentives towards adolescents' commitment to use public transport in Malaysia*	Ridership
M Manville, B Taylor, E Blumenberg	Transit in the 2000s: Where Does It Stand and Where Is It Headed?	Ridership
Y Huang, P Lin, J Wang	The influence of bus and taxi drivers' public self-consciousness and social anxiety on aberrant driving behaviors*	Ridership

Y Zhang, E Yao, J Zhang, K Zheng	Estimating metro passengers' path choices by combining self-reported revealed preference and smart card data*	Ridership
X Cao	Examining the effect of the Hiawatha LRT on auto use in the Twin Cities*	Ridership
X Fu, J Zhang, F Chan	Determinants of loyalty to public transit: A model integrating Satisfaction-Loyalty Theory and Expectation-Confirmation Theory*	Ridership
J Levine, M Zellner, M Arquero de Alarcón, Y Shiftan, D Massey	The impact of automated transit, pedestrian, and bicycling facilities on urban travel patterns*	Ridership
H Gan, X Ye	Will commute drivers switch to park-and-ride under the influence of multimodal traveler information? A stated preference investigation*	Ridership
F Corman, E Quaglietta, R Goverde	Automated real-time railway traffic control: an experimental analysis of reliability, resilience and robustness*	Technology
Y Song, Y Fan, X Li, Y Ji	Multidimensional visualization of transit smartcard data using space-time plots and data cubes*	Technology
E Manley, C Zhong, M Batty	Spatiotemporal variation in travel regularity through transit user profiling	Technology
C Schweiger	Improved Mobility through Blurred Lines	Technology
J Lutin	Not If, but When: Autonomous Driving and the Future of Transit	Technology
W Tu, R Cao, Y Yue, B Zhou, Q Li, Q Li	Spatial variations in urban public ridership derived from GPS trajectories and smart card data*	Technology
A Tavassoli, M Mesbah, M Hickman	Application of smart card data in validating a large-scale multi-modal transit assignment model*	Technology
G Ambrosino, C Disperati, S Gini, L Mussone	The role and potential of automatic certification to improve the validation of AVM operated public transport services*	Technology
X Zhang, Y Xu, W Tu, C Ratti	Do different datasets tell the same story about urban mobility — A comparative study of public transit and taxi usage*	Technology
A Karl	Commercial services in German local public transport*	Organisation
G Smith, J Sochor, I Karlsson	Mobility as a Service: Development scenarios and implications for public transport*	Organisation
T Rye, J Monios, R Hrelja, K Isaksson	The relationship between formal and informal institutions for governance of public transport*	Organisation
D Boyle	Contracting Fixed-Route Bus Transit Service*	Organisation
L Sagaris	Citizen participation for sustainable transport: Lessons for change from Santiago and Temuco, Chile*	Organisation
P Wegelin	Is the mere threat enough? An empirical analysis about competitive tendering as a threat and cost efficiency in public bus transportation*	Organisation
A Ryzhkov	Local public transport in Russia: Regulation, ownership and competition*	Organisation
J Zacharias, Q Zhao	Local environmental factors in walking distance at metro stations*	Land use
D Vale, C Viana, M Pereira	The extended node-place model at the local scale: Evaluating the integration of land use and transport for Lisbon's subway network*	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
A Nasri, L Zhang	Multi-level urban form and commuting mode share in rail station areas across the United States; a seemingly unrelated regression approach*	Land use
L Zhao, L Shen	The impacts of rail transit on future urban land use development: A case study in Wuhan, China*	Land use
E Guerra, C Caudillo, P Monkkonen, J Montejano	Urban form, transit supply, and travel behavior in Latin America: Evidence from Mexico's 100 largest urban areas	Land use
K Watkins	Does the Future of Mobility Depend on Public Transportation?	Mode
C Lowe, R Wright	Institutional arrangements for greater inter-modality between bicycles and buses: A Melbourne case study*	Mode
Z Navidi, N Ronald, S Winter	Comparison between ad-hoc demand responsive and conventional transit: a simulation study*	Mode
N Fearnley, G Currie, S Flügel, F Gregersen, M Killi, J Toner, M Wardman	Competition and substitution between public transport modes	Mode
J Levine, M Singer, L Merlin, J Grengs	Apples to apples: Comparing BRT and light rail while avoiding the "BRT-Lite" trap*	Mode
J Lorenzo Varela, M Börjesson, A Daly	Public transport: One mode or several?*	Mode
K Bauer, T Bosker, K Dirks, P Behrens	The impact of seating location on black carbon exposure in public transit buses: Implications for vulnerable groups*	Infrastructure
T Islam, H Vu, N Hoang, A Cricenti	A linear bus rapid transit with transit signal priority formulation*	Infrastructure



J Yao, Z Cheng, F Shi, S An, J Wang	Evaluation of exclusive bus lanes in a tri-modal road network incorporating carpooling behavior*	Infrastructure
H Raposo, J Farinha, L Ferreira, D Galar	Dimensioning reserve bus fleet using life cycle cost models and condition based/predictive maintenance: a case study	Infrastructure
L Guzman, D Oviedo	Accessibility, affordability and equity: Assessing 'pro-poor' public transport subsidies in Bogotá*	Policy
M Diao	Towards sustainable urban transport in Singapore: Policy instruments and mobility trends*	Policy
A Vigren, A Ljungberg	Public Transport Authorities' use of Cost-Benefit Analysis in practice*	Economics

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