



**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

---

6-2022

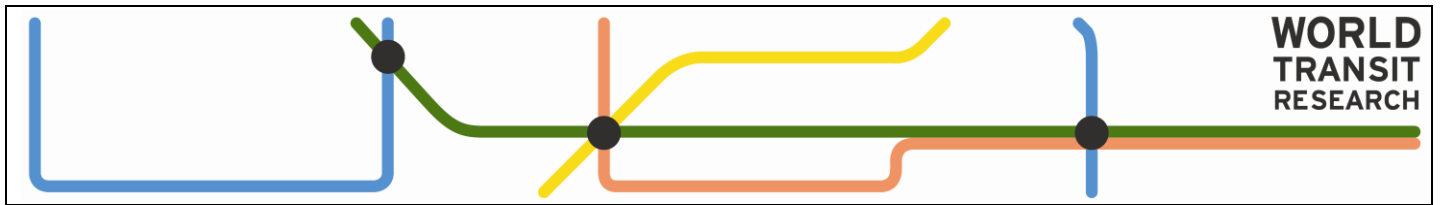
## **World Transit Research June 2022 Newsletter**

Institute of Transport Studies Monash University

Follow this and additional works at: <https://www.worldtransitresearch.info/newsletter>



**MONASH** University



## World Transit Research

### June 2022 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 9,024 research reports/papers. Some 96 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](http://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.

#### **UNSUBSCRIBE**

To unsubscribe from this newsletter please email request to [Monash-ITS-WTR@monash.edu](mailto:Monash-ITS-WTR@monash.edu).

#### **JOURNAL SUBSCRIPTIONS**

Articles on the following two pages denoted with an asterisk \* are from Journals that do not 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](mailto:enquiries@worldtransitresearch.info)

Wendy Walker  
Research Clearing House Manager  
Monash University, Australia  
[enquiries@worldtransitresearch.info](mailto:enquiries@worldtransitresearch.info)  
PH +61 4 4733 9771

**WORLD TRANSIT RESEARCH – NEW RESEARCH PUBLICATIONS**

<b>AUTHOR</b>	<b>TITLE</b>	<b>CATEGORY</b>
A Chandu, I Woodcock	<a href="#">The planning and machinations of the Tullamarine Airport rail link: a historical outline and plans for the future</a>	Planning
J de Oña	<a href="#">Service quality, satisfaction and behavioral intentions towards public transport from the point of view of private vehicle users</a>	Planning
L Otary, M Abou-Zeid, I Kaysi	<a href="#">Modeling car ownership and use in a developing country context with informal public transportation</a>	Planning
M Zavareh, M Mehdizadeh, T Nordfjærn	<a href="#">Demand for mitigating the risk of COVID-19 infection in public transport: The role of social trust and fatalistic beliefs</a>	Planning
E Henry, A Furno, N El Faouzi, D Rey	<a href="#">Locating park-and-ride facilities for resilient on-demand urban mobility</a>	Planning
H Zhang, R Zahnow, Y Liu, J Corcoran	<a href="#">Crime at train stations: The role of passenger presence</a>	Planning
D Coppitters, K Verleysen, W De Paepe, F Contino	<a href="#">How can renewable hydrogen compete with diesel in public transport? Robust design optimization of a hydrogen refueling station under techno-economic and environmental uncertainty</a>	Planning
N Zhang, P Cheng, P Ning, D Schwebel, G Hu	<a href="#">Conflicts between bus drivers and passengers in Changsha, China</a>	Planning
Z Zhang, A Zaman, J Xu, X Liu	<a href="#">Artificial intelligence-aided railroad trespassing detection and data analytics: Methodology and a case study</a>	Planning
L Wang, Y Wang, L Shi, H Xu	<a href="#">Analysis of risky driving behaviors among bus drivers in China: The role of enterprise management, external environment and attitudes towards traffic safety</a>	Planning
J DeWeese, M Palacios, A Belikow, A El-Geneidy	<a href="#">Whose express access? Assessing the equity implications of bus express routes in Montreal, Canada</a>	Planning
C Higgins, M Palm, A DeJohn, L Xi, J Vaughan, S Farber, M Widener, E Miller	<a href="#">Calculating place-based transit accessibility: Methods, tools and algorithmic dependence</a>	Planning
K Zhao, Y Wang, S Zhu, D Sun, G Wei	<a href="#">Integrated Train Timetabling and Rolling Stock Circulation Planning for a Metro Line with Multiple Depots</a>	Planning
S Gunes, A Goodchild, C Greene, V Nemani	<a href="#">Evaluating Traffic Impacts of Permitting Trucks in Transit-Only Lanes</a>	Planning
C Wang, W Chen, Y Xu, Z Ye	<a href="#">Modeling Bus Capacity for Bus Stops Using Queuing Theory and Diffusion Approximation</a>	Planning
E Lind, J Reid	<a href="#">Diagnosing Obstacles to Speed and Reliability with High-Resolution Automatic Vehicle Locator Data: Bus Time Budgets</a>	Planning
K Kim, K Park, A Nelson	<a href="#">Impacts of Light Rail Transit on Labor Participation and Housing Affordability in the U.S.: Longitudinal Analysis Using Propensity Score Matching</a>	Planning
R Lopes, B Farahani, F de Melo, N Ramos, P Moreira	<a href="#">Dynamic Modal Analysis of a Passenger Bus: Theoretical and Numerical Studies</a>	Planning
X Hong, L Meng, F Corman, A D'Ariano, L Veelenturf, S Long	<a href="#">Robust Capacitated Train Rescheduling with Passenger Reassignment under Stochastic Disruptions</a>	Planning
L Nunes, L Rangwala, M Pai	<a href="#">Mainstreaming Photo- and Video-Based Documentation as Method for Establishing a Level of Service Framework for the Mumbai Suburban Railway System</a>	Planning
S Eldakdoky	<a href="#">Analyzing the Newest Interchange Connection at Cairo Metro Network Pertaining to Passenger Flow</a>	Planning
C Li, M Liu, R Chang, X Wang, W Liu, H Zhang	<a href="#">Air pressure and comfort study of the high-speed train passing through the subway station</a>	Planning
C Plano, R Behrens	<a href="#">Integrating para- and scheduled transit: Minibus paratransit operators' perspective on reform in Cape Town*</a>	Planning
Y Wang, M Cao, Y Liu, R Ye, X Gao, L Ma	<a href="#">Public transport equity in Shenyang: Using structural equation modelling*</a>	Planning
J Bocarejo, L Urrego	<a href="#">The impacts of formalization and integration of public transport in social equity: The case of Bogota*</a>	Planning
J Arias, C Bachmann	<a href="#">Quantifying the relative importance of rapid transit implementation barriers: Evidence from Ecuador</a>	Planning
B Cui, J DeWeese, H Wu, D King, D Levinson, A El-Geneidy	<a href="#">All ridership is local: Accessibility, competition, and stop-level determinants of daily bus boardings in Portland, Oregon*</a>	Planning
C Cummings, H Mahmassani	<a href="#">Does intercity rail station placement matter? Expansion of the node-place model to identify station location impacts on Amtrak ridership</a>	Planning
A Silla	<a href="#">Identifying measures with the highest potential to reduce suicides on Finnish railways*</a>	Planning

J Onninen, M Pykkönen, T Hakola, S Puttonen, J Virkkala, A Tolvanen, M Sallinen	<a href="#">The self-reported stress and stressors in tram and long-haul truck drivers*</a>	Planning
Q Tian, Y Lin, D Wang, Y Liu	<a href="#">Planning for modular-vehicle transit service system: Model formulation and solution methods</a>	Planning
Q Luo, M Gee, B Piccoli, D Work, S Samaranayake	<a href="#">Managing public transit during a pandemic: The trade-off between safety and mobility*</a>	Planning
A Petit, Y Ouyang	<a href="#">Design of heterogeneous flexible-route public transportation networks under low demand</a>	Planning
L Ricard, G Desaulniers, A Lodi, L Rousseau	<a href="#">Predicting the probability distribution of bus travel time to measure the reliability of public transport services</a>	Planning
R Auaud-Perez, P Van Hentenryck	<a href="#">Ridesharing and fleet sizing for On-Demand Multimodal Transit Systems</a>	Planning
C Daganzo	<a href="#">An operating system for extra long urban trains</a>	Planning
Q Zhang, R Lusby, P Shang, X Zhu	<a href="#">A heuristic approach to integrate train timetabling, platforming, and railway network maintenance scheduling decisions*</a>	Planning
A Sukhov, L Olsson, M Friman	<a href="#">Necessary and sufficient conditions for attractive public Transport: Combined use of PLS-SEM and NCA*</a>	Planning
A Fessler, M Thorhauge, S Mabit, S Haustein	<a href="#">A public transport-based crowdshipping concept as a sustainable last-mile solution: Assessing user preferences with a stated choice experiment*</a>	Planning
B Ariel, M Newton, L McEwan, G Ashbridge, C Weinborn, H Brants	<a href="#">Reducing Assaults Against Staff Using Body-Worn Cameras (BWCs) in Railway Stations*</a>	Planning
Q Li, R Liu, J Zhao, H Liu	<a href="#">Passenger satisfaction evaluation of public transport using alternative queuing method under hesitant linguistic environment</a>	Planning
P Taleongpong, S Hu, Z Jiang, C Wu, S Popo-Ola, K Han	<a href="#">Machine learning techniques to predict reactionary delays and other associated key performance indicators on British railway network</a>	Planning
Y Liu, X Feng, Y Yang, Z Ruan, L Zhang, K Li	<a href="#">Solving urban electric transit network problem by integrating Pareto artificial fish swarm algorithm and genetic algorithm</a>	Planning
Z Sun, A Allan, X Zou, D Scafton	<a href="#">Scientometric Analysis and Mapping of Transit-Oriented Development Studies</a>	Land use
M Abdi, P Lamíquiz-Daudén	<a href="#">Transit-oriented development in developing countries: A qualitative meta-synthesis of its policy, planning and implementation challenges</a>	Land use
J Bolleter, Z Myers, P Hooper	<a href="#">Overcoming the barriers to Transit-Oriented Development</a>	Land use
A Kroen, R Goodman, E Taylor	<a href="#">Precinct planning for active and public transport in growth suburbs</a>	Land use
K Ruming, S Fingland	<a href="#">Delivering Transit-Oriented Development in lower order centres: the case of Epping town centre, Sydney</a>	Land use
B Cui, G Boisjoly, B Serra, A El-Geneidy	<a href="#">Modal equity of accessibility to healthcare in Recife, Brazil</a>	Land use
J Manrique, R Cordera, E Moreno, B Oreña	<a href="#">Equity analysis in access to Public Transport through a Land Use Transport Interaction Model. Application to Bucaramanga Metropolitan Area-Colombia*</a>	Land use
C Liao, B Scheuer	<a href="#">Evaluating the performance of transit-oriented development in Beijing metro station areas: Integrating morphology and demand into the node-place model</a>	Land use
K Kwon, G Akar	<a href="#">People with disabilities and use of public transit: The role of neighborhood walkability</a>	Land use
B Acton, H Le, H Miller	<a href="#">Impacts of bus rapid transit (BRT) on residential property values: A comparative analysis of 11 US BRT systems</a>	Land use
M Champagne, J Dubé, P Barla	<a href="#">Build it and they will come: How does a new public transit station influence building construction?</a>	Land use
M Singer, A Cohen-Zada, K Martens	<a href="#">Core versus periphery: Examining the spatial patterns of insufficient accessibility in U.S. metropolitan areas</a>	Land use
S Su, C Zhao, H Zhou, B Li, M Kang	<a href="#">Unraveling the relative contribution of TOD structural factors to metro ridership: A novel localized modeling approach with implications on spatial planning</a>	Land use
Z Yu, X Zhu, X Liu	<a href="#">Characterizing metro stations via urban function: Thematic evidence from transit-oriented development (TOD) in Hong Kong</a>	Land use
R Pueboobpaphan, S Pueboobpaphan, S Sukhotra	<a href="#">Acceptable walking distance to transit stations in Bangkok, Thailand: Application of a stated preference technique</a>	Land use

S Lee, K Jang, N Kang, J Kim, M Oh, Y Kim	<a href="#">Redesigning urban elements and structures considering autonomous vehicles: Preparing design strategies for wide implementation in cities</a>	Land use
K Mouratidis, S Peters	<a href="#">COVID-19 impact on teleactivities: Role of built environment and implications for mobility*</a>	Land use
A Gupta, G Bivina, M Parida	<a href="#">Does neighborhood design matter for walk access to metro stations? An integrated SEM-Hybrid discrete mode choice approach</a>	Land use
H Chang, J Huang, W Yao, W Zhao, L Li	<a href="#">How do new transit stations affect people's sentiment and activity? A case study based on social media data in Hong Kong*</a>	Land use
B Mo, H Koutsopoulos, J Zhao	<a href="#">Inferring passenger responses to urban rail disruptions using smart card data: A probabilistic framework</a>	Ridership
J Peña, L Guzman, J Arellana	<a href="#">Which dots to connect? Employment centers and commuting inequalities in Bogotá</a>	Ridership
E Guerra	<a href="#">What the heck is a choice rider? A theoretical framework and empirical model</a>	Ridership
M Friedrich, M Schmaus, J Sauer, T Zündorf	<a href="#">Departure Time Choice in Schedule-Based Transit Assignment</a>	Ridership
S Obregón-Biosca	<a href="#">Choice of transport in urban and periurban zones in metropolitan area</a>	Ridership
D Nguyen-Phuoc, T Nguyen, D Su, P Le, O Oviedo-Trepalacios	<a href="#">How do social cues from other passengers affect word-of-mouth and intention to continue using bus services? A second-order SEM approach</a>	Ridership
E Molin, M Kroesen	<a href="#">Train travel in corona time: Safety perceptions of and support for policy measures*</a>	Ridership
Y Lu, C Prato, N Sipe, A Kimpton, J Corcoran	<a href="#">The role of household modality style in first and last mile travel mode choice</a>	Ridership
J Shin, N Tilahun	<a href="#">The role of residential choice on the travel behavior of young adults</a>	Ridership
M Wardman	<a href="#">Meta-analysis of price elasticities of travel demand in great britain: Update and extension</a>	Ridership
S Li, W Zhai, J Jiao, C Wang	<a href="#">Who loses and who wins in the ride-hailing era? A case study of Austin, Texas</a>	Ridership
B Thodi, B Chilukuri, L Vanajakshi	<a href="#">An analytical approach to real-time bus signal priority system for isolated intersections</a>	Infrastructure
C Tang, X Li, A Ceder, X Wang	<a href="#">Public Transport Fleet Replacement Optimization Using Multi-Type Battery-Powered Electric Buses</a>	Infrastructure
Q Tian, H Wang	<a href="#">Optimization of preventive maintenance schedule of subway train components based on a game model from the perspective of failure risk</a>	Infrastructure
B Chen, R Bian, Z Chen, X Wang, Q Yang	<a href="#">Peak wind pressures on roof claddings of regular railway stations</a>	Infrastructure
Z Tao, J Moore, M Sanayei, Y Wang, C Zou	<a href="#">Train-induced floor vibration and structure-borne noise predictions in a low-rise over-track building</a>	Infrastructure
G Jing, X Qin, H Wang, C Deng	<a href="#">Developments, challenges, and perspectives of railway inspection robots</a>	Infrastructure
T Xu, S Barman, M Levin, R Chen, T Li	<a href="#">Integrating public transit signal priority into max-pressure signal control: Methodology and simulation study on a downtown network</a>	Infrastructure
A Altay, M Baykal-Gürsoy	<a href="#">Imperfect rail-track inspection scheduling with zero-inflated miss rates</a>	Infrastructure
M Estrada, J Mensión, M Salicrú, H Badia	<a href="#">Charging operations in battery electric bus systems considering fleet size variability along the service</a>	Infrastructure
Y Zhou, Q Meng, G Ong	<a href="#">Electric Bus Charging Scheduling for a Single Public Transport Route Considering Nonlinear Charging Profile and Battery Degradation Effect</a>	Infrastructure
J Teng, H Wang, C Zhang, S Liu	<a href="#">Evaluation of Operating Schemes on Municipal Rail Transit with Express/Local Mode</a>	Operations
S Feng, P Duan, J Ke, H Yang	<a href="#">Coordinating ride-sourcing and public transport services with a reinforcement learning approach</a>	Operations
X Luan, F Corman	<a href="#">Passenger-oriented traffic control for rail networks: An optimization model considering crowding effects on passenger choices and train operations*</a>	Operations
Y Huang, H Zong	<a href="#">The intercity railway connections in China: A comparative analysis of high-speed train and conventional train services</a>	Operations
A Tirachini, J Godachevich, O Cats, J Muñoz, J Soza-Parra	<a href="#">Headway variability in public transport: a review of metrics, determinants, effects for quality of service and control strategies</a>	Operations
S Yoo, H Kim, W Kim, N Kim, J Lee	<a href="#">Controlling passenger flow to mitigate the effects of platform overcrowding on train dwell time</a>	Operations

D Oviedo, Y Scorcia, P Guerrero, M Delandsheer, R Rodriguez-Molina, R Dewez	<a href="#">A snapshot of the informal organization of public transport operators in the Caribbean: Tap-Tap services in Port-Au-Prince*</a>	Organisation
X Villa i Aguilar, T Rye, J Cowie, C McTigue	<a href="#">Bus franchising in English and Scottish regions – Viable solution or unfeasible instrument?</a>	Organisation
B Ristić, N Stojadinović, D Trifunović	<a href="#">Conditions for effective on-track competition in the European passenger railway market: A yardstick for regulations</a>	Organisation
J Flynn, V Perk, A Sipiara	<a href="#">Evaluation of the Federal Transit Administration’s Transit and Health Access Initiative: Case Highlights, Findings, and Recommendations</a>	Policy
D Herszenhut, R Pereira, L Portugal, M Oliveira	<a href="#">The impact of transit monetary costs on transport inequality</a>	Policy
T Silveira, C Romano, T Gadda	<a href="#">Loyalty and public transit: a quantitative systematic review of the literature</a>	Literature review
S Banik, L Vanajakshi, D Bullock	<a href="#">Mapping of bus travel time to traffic stream travel time using econometric modeling</a>	Technology

Note: Articles with an asterisk \* are from Journals that **do not** require a subscription to view the full article