World Transit Research Newsletter

2015

World Transit Research May 2015 Newsletter

Institute of Transport Studies Monash University

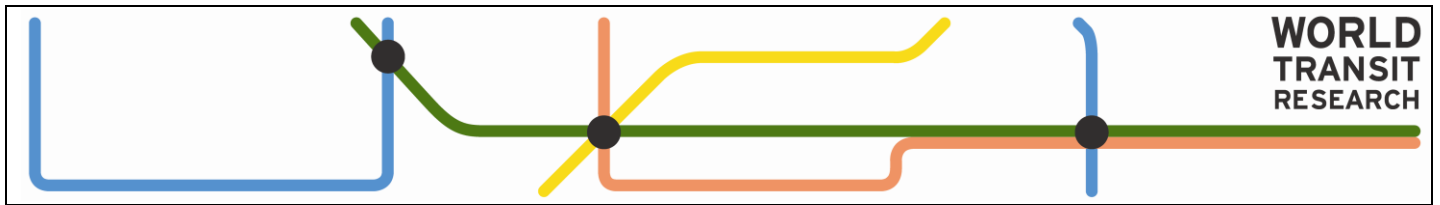Follow this and additional works at: http://www.worldtransitresearch.info/newsletter

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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 5,526 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.

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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:
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AUTHOR	TITLE	DATE
I Wallis, A Lawrence, S Donovan, L Nout, K McLean	Benefits and delivery risks for bus infrastructure schemes	2014
M Wardman, P Murphy	Passengers' valuations of train seating layout, position and occupancy*	2015
R Wang, Y Wu, W Ke, S Zhang, B Zhou, J Hao	Can propulsion and fuel diversity for the bus fleet achieve the win–win strategy of energy conservation and environmental protection?*	2015
J Zhou, Y Long	Jobs-Housing Balance of Bus Commuters in Beijing Exploration with Large-Scale Synthesized Smart Card Data*	2014
S Ilgin Guler, M Menendez	Evaluation of Presignals at Oversaturated Signalized Intersections*	2014
J Hu, B Park, A E Parkany	Transit Signal Priority with Connected Vehicle Technology*	2014
P Lin, N Zhang, J Xu, Y Wang	Combinatorial Optimization for the Guangzhou, China, Bus Rapid Transit System: Multiple Bus Substops and Docking Bays*	2014
C Stewart, A El-Geneidy	All Aboard at All Doors: Route Selection and Running-Time Savings Estimation for Multiscenario All-Door Bus Boarding*	2014
Y Hadas, A Ceder	Optimal Connected Urban Bus Network of Priority Lanes*	2014
J Safran, E Beaton, R Thompson	Factors Contributing to Bus Lane Obstruction and Usage in New York City: Does Design Matter?*	2014
E Conles, M Novales, A Orro, J Anta	Buses with High Level of Service in Nantes, France: Characteristics and Results of the BusWay Compared with Light Rail Transit*	2014
S Rashidi, P Ranjitkar, Y Hadas	Modeling Bus Dwell Time with Decision Tree-Based Methods*	2014
A Rodriguez, A Danaher	Operational Comparison of Transit Signal Priority Strategies*	2014
C Viggiano, H Koutsopoulos, J Attanucci	User Behavior in Multiroute Bus Corridors: Analysis by a Web-Based Survey*	2014
T Wickland, E Sall	Quantifying the Effects of Modal Conflicts on Transit Reliability*	2014
T Hernandez	Flex Scheduling for Bus Arrival Time Prediction*	2014
B Yu, L Kong, Y Sun, B Yao, Z Gao	A bi-level programming for bus lane network design*	2015
J Taplin, M Taylor, S Biermann, D Olaru	Transport Modelling Review: Independent Review	2014
O J Ibarra-Rojas, F Delgado, R Giesen, J C Muñoz	Planning, operation, and control of bus transport systems: A literature review*	2015
H Niu, X Zhou, R Gao	Train scheduling for minimizing passenger waiting time with time-dependent demand and skip-stop patterns: Nonlinear integer programming models with linear constraints*	2015
L Mallia, L Lazuras, C Violani, F Lucidi	Crash risk and aberrant driving behaviors among bus drivers: The role of personality and attitudes towards traffic safety*	2015
H Cancela, A Mauttone, M E Urquhart	Mathematical programming formulations for transit network design*	2015
B Barabino, M Di Francesco, S Mozzoni	Rethinking bus punctuality by integrating Automatic Vehicle Location data and passenger patterns*	2015
Y Y Ulusoy, S I Chien	Optimal bus service patterns and frequencies considering transfer demand elasticity with genetic algorithm*	2015
N A Kallioras, K Kepaptsoglou, N D Lagaros	Transit stop inspection and maintenance scheduling: A GPU accelerated metaheuristics approach*	2015
L M Kieu, A Bhaskar, E Chung	A modified Density-Based Scanning Algorithm with Noise for spatial travel pattern analysis from Smart Card AFC data*	2015
A Carrel, P S C Lau, R G Mishalani, R Sengupta, J L Walker	Quantifying transit travel experiences from the users' perspective with high-resolution smartphone and vehicle location data: Methodologies, validation, and example analyses*	2015
L M Kieu, A Bhaskar, E Chung	Empirical modelling of the relationship between bus and car speeds on signalised urban networks*	2015
D K Boyle	Better On-Street Bus Stops: A Synthesis of Transit Practice	2015
Transportation Learning CenterEducational Data Systems, Inc	A National Training and Certification Program for Transit Vehicle Maintenance Instructors	2015
F Gallivan, E Rose, R Ewing, S Hamidi, T Brown	Quantifying Transit's Impact on GHG Emissions and Energy Use—The Land Use Component	2015
K Fitzpatrick, J Warner, M A Brewer, B L Bentzen, J M Barlow, B Sperry	Guidebook on Pedestrian Crossings of Public Transit Rail Services	2015

T Bhattacharya, J Brown, M Jaroszynski, T Batuhan	The Effects of Perception vs. "Reality" on Travel Behavior after a Major Transit Service Change: The Case of Tallahassee, Florida	2014
W Brazil, B Caulfield	Testing Individuals' Ability to Compare Emissions from Public Transport and Driving Trips	2014
Z K Gurmu, W Fan	Artificial Neural Network Travel Time Prediction Model for Buses Using Only GPS Data	2014
A Hamre, R Buehler	Commuter Mode Choice and Free Car Parking, Public Transportation Benefits, Showers/Lockers, and Bike Parking at Work: Evidence from the Washington, DC Region	2014
C Higgins, M Ferguson, P Kanaroglou	Light Rail and Land Use Change: Rail Transit's Role in Reshaping and Revitalizing Cities	2014
Y Huo, J Zhao, W Li, X Hu	Measuring Bus Service Reliability: An Example of Bus Rapid Transit in Changzhou	2014
Y Lee, S Shariat, K Choi	Optimizing Skip-Stop Rail Transit Stopping Strategy using a Genetic Algorithm	2014
G L Newmark	Reduced Fare Programs for Older Adults and Persons with Disabilities: A Peer Review of Policies	2014
J K Anderson, J Ellis	Integrating Livability Principles into Transit Planning: Screening Chicago Bus Rapid Transit Opportunities	2014
S Concas, J S DeSalvo	The Effect of Density and Trip-Chaining on the Interaction between Urban Form and Transit Demand	2014
S Gota, P Bosu, S K Anthapur	Improving Fuel Efficiency and Reducing Carbon Emissions from Buses in India	2014
G V Jain, S S Jain, M Parida	Critical Appraisal of Web-Based Passenger Information Systems	2014
D Le-Klähn, C M Hall, R Gerike	Analysis of Visitor Satisfaction with Public Transport in Munich	2014
M Litschi, P J Haas	Evaluating the Effectiveness of Onboard Video Feedback Systems on Reducing Transit Collisions and Injuries	2014
G L Newmark	HOT for Transit? Transit's Experience of High-Occupancy Toll Lanes	2014
X Zhang, G Chang	A Transit-Based Evacuation Model for Metropolitan Areas	2014
S J Barbeau, A Borning, K Watkins	OneBusAway Multi-Region – Rapidly Expanding Mobile Transit Apps to New Cities	2014
M D Benson, R B Noland	Friday Exception Scheduling in Transit Systems: An Exploratory Analysis When Data Are Limited	2014
J M Casello, G McD Lewis, K Yeung, D Santiago-Rodríguez	A Transit Technology Selection Model	2014
S Chowdhury, A Ceder, B Velty	Measuring Public-Transport Network Connectivity Using Google Transit with Comparison across Cities	2014
R Ewing, G Tian, A Spain, J P Goates	Effects of Light-Rail Transit on Traffic in a Travel Corridor	2014
T Litman	A New Transit Safety Narrative	2014
G L Newmark	Conducting Visitor Travel Surveys: A Transit Agency Perspective	2014
N Suksawang, P Alluri, A Gan, K Meneses, F Cevallos, K Haleem, D Saha	Use of Movable Bus Stop Loading Pads: Feasibility and Design Alternatives	2014
O S Vaidya	Evaluating the Performance of Public Urban Transportation Systems in India	2014
N Marković, S Milinković, K S Tikhonov, P Schonfeld	Analyzing passenger train arrival delays with support vector regression*	2015
M J M Sullman, L Dorn, P Niemi,	Eco-driving training of professional bus drivers – Does it work?*	2015
S Chakrabarti, G Giuliano	Does service reliability determine transit patronage? Insights from the Los Angeles Metro bus system*	2015
F A Ortega Riejos, E Barrena, D Canca Ortiz, G Laporte	Analyzing the theoretical capacity of railway networks with a radial-backbone topology*	2015
F Papon, D Nguyen-Luong, E Boucq	Should any new light rail line provide real estate gains, or not? The case of the T3 line in Paris*	2015
D S Vale	Transit-oriented development, integration of land use and transport, and pedestrian accessibility: Combining node-place model with pedestrian shed ratio to evaluate and classify station areas in Lisbon*	2015
M V Corazza, U Guida, A Musso, M Tozzi	A European vision for more environmentally friendly buses*	2015
D Bouf, B F d'Arcier	The looming crisis in French public transit*	2015

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