

Publications

I published peer-reviewed and conference papers in journals with no previous record on multidisciplinary research:

1. Karekla, X (In review). Modal shift strategies to reduce transport emissions in urban centres. Has been submitted to the Elsevier Journal of Transportation Research Part D Transport and Environment and have received comments from the editor.
2. Karekla, X; Fang, C. (2021). Upper body balancing mechanisms and their contribution to increasing bus passenger safety, *Safety Science*, 133, Article No. 105014.
3. Karekla, X; Giotsalitis, K. and Tyler, N (2020). The impact of a passenger-safety-driven acceleration limit on the operation of a bus service, *Accident Analysis and Prevention*, 148, Article No. 105790.
4. Karekla, X (2020). Passenger Safety: The impact of smoother bus acceleration on passenger experience aboard London buses, *European Transport Conference*.
5. Karekla, X and Gkiotsalitis K. (2020). Operational characteristics of a bus service and their modification due to a safety-driven acceleration limit, *Transportation Research Board*, Washington DC, USA.
6. Karekla, X. and Tyler N. (2019). Reducing non-collision injuries aboard buses: passenger double support time whilst climbing stairs, *Safety Science*, 112, 152-161.
7. Karekla, X. and Tyler N. (2018). Maintaining balance on a moving bus: the importance of three-peak steps whilst walking on the lower deck, *Transportation Part A: Policy and Practice*, 116, 484-496.
8. Karekla, X. and Tyler N. (2018). Maintaining balance on a moving bus: the importance of three-peak steps whilst climbing stairs, *Transportation Part A: Policy and Practice*, 116, 339-349.
9. Karekla, X. and Tyler N. (2018). Reducing non-collision injuries aboard buses: passenger double support time whilst walking on the lower deck, *Safety Science*, 105, 128-133.
10. Karekla, X, Fernandez, R. and Tyler, N. (2018), Environmental effect of bus priority measures applied on a road network in Santiago, Chile, *Transportation Research Record*.
11. Karekla, X and Fernandez, R. (2018). Environmental effect of bus priority measures applied on a road network in Santiago, Chile, *Transportation Research Board*, Washington DC, USA.
12. Karekla, X and Fernandez, R. (2017). Reducing energy consumption and carbon emissions in a bus route: a case study in the Latin American context, *European Transport Conference*, Barcelona, Spain.
13. Karekla, X. (2016). Active public transport modes and their effect on societal growth, *ETEK* (204).
14. ARUP, BRE, UCL, AREA Research (2016). Health + Mobility: a design protocol for mobilising healthy living (<https://www.arup.com/perspectives/publications/research/section/health-and-mobility?query=health%20+%20mo>)
15. Karekla, X. and Tyler, N. (2015). Gait and balance of moving bus passengers, 14th TRANSED conference, Lisbon, Portugal.
16. Karekla, X. and Tyler N. (2014). The need for an invisible wearable walking support: it's what the users want!, *ARG note*, Vol. 1 (7), ISSN: 2054-4561.
17. Karekla, X. and Tyler N. (2012). Reduced dwell times resulting from train–platform improvements: the costs and benefits of improving passenger accessibility to metro train, *Transportation Planning and Technology*, 35 (5), 525-543.
18. Karekla, X. and Tyler, N. (2012). Sustainable bus design focused on improved accessibility, 13th TRANSED conference, New Delhi, India
19. Karekla, X., Fujiyama, T. and Tyler, N. (2011). Evaluating accessibility enhancements to public transport including indirect as well as direct benefits, *Research in Transportation Business & Management*, 2, 92-100.
20. Yannis, G., Papadimitriou, E., Karekla, X. and Kontodima, E. (2010). Mobile phone use by young drivers: effects on traffic speed and headways, *Transportation Planning and Technology*, 33 (4), 385- 394.