Enhancing Urban Mobility: Integrating Ride-Sharing and Public Transit

Last Modified on 28/02/2019 11:14 am CET

Authors: Mitja Stiglic, Niels Agatz, Martin Savelsbergh,
Date published: July 2016
Research commissioned by: Rotterdam School of Management, University of Ljubljana, and Georgia Institute of Technology

Why did we select this research?

Potential benefits of ride-sharing and ride-matching technology.

Key findings:

- Integrating ride-sharing system and public transit system have the potential to significantly enhance mobility, increase the use of public transport. Consequently, reduction of the negative externalities associated with car travel.
- Driver willingness to pick up and drop off more than one rider is a critical issue when it comes to the system performance. Need for further options so to facilitate (or even stimulate) the driver to pick up more than one passenger.

References

Stiglic, M., Agatz, N., Savelsbergh, M., & Gradisar, M. (2018). Enhancing urban mobility: Integrating ride-sharing and public transit. *Computers & Operations Research*, *90*, 12-21. https://www.sciencedirect.com/science/article/pii/S0305054817302228.