Autonomous Shared Mobility-On-Demand: Melbourne Pilot Simulation Study

Last Modified on 01/03/2019 9:48 am CET

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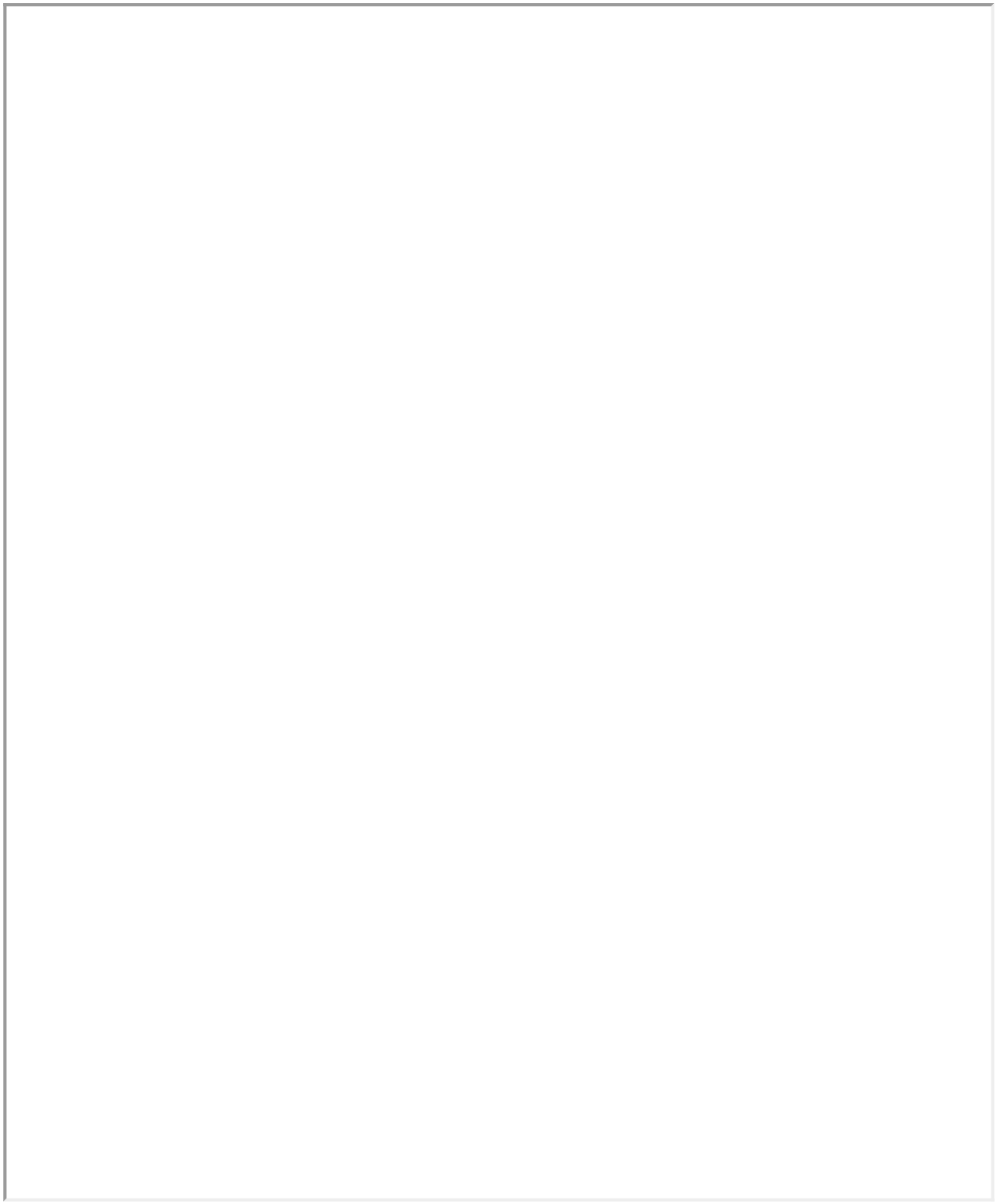
Date published: May 2017
Research commissioned by: Swinburne University of Technology

Why did we select this research?

Feasibility of using agent-based simulation tools to model the impacts of shared autonomous vehicles.

Key findings:

- Incorporating shared autonomous cars can significantly reduce the total number of vehicles required to meet the transport needs of a community.
- Decreased the parking requirements which would free up this space for other purposes.
- Likely to be some negative impacts such as increased total km of travel, but these were less significant and can potentially be mitigated if all future self-driving vehicles are electric.



Reference

Dia, H., & Javanshour, F. (2017). Autonomous Shared Mobility-On-Demand: Melbourne Pilot Simulation Study. *Transportation research procedia*, *22*, 285-296. Retrieved from:

https://www.sciencedirect.com/science/article/pii/S2352146517301709.