Xiaoyi He

Position: Research Fellow

Research Interests: Sustainable Transportation; Life Cycle Assessment

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About:

Xiaoyi He is a Postdoctoral Research Fellow at the School for Environment and Sustainability at the University of Michigan, Ann Arbor. Her research focuses on analyzing environmental and economic impacts of vehicle/fuel technologies in pursuit of a sustainable transportation future.

Publications:

**X He**, H C Kim, T J Wallington, S Zhang, W Shen, R De Kleine, G A Keoleian, R Ma, Y Zheng, B Zhou, Y Wu. [Cradle-to-gate greenhouse gas (GHG) burdens for aluminum and steel production and cradle-to-grave GHG benefits of vehicle lightweighting in China](https://www.sciencedirect.com/science/article/pii/S0921344919304033). *Resources, conservation and recycling*. **2020** 1(152), 104497

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W Tu, P Santi, **X He**, T Zhao, X Liu, Q Li, T J Wallington, G A Keoleian, C Ratti. Understanding ridesourcing mobility and the future of electrification: a comparative study in Beijing. *Journal of Urban Technology*. **2019.** DOI: 10.1080/10630732.2020.1761755

R Ma#, **X He**#, Y Zheng, B Zhou, S Lu, Y Wu\*. Real-world driving cycles and energy consumption informed by large-sized vehicle trajectory data. *Journal of Cleaner Production*. **2019**, 223, 564-574.

N J Kemp, G A Keoleian\*, **X He**, A Kasliwal. Life cycle greenhouse gas impacts of a connected and automated SUV and van. Transportation Research Part D: Transport and Environment. 2020, 83, 102375.

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Education:

Ph.D. Environmental Engineering, Tsinghua University, 2018

B.E. Environmental Engineering, Tsinghua University, 2013