


## Research Student Information

<b>Name</b>	Lun Liu	
<b>PhD Title</b>	Modeling Energy Consumption of Nonwork Travel in Beijing with Cellular Automata and Agent-Based Model	
<b>Project information</b>	As a fast-urbanizing city in a developing country, Beijing has undergone a constant increase in car-ownership and traffic flow in the past decade. My research aims to reduce transport energy consumption and mitigate climate change by studying the impact of built environment on travel behaviour with statistical regression, cellular automata (CA), agent-based modelling (ABM) and big data mining. The research centres on nonwork travel, which accounts for 60% of all person trips in Beijing and 75% in developed countries.	
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<b>Education</b>	I hold a M. E. in Rural and Urban Planning (2010-2013, Tsinghua University, China), a Bachelor of Economics (2010-2013, minor degree, Peking University, China), and a B. Arch. (2006-2011, Tsinghua University, China).	