

BINGKUN CHEN

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23 College Walk, Clayton, Victoria, 3800, Australia

EDUCATION	Monash University <i>Ph.D. in Transportation Engineering</i>	Melbourne, Australia 2021 - 2025 (<i>expected</i>)
	University of Melbourne <i>M.S. in Information Technology (Graduate with Distinction)</i>	Melbourne, Australia 2019 - 2020
	Central South University <i>B.S. in Traffic Equipment and Control Engineering</i>	Changsha, China 2014 - 2018

RELEVANT EXPERIENCE	Graduate Research Assistant Monash University • Department of Civil and Environmental Engineering • Research on the design and optimization of integrated EV charging systems in urban areas	2021.10 - Present
	Graduate Teaching Assistant Monash University • Department of Civil and Environmental Engineering • CIV5302 - Traffic Engineering and Management • ENG5005 - Research Methods • ENG5006 - Research Practice	2022.03 - 2024.8

PUBLICATIONS	1. Bingkun Chen , Zhuo Chen, Xiaoyue Cathy Liu, Nan Zheng, Qijie Xiao. Measuring the effectiveness of incorporating mobile charging services into urban electric vehicle charging network: An agent-based approach. <i>Renewable Energy</i> , 2024.	
	2. Bingkun Chen , Zhuo Chen, Xiaoyue Cathy Liu, Zhiyan Yi. Bayesian inference-based spatiotemporal modeling with interim activities for EV charging etiquette. <i>Transportation Research Part D: Transport and Environment</i> , 2024.	
	3. Yirong Zhou, Xiaoyue Cathy Liu, Bingkun Chen , Tony Grubestic, Ran Wei, Danielle Wallace. A data-driven framework for agent-based modeling of vehicular travel using publicly available data. <i>Computers, Environment and Urban Systems</i> , 2024.	
	4. Wenyan Hu, Mengya Li, Mei-Po Kwan, Haifeng Luo, Bingkun Chen . Real-time taxi spatial anomaly detection based on vehicle trajectory prediction. <i>Travel Behaviour and Society</i> , 2024.	
	5. Zhiyan Yi, Bingkun Chen , Xiaoyue Cathy Liu, Ran Wei, Jianli Chen, Zhuo Chen. An agent-based modeling approach for public charging demand estimation and charging station location optimization at urban scale. <i>Computers, Environment and Urban Systems</i> , 2023.	
	6. Wenyan Hu, Bingkun Chen , Stephan Winter, Kourosh Khoshelham. Decentralized management of ephemeral traffic incidents. <i>Transactions in GIS</i> , 2022.	

PRESENTATIONS	102-104th Annual Meeting of the Transportation Research Board (TRB)	
	4 Poster Presentations, Washington D.C., USA	January, 2023 & 2024 & 2025

SKILLS	Software: JAVA Python R ArcGIS MATSim.
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ACADEMIC SERVICES	Reviewers for: <i>Renewable Energy</i> , <i>Journal of Transport Geography</i> .
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