

CURRICULUM VITAE

Tianxin Li

Education

University of Texas at Austin, USA	Civil Engineering	PhD	08/2023
University of Texas at Austin, USA	Civil Engineering	MSE	12/2017
Southwest Jiaotong University, China	Geosciences and Environmental Engineering	BE	06/2009

Professional Experience

University of Connecticut	Assistant Research Professor	09/2023 – Present
DataChat Inc.	Software Engineer 2	08/2022 – 08/2023
University of Texas at Austin	Graduate Research Assistant	08/2020 – 07/2022
National Renewable Energy Laboratory	Traffic Signal Controller Simulation Programming Researcher (Graduate III-Computer Science P/A)	06/2020 – 08/2020
University of Texas at Austin	Graduate Research Assistant	01/2016 – 05/2020

Book Chapters

- **Li, Tianxin** and Kockelman, Kara. "Valuing the Safety Benefits of Connected and Automated Vehicle Technologies." Chapter 4 in *Smart Transport for Cities & Nations: The Rise of Self-Driving & Connected Vehicles*, K. Kockelman & S. Boyles (eds), Create Space, 2018.

Refereed Journal Publications

- Levin, Michael, Kockelman, Kara, Boyles, Stephen, and **Li, Tianxin**. "A General Framework for Modeling Shared Autonomous Vehicles." *Computers, Environment and Urban Systems*, 64: 373-383 July 2017
- Zhao, Wei, William Yamada, **Tianxin Li**, Matthew Digman, and Troy Runge. "Augmenting crop detection for precision agriculture with deep visual transfer learning—a case study of bale detection." *Remote Sensing* 13, no. 1 (2020): 23.
- Zhao, Wei, **Tianxin Li**, Bozhao Qi, Qifan Nie, and Troy Runge. "Terrain Analytics for Precision Agriculture with Automated Vehicle Sensors and Data Fusion." *Sustainability* 13, no. 5 (2021): 2905.

Refereed Conference Proceedings

- **Li, Tianxin**, and Kara M. Kockelman. "Valuing the safety benefits of connected and automated vehicle technologies." In *Transportation Research Board 95th Annual Meeting*, vol. 1. 2016.
- **Li, Tianxin**, Carolina Baumanis, and Randy Machemehl. "Dynamic Traffic Assignment Simulation-Based Method to Evaluate Potential Policies to Alleviate Urban Traffic." In *International Conference on Transportation and Development 2021*, pp. 62-72. 2021.

- **Li, Tianxin**, Natalia Ruiz Juri, Jun Liu, Heidi W. Ross, Randy B. Machemehl, John Nevares, and Adam Kaliszewski. "A Dynamic Traffic Assignment Approach to Evaluating Incident-Induced User Delay Costs with Integrated Corridor Management: A Case Study in Austin, Texas." In *International Conference on Transportation and Development 2021*, pp. 168-180. 2021.

Technical Reports

- **Tianxin Li**, Randy Machemehl, and Carolina Baumanis (2020) Estimating Delay Costs from Fatal Pedestrian Crashes, University of Texas at Austin, Center for Transportation Research, January 2020.
- Kara Kockelman, Stephen Boyles, **Tianxin Li**, and others (2016) An Assessment of Autonomous Vehicles: Traffic Impacts and Infrastructure Needs—Final Report. University of Texas at Austin, Center for Transportation Research. December 2016.
- Kara Kockelman, Stephen Boyles, Paul Avery, Christian Claudel, Lisa Loftus-Otway, Daniel Fagnant, **Tianxin Li**, and others (2016) Bringing Smart Transport to Texans: Ensuring the Benefits of a Connected and Autonomous Transport System in Texas – Final Report. University of Texas at Austin, Center for Transportation Research. August 2016.
- Kara Kockelman, Paul Avery, Prateek Bansal, Stephen D. Boyles, **Tianxin Li**, and others (2016) Implications of Connected and Automated Vehicles on the Safety and Operations of Roadway Networks: A Final Report. University of Texas at Austin, Center for Transportation Research. August 2016.

Referee Service

- Journal Referee: *Journal of Intelligent Transportation Systems: Technology, Planning, and Operations*; *IEEE Open Journal of Intelligent Transportation Systems*; *Journal of Intelligent Transportation Systems*; *Journal of Transportation Engineering, Part A: Systems*; *Transportation Research Record*; *Transportation Research Part C*; *Journal of Urban Planning and Development*; *Transactions on Intelligent Transportation Systems*; *SAE International Journal of Connected and Automated Vehicles*.