Photo:

**Statement:**

Dr. Lijun Sun is an Assistant Professor with the Department of Civil Engineering, McGill University. He obtained his PhD degree in Civil Engineering (Transportation) from National University of Singapore in 2015, and received his Bachelor degree in Civil Engineering from Tsinghua University in 2011. Prior to joining McGill, he was a Postdoctoral Associate at MIT Media Lab during 2015-2017 and a Senior Researcher at Singapore-ETH Center in 2015. His research focuses on intelligent transportation systems and urban computing, developing innovative methodologies, tools and applications to address the efficiency, resilience, and sustainability issues in urban transportation systems. He is now leading the Smart Transportation Lab at McGill, and his current research program centers on (1) developing new spatiotemporal modeling techniques and solutions for large-scale, high-dimensional, incomplete, and heterogeneous mobility and traffic data, and (2) developing advanced reinforcement learning techniques to control and manage complex traffic systems. His research has been published in top-tier journals in transportation science and technology (e.g., Transportation Research Part A/B/C/E, and IEEE Transactions on Intelligent Transportation Systems), interdisciplinary journals (e.g., Proceedings of the National Academy of Sciences, Science Advances, and Journal of the Royal Society Interface), and top conference venues and journals in machine learning and artificial intelligence (e.g., AAAI Conference on Artificial Intelligence [AAAI], International Joint Conference on Artificial Intelligence [IJCAI], and IEEE Transactions on Pattern Analysis and Machine Intelligence [T-PAMI]).

He is named as Chan Wui & Yunyin Rising Star Fellow in Transportation in 2019. Dr. Sun's research has been supported by the Natural Sciences and Engineering Research Council (NSERC) of Canada, the Fonds de recherche du Québec – Nature et technologies (FRQNT), Canada Foundation for Innovation (CFI), and the Institut de Valorisation des Données (IVADO). Currently, he serves as Associate Editors for Transportation Research Part C: Emerging Technologies, Journal of Advanced Transportation, and Frontiers in Built Environment (for Transportation and Transit Systems), and he also serves as Senior Program Committee Member for the Thirty-Sixth AAAI Conference on Artificial Intelligence (AAAI-22).

**Envisioned Commitment:**

The first COTA event I attended was the ICCTP conference in Beijing in 2010, when I was a final year undergraduate student. Since then, I have constantly been benefiting from various events held by COTA, including the signature CICTP conferences, TRB winter symposiums, and online webinars. By joining the BOD, I hope I can contribute to COTA to continue offering opportunities for academic exchange and social interactions to Chinese transportation professionals.

I will serve at my best capacity to COTA members and Chinese transportation professionals. Specifically, I will:

- work closely with other BOD members and COTA chair to organize COTA events, in particular addressing the difficulties we have encountered during the global pandemic.
- enhance COTA's role in sharing career opportunities and career advice.
- take this opportunity to encourage special interest research groups (e.g., shared mobility, climate change, CAV, machine learning) and promote international collaborations.

**Endorsements:**

Dr. Xiaokun Wang, BOD member, COTA, Rensselaer Polytechnic Institute

Dr. Sean Qian, BOD member, COTA, Carnegie Mellon University

Dr. Yang Liu, BOD member, COTA, National University of Singapore