

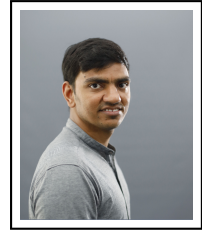
Samarth Ghoslya

6997801, Tel Aviv
Israel

+972 552673474

✉ samarthghoslya@gmail.com

in samarthghoslya



Experience

2025- PostDoc Researcher

Tel Aviv University, Israel; MaaS(Mobility-as-a-Service), demand modeling, and agent-based transport simulation

Education

2020-2025 PhD in Transportation Planning and Economics

Sapienza University of Rome, Italy/CY Cergy Paris Université, France; Joint degree

2016-2018 Masters in Transportation Engineering

National Institute of Technology, Tiruchirapalli, India

2012-2016 Bachelors in Civil Engineering

Rajasthan Technical University, Kota, India

Research Experience

2020-2025 PhD Thesis, Supervisors: André de Palma, Paolo Delle Site

System-optimal ridesharing and traffic equilibrium modeling. Developed static and dynamic frameworks for socially optimal ride-matching and pricing in congested networks. Integrated departure time choice, mode choice, route assignment, and role flexibility within a unified equilibrium framework. Applications include the Île-de-France metropolitan region. Focus on efficiency, fairness, stability, and financial sustainability of shared mobility systems.

2019-2020 Project Assistant, Indian Institute of Technology, Hyderabad, India

Subtract Uneasy and Dangerous Scene related Traffic Accident and Congestion in Asia

2018-2019 Project Assistant, Central Road Research Institute, New Delhi, India

Integrated Transportation and Land Use Activities for Mass Housing to Increase Non-Motorised Trips

2017-2018 Masters Thesis, Supervisor: Samson Mathew, NITT, India

Analyze impacts of built environment and vehicle ownership on work trips in Tiruchirappalli city using Discrete Choice Modeling

2017 Watch The Road, Indian Road Safety Campaign, IIT Delhi, India

Identification of black spots in the stretch, road inventory survey, stakeholders survey and revert with the technical solution for the potential accident spot, under the guidance of Indian Road Safety Campaign (IRSC)

Computer Skills

General Python, Numpy, Pandas
Software SimMobility, ArcGIS, Visum

Office L^AT_EX, Microsoft Office
O.S Windows, Ubuntu

Languages

English Proficient

Hindi Native Speaker
French Beginner

Publications

1. **Ghosly, S.**, Katzir, N., Shiftan, Y., and Nahmias Biran, B.-H. *Mobility-as-a-Service Adoption and System Performance: An Integrated Stated Preference and Agent-Based Simulation Framework for the Tel Aviv Metropolitan Area*. Manuscript in preparation for submission to *Transportation* (Q1 journal).
2. **Ghosly, S.**, Dadashev, G., Zukin, A., and Nahmias Biran, B.-H. *Evaluating the Performance of Tailored Automated Mobility-on-Demand Services for Underserved Populations: A Pink and Silver AMoD Framework for the Tel Aviv Metropolitan Area*. Manuscript in preparation for submission to *Transportation Research Part A: Policy and Practice* (Q1 journal).
3. **Ghosly, S.**, Javaudin, L., de Palma, A., and Delle Site, P. (2025). *Ride-Sharing, Congestion, Departure-Time and Mode Choices: A Social Optimum Perspective*. Under review at *Transportation Research Part A: Policy and Practice*. Available as SSRN Working Paper No. 5465467.
4. Tiwari, S., **Ghosly, S.**, and Parmar, J. (2025). *A Cost-Based Assignment of Demand-Responsive Transportation: A Comparative Study with Public Transportation Alternatives*. *Transportation Research Procedia*, 90, 344–351.
5. Delle Site, P., de Palma, A., and **Ghosly, S.** (2024). *Matching and Fair Pricing of Socially Optimal, Stable and Financially Sustainable Ride-Sharing in Congestible Networks*. Submitted to *Networks and Spatial Economics*.
6. Delle Site, P., de Palma, A., and **Ghosly, S.** (2021). *Social Optimality and Stability of Matchings in Peer-to-Peer Ride-Sharing*. Published as a *THEMA (THéorie Économique, Modélisation et Applications)* Working Paper.
7. Cavaleri, M., Delle Site, P., Donno, A., and **Ghosly, S.** (2023). *Critical Link Selection Criteria in Congestible Transport Networks*. Presented at the International Symposium on Transport Network Resilience (INSTR), Hong Kong, China, 13–14 December 2023.
8. **Ghosly, S.**, Advani, M., and Kumar, R. (2019). *Integrated Transportation and Land-Use Activities for Mass Housing to Increase Non-Motorized Trips: A Review*. Presented at the *World Conference on Transport Research (WCTR 2019)*, Mumbai, India, 26–31 May 2019.
9. **Ghosly, S.** and Advani, M. (2019). *Effect of Land Use and Vehicle Ownership on Modal Split for Work Trips: A Case Study of Tiruchirappalli*. Presented at the *Conference of Transportation Research Group of India (CTRG 2019)*, Bhopal, India, 18–21 December 2019.

Conference Presentations

1. The Israeli Smart Transportation Research Centre (ISTRC), 2026, Technion University, Israel
2. International Transportation Economics Association (ITEA), 2024, University of Leeds, England
3. Action Inaction Climate Change (AICC), 2024, Université de Strasbourg, Strasbourg, France
4. International Transportation Economics Association (ITEA), 2023, University of Cantabria, Santander, Spain
5. World Conference on Transport Research (WCTR), 2019, IIT Mumbai, India

6. Conference of Transportation Research Group of India (CTRG), 2019, MANIT Bhopal, India

██████ Awards and Additional Courses

- Won the third prize in the “Watch the Road’17,” annual competition by IRSC in association with TRIPP, IIT Delhi.
- Presented “Safer Highways Save Lives” at the Road Safety Workshop organized by the Indian and Tamil Nadu Governments.
- GATE 2016: Secured AIR 2340 among 0.13 million candidates (98.20 percentile).
- TOEFL iBT Score: 88

██████ Extra-Curricular Activities

- Served as Student Coordinator of NSS in RTU, Kota (2012-2015).
- Volunteered in road safety awareness campaigns and cancer awareness marathons.
- Ran in “Kauvery Marathon” to promote awareness of organ donation.
- Volleyball, Swimming, Cricket