DIVYAKANT TAHLYAN

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4202 E. Fowler Avenue, ENB 118, Tampa, FL 33620

EDUCATION

University of South Florida, Tampa *2016-present*

Degree: Masters of Science in Civil (Transportation) Engineering

Courses: Travel Demand Modeling, Statistics & Econometric Methods I & II, Discrete Choice Models for Travel Behavior, Traffic Systems Engineering, Independent Study, Graduate Transportation Seminar, Linear Programming & Network Optimization (Fall 2017), Transport Planning/Economics (Fall 2017)

Overall GPA: 4.0/4.0 (till Spring 2017)

Indian Institute of Technology (BHU), Varanasi *2011-2015*

Degree: Bachelor of Technology in Civil Engineering

Courses: Mechanics of Solids, Engineering Geology, Structural Mechanics I & II, Surveying I & II, Fluid Mechanics I & II, Transportation Engineering I & II, Structural Design I, II & III, Environmental Engineering I & II, Geotechnical Engineering I & II,Water Resources Engineering I & II, Industrial & Organizational Psychology

Overall GPA: 8.02/10 (Graduated in First Class with Honors)

PROFESSIONAL EXPERIENCE

· **University of South Florida, Tampa, FL** *2016-present*
Graduate Research Assistant

· **Indian Institute of Science, Bangalore, India** *2015-2016*
Junior Research Fellow

· **Central Road Research Institute, New Delhi, India** *2014*
Summer Research Fellow

PUBLICATIONS

Journal Publications

· Verma, A., Kumari, A.,**Tahlyan, D.**, and Hospujari, A. B., 2017. Development of hub and spoke model for improving operational efficiency of bus transit network of Bangalore city. *Case Studies on Transport Policy*, 5(1),pp.71-79.

Technical Reports

· **Tahlyan, D.**, Luong, T. D., Pinjari, A. R., Ozkul, S., 2017. Development and Analysis of Truck Route Choice Data for Tampa Bay Region using GPS Data. Report BDK25-730-3. Florida Department of Transportation.

· **Tahlyan, D.**, Pinjari, A. R., Luong, T.D., Ozkul, S., 2017. Truck Route Choice Modeling using Large Streams of GPS Data. Report CAIT-UTC-NC32. Federal Highway Administration, United States Department of Transportation.

Working Papers

· **Tahlyan, D.**, Pinjari, A. R.. Performance Evaluation of Choice Set Generation Algorithms for Modeling Truck Route Choice: Insights from Large Streams of Truck-GPS Data.

· **Tahlyan, D.**, Sheela, P. V., Maness, M., Pinjari, A. R. Improving the spatial transferability of travel demand forecasting models: An empirical assessment of impact of incorporating attitudes on model transferability.

Under Review

· Rahul, T. M., Manoj, M.,**Tahlyan, D.**, Verma A. The influence of various activities on the acceptable distance in an Indian scenario

· Verma, A., **Tahlyan, D.**, Bhusari, S. Agent based Simulation Model of Improving Passenger Service Time at Bangalore Airport

CONFERENCE PRESENTATIONS

- **Tahlyan, D.**, Pinjari, A. R., 2018. Performance Evaluation of Choice Set Generation Algorithms for Modeling Truck Route Choice: Insights from Large Streams of Truck-GPS Data. Accepted for presentation at *97th Annual Meeting of Transportation Research Board, Washington D.C.*
- Luong, T. D., **Tahlyan, D.**, Pinjari, A. R., 2018. Comprehensive Exploratory Analysis of Truck Route Choice Diversity in Florida. Accepted for presentation at *97th Annual Meeting of Transportation Research Board, Washington D.C.*
- **Tahlyan, D.**, Pinjari, A. R., 2017. Performance Evaluation of Choice Set Generation Algorithms for Modeling Truck Route Choice: Insights from Large Streams of Truck-GPS Data. Accepted for presentation at *4th Conference of Transportation Research Group, Mumbai,India.*
- **Tahlyan, D.**, Pinjari, A. R., 2017. Performance Evaluation of Choice Set Generation Algorithms for Modeling Truck Route Choice: Insights from Large Streams of Truck-GPS Data. Presented at *5th Annual UTC Conference for the Southeastern Region, Gainesville, FL.*
- Verma, A., Vinayak, P., **Tahlyan, D.**, 2015. Application of multi-server queuing network to airport operations. Presented at *Airport Development Conference (AIRDEV), Bangalore.*

RESEARCH PROJECT EXPERIENCE

- Graduate Reseach Assistant, Teaching Old Models New Tricks (TOMNET). *University of South Florida, Tampa, FL,* 2017-present. (http://www.tomnet-utc.org/)
- Graduate Reseach Assistant, Truck Route Choice Modeling using Large Streams of GPS Data. *University of South Florida, Tampa, FL,* 2016-2017. (https://cait.rutgers.edu/cait/research/truck-route-choice-modeling-using-large-streams-gps-data)
- Graduate Reseach Assistant, Development and Analysis of Truck Route Choice Data for the Tampa Bay Region using GPS Data. *University of South Florida, Tampa, FL,* 2016-2017.
- Junior Research Fellow, The Kumbh Mela Experiment: Measuring and Understanding the Dynamics of Mankind's Largest Crowd. *Indian Institute of Science, Bangalore, India* 2015-2016. (http://www.the-kumbh-mela-experiment.com/)

PROFESSIONAL ACTIVITIES

Peer Review

- Case Studies on Transport Policy
- IATSS Research
- Transportation Research Board Annual Meeting
- Conference of Transportation Research Group (CTRG) of India

Volunteer Work for Organizations/Conferences

- International Association of Travel Behaviour Research (IATBR)
- 2nd Airport Development Conference, Bangalore (November 2015)

Memberships

- Institute of Transportation Engineers - USF Student Chapter

SKILLS/HOBBIES

Software Packages	NLogit, MATLAB, Gauss, Biogeme, ArcGIS, R Studio, Excel
Programming Languages	Python, R, C
Languages Known	Hindi, English, Punjabi
Hobbies	Cooking, Biking