

Big Data Transportation Data Access & Privacy in a Multi-Modal Autonomous & Connected World

The author/speaker is the former longest serving New York City Taxi & Limousine Commissioner/Chair/CEO, and currently Transportation Technology Chair at the City University of NY's transportation center at NY City College, President of the International Association of Transportation Regulators and Partner & Chair of the Transportation Law Practice at the Windels Marx law firm.

This proposed speech will focus on public access to transportation data that is used for modelling, analytics, studies, and service delivery in a public/private context. Emerging mobility trends, which include the testing and implementation of automated and connected vehicles, advances in software and data mining for traffic and congestion mitigation, and shared mobility integration with public transit agencies and Transportation Network Companies (TNCs) all involve government access to private data. The legal and regulatory framework, which currently involves a combination of public/private partnership agreements, agency regulations and freedom of information laws, will be explained, and the impact of recent court decisions on who may gain access to transportation data once it is shared with public universities or government agencies, will be covered. Case studies will primarily focus on access to data in the United States, but will also make some global comparisons on data access and privacy, including the European Union's General Data Protection Regulations (GDPR). The purpose is to educate and make attendees aware of the laws that may help or hinder business models involving software platforms for connected vehicles and Mobility as a Service (MaaS), as well as academic research or other analytical modelling with private data sources involving government delivered or supervised services. The presentation will draw primarily from two published papers on data access and privacy authored by the speaker (a Purdue University textbook chapter and a Thomson Reuters publication), namely:

- Transportation Network Companies: Passenger Data Security and Privacy Issues. *Westlaw, Thomson Reuters Legal, Sharing Economy 300:100, Emerging Areas of Practice Series* (December, 2017)
- Ground Transportation Big Data Analytics and Third Party Validation: Solutions for a New Era of Regulation and Private Sector Innovation. *Purdue University, In: Ukkusuri S., Yang C. (eds) Transportation Analytics in the Era of Big Data. Complex Networks and Dynamic Systems, vol 4. pp 47-80. Springer, Cham* (July, 2018)
https://link.springer.com/chapter/10.1007/978-3-319-75862-6_3

The presentation will build upon these themes, give examples of various real-life scenarios and projects that are being presented at the conference and query the audience on who controls the data and who is able to get it legally. Also, this presentation will suggest and discuss with the audience various solutions to correct some of the data regulatory framework issues, including third-party validators and legislative amendments.

