

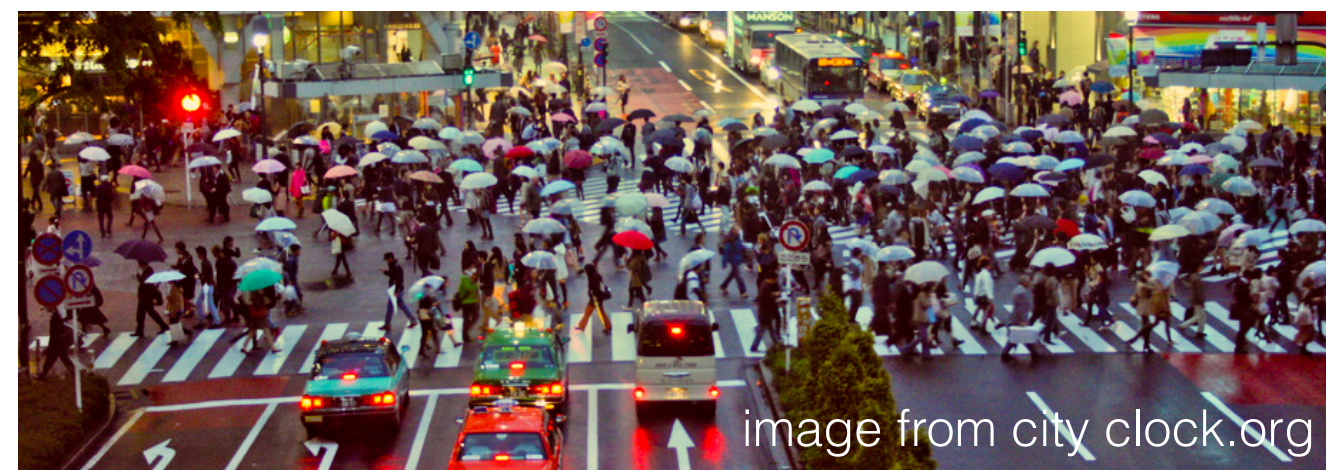
# My Research Background

- General problems that I am interested:
  - decision making under uncertainty - resilient infrastructure planning/design; traffic management/operation in stochastic a network
  - data acquisition, integration, and correction - where to collect data in a network to ensure better system identification quality; how to infer global network state based on heterogeneous data pieces

# Potential of CAVs

I am confident in technology advancement, but I am not sure...

- will CAV technology be a solution to many of the transportation-related problems that we currently face?
- maybe CAVs will serve only as one of the many modes in an urban transportation system.



# Some Worthy Research Directions

- Address data issues
- Resilient control methods that can adapt to disruptions
- Effective coordination among decentralized decision entities

These are fundamental research questions that a successful autonomous transportation system will rely on, but have much broader applications in smart and resilient infrastructure systems beyond autonomous driving.