



### Building a Smart City Economy and Information Ecosystem to Motivate Pro-Social Transportation Behavior (CNS-1739413)

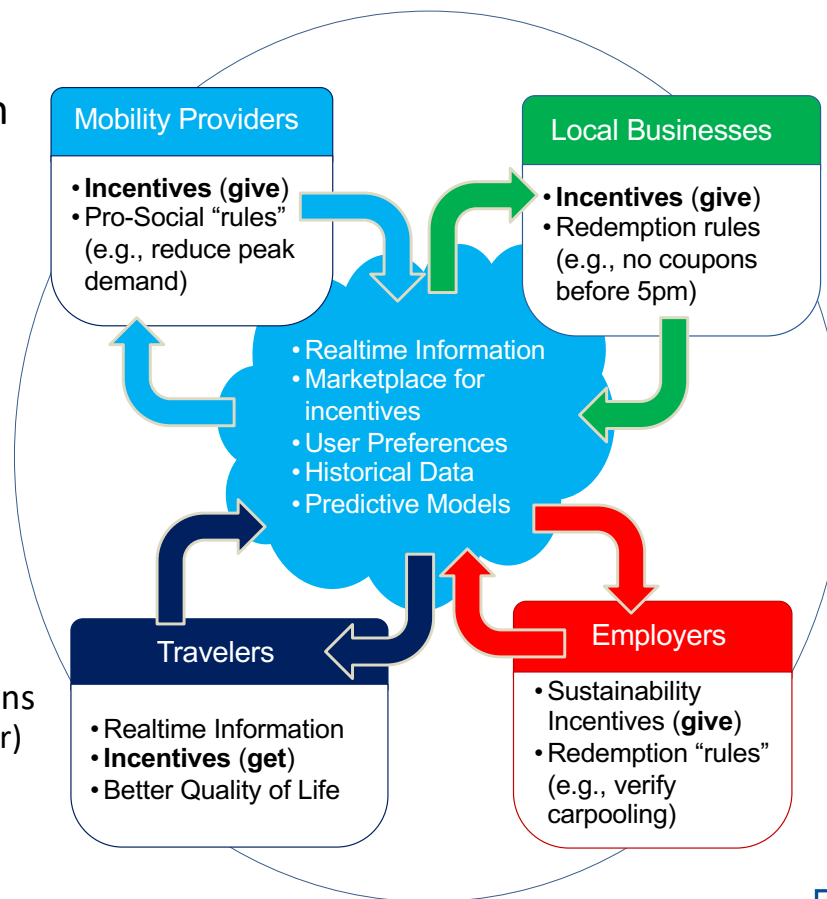
PI: Alex Labrinidis, University of Pittsburgh / Co-PIs: K. Harries, K. Johnson, A. Lee, S. Linardi, Y.-R. Lin, K. Pelechris (Sep 2017 – Aug 2021)

#### Challenge:

- How to change human behavior using information and monetary incentives

#### Solution:

- Real-time information displays (+mobile)
- Predictive modeling
- Multi-stakeholder recommendations
- Risk-based multimodal routing:
  - multiple paths & combinations (walk, bus, bike, shared bike, car)
  - COVID-19 risk estimates

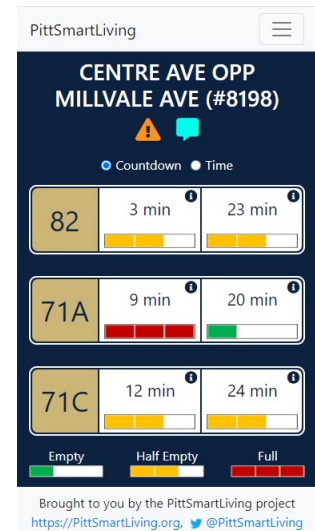


#### Scientific Impact:

- Multi-stakeholder recommendation algorithms

#### Broader Impact:

- Fully informed riders:
  - arrival times
  - bus capacity
  - bus alerts



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