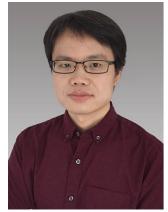
### Towards Closing the Electricity-Transportation-Human Loop via Control and Market



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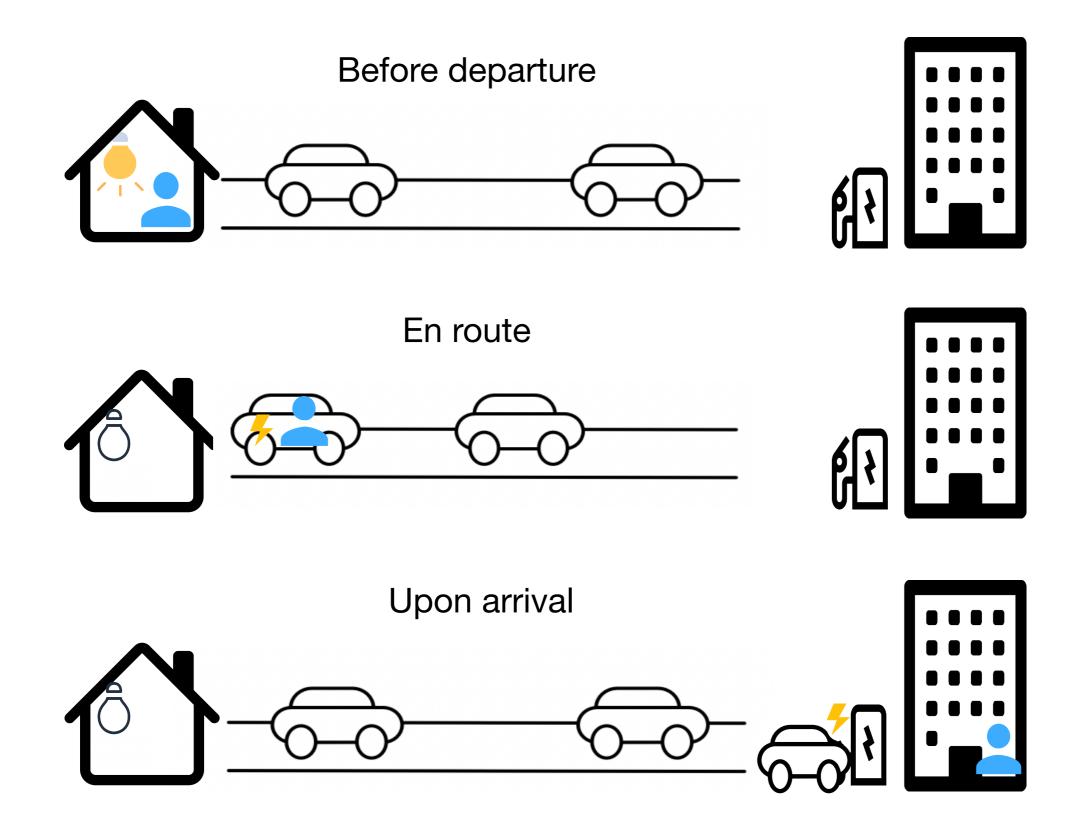


Kameshwar Poolla Berkeley



Pravin Varaiya Berkeley

## An EV Morning Commute Example



## The Electricity-Transportation Nexus

**In Electrified Transportation Systems** 



#### **Central Thesis:**

We can optimize the performance of both electricity and transportation systems by leveraging the coupling between them.

#### **Examples:**

- Workplace charging pricing
- Electrified transportation network companies
- Electric roadways