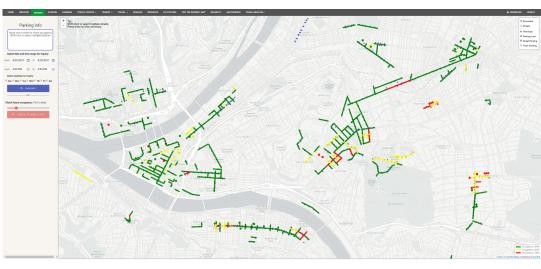


## Matching Parking Supply to Travel Demand towards Sustainability: a Cyber Physical Social System for Sensing Driven Parking

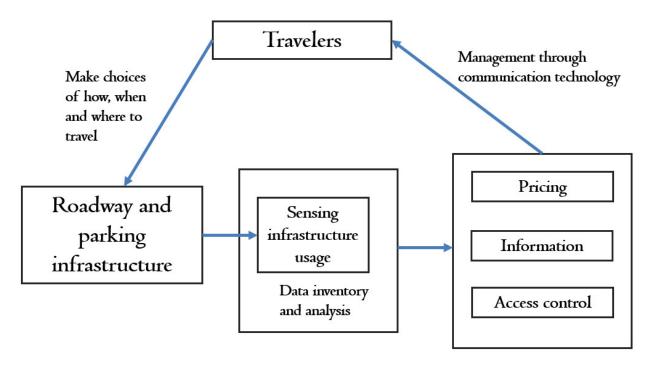
| Se | Sean Qian                 |   | Michael Zhang       |   | Ram Rajagopal     |  |
|----|---------------------------|---|---------------------|---|-------------------|--|
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| •  | CNS-1544826               |   |                     |   |                   |  |

## Description

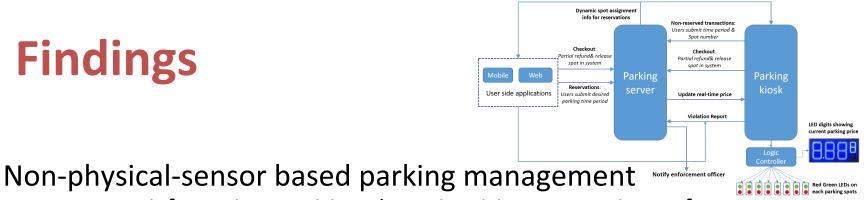
Parking can considerably influence a traveler's choice of modes, time, and route of travel



Use parking to reduce congestion, mitigate emission, and enhance system reliability

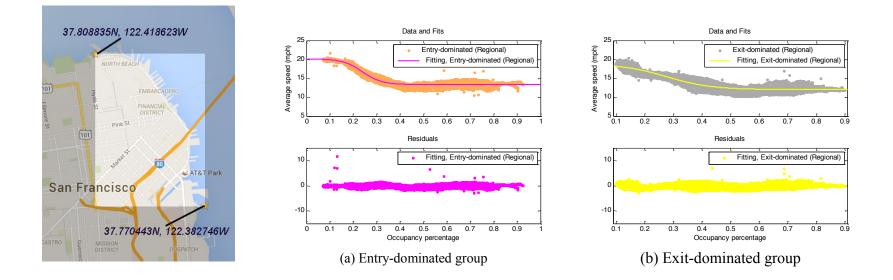






payment, information provision, dynamic pricing, reservation, enforcement

Reservoir-based parking/traffic model



Real-time pricing (control) based on occupancy and demand