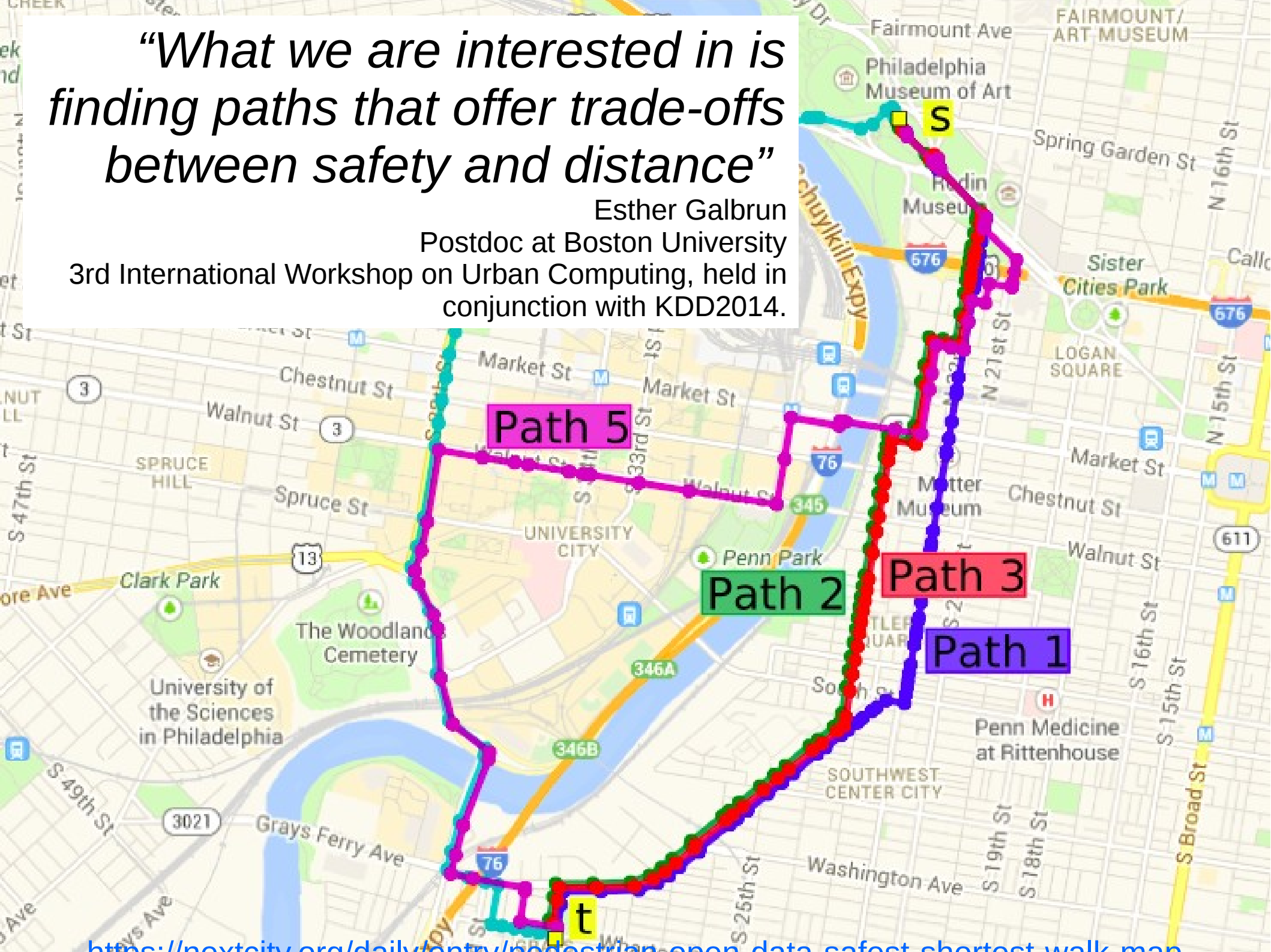


*“What we are interested in is finding paths that offer trade-offs between safety and distance”*

Esther Galbrun

Postdoc at Boston University

3rd International Workshop on Urban Computing, held in conjunction with KDD2014.



# Generation of synthetic traffic data



## 2 Students

- Create traffic model based on statistics.
- Simulate a stream of incoming traffic data
- Design database schema
- Provide interface/service to get/set traffic obstruction

{ time, segment,  
direction, status,  
description\*, video\*, ... }

# Analysis of Video in Real Time



## 2 Students

- Extract information about traffic volume from videos
- Store traffic volume using the service created by Group 1



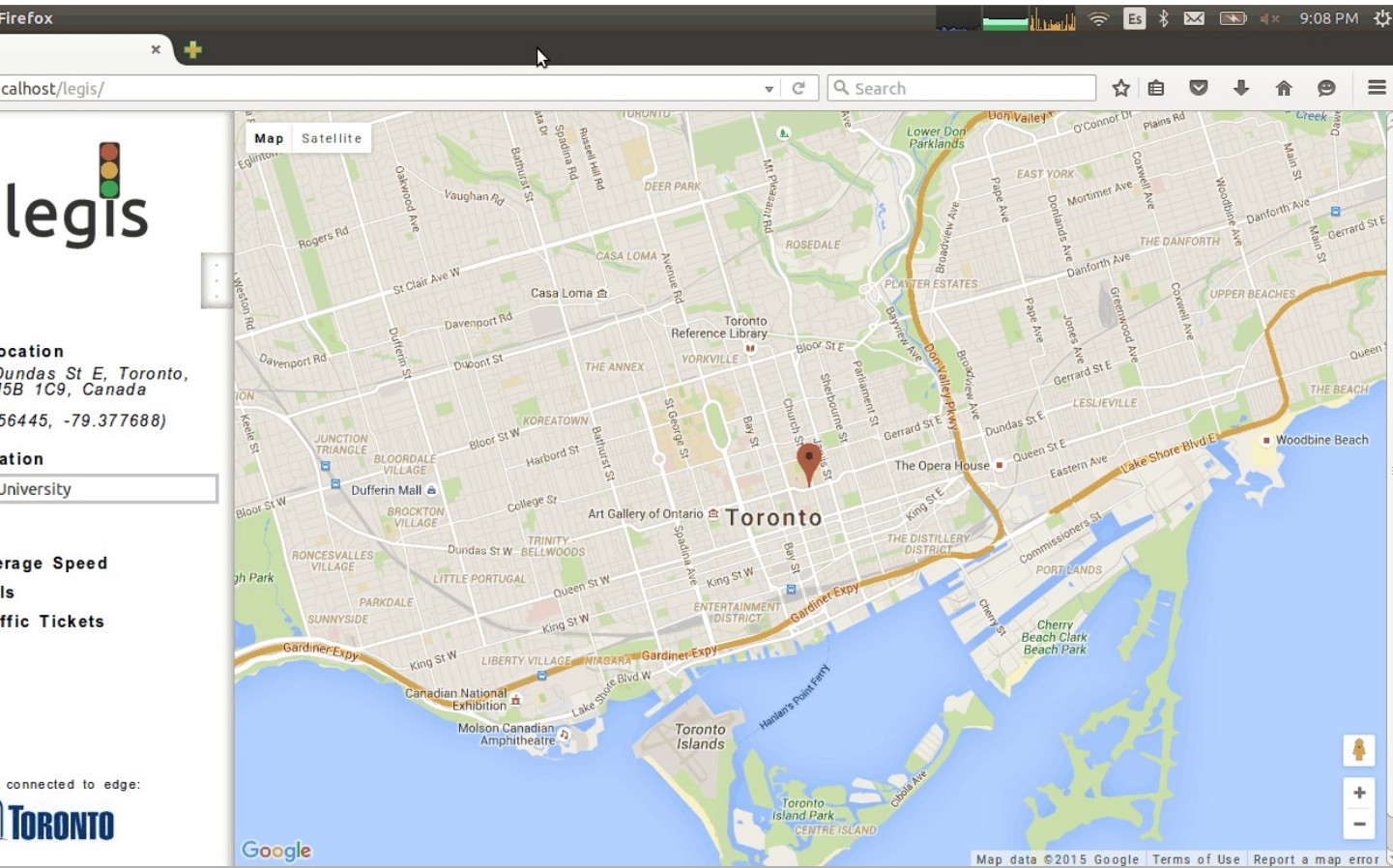
# Location-based video streaming

## 3 Students

- Extend Kaleidoscope, a video streaming application, to start a streaming session or join a session based on location and traffic data.
- Report obstructions (Store in database created by Group 1)



# Distributed Route Planning



## 3 Students

- Find a set of possible routes
- Find the cost of each route
- Design a simple UI to show the result