The Road to Future Urban Mobility

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Traffic congestion

- In 2014, congestion caused people in urban areas in US to travel 6.9 billion hours more and to purchase an extra 3.1 billion gallons of fuel resulting at a total cost estimated to $160 billion\[^1\].

Progress on safety

Video: courtesy of University of Michigan Transportation Research Institute.
Can we improve efficiency?
How we then scale up?
1939 New York World’s Fair
The vision today

Video: The future of self-driving cars
Future urban mobility
There is a reality today
What is “the Road to the Future Urban Mobility?”
What is “the Road to the Future Urban Mobility?”

Routing Games: Prof. Alex Bayen, UC Berkeley

Transportation Optimization: Prof. Carolina Osorio, MIT

Self-Driving Cars: Dr. Jonas Nilsson, Volvo

Macroscopic Models: Dr. Paola Goatin, INRIA