



## **Professor Emilio Frazzoli**

«Apply your talents and skills to something that matters to you and that you're willing to take responsibility for. Keep your eyes open for opportunities and don't be afraid of taking the road less travelled.»

# Mobile Robotic Systems

## Institute for Dynamic Systems and Control

Our lab combines the world of transportation with the world of automation. This brings a variety of aspects into our work, ranging from advanced mathematics and sensor technology to economic and societal questions. In addition, we are involved in transitioning our technology to the real world, through start-ups and collaborations. Members of our group have developed technologies enabling leading robotaxi systems worldwide.

### Focus

- Developing smart urban mobility
- Autonomous vehicles and transportation networks
- Safe, dependable, and sustainable mobility

### Tools and methods

- Control theory
- Machine learning
- Algorithmic robotics
- Computer science
- Operations research

Further details online:

[www.idsc.ethz.ch/research-frazzoli](http://www.idsc.ethz.ch/research-frazzoli)

