CONTINUOUS ANALYSIS OF MANY CAMERAS
Analysis of Visual Data from World Wide Network Cameras

CAM2 IN 2018
• Cloud-based platform for processing visual data from many distributed cameras.
• Provide real-time data (image or video)
• Large variety of ongoing tasks related to image processing, API development, web UI development, database construction, supercomputing, and entrepreneurship.

DATA FROM NETWORK CAMERAS
• More than 200 million network cameras deployed worldwide (IHS Markit) and stream visual data continuously
• CAM2 currently has more than 110,000 cameras in national parks, street intersections, construction sites, tourist attractions ...

SAMPLE IMAGES
- Houston Flood
- Alberta Fire
- NYC
- Tokyo
- Seattle
- London

COMMERCIALIZATION
• Commercialize in order to have lasting, positive impact on society.
• Large variety of potential applications towards public safety

RESEARCH TOPICS
• Data management
  • How to find the data? Label the data?
• Resource management
  • Resources needed to process and store?
• Data analysis
  • What information is available in the data?
  • What trends can be observed?

ENTREPRENEURSHIP
• Perceive Inc.
  • Small Business Innovation Research Grant.
  • Video analytics for retail applications.