Motivation

Increasing Number of cyclist collisions

[Image of a cyclist and a car involved in a collision, with police officers investigating]
Project Roles

- Functional crash test dummy
- Simulate bike-car collision
- Collect collision data
- Modular design
- Multiple crash configurations
Project Roles

Sensing & Instrumentation

Crash Dynamics

Biomechanics
Dummy Crash Test (2015)
Dummy Crash Test 2018
Post-Crash Analysis
Future Goals

• New modular dummy

• Muscle coverage

• High-speed sensing

• Improve launch mechanism

• Crash simulations through computer programming
Thank You
http://cucd.mae.carleton.ca/