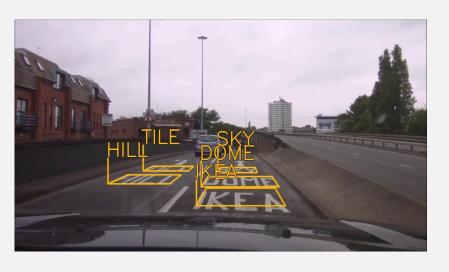
Department of Computer Science University of Bristol

COMS30030 - Image Processing and Computer Vision

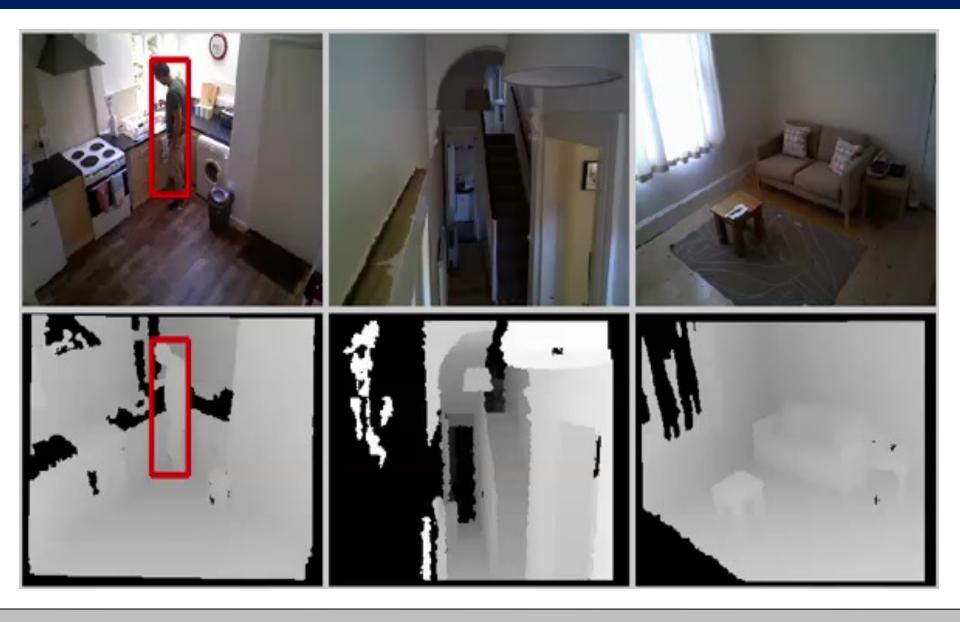


Video Lecture 02

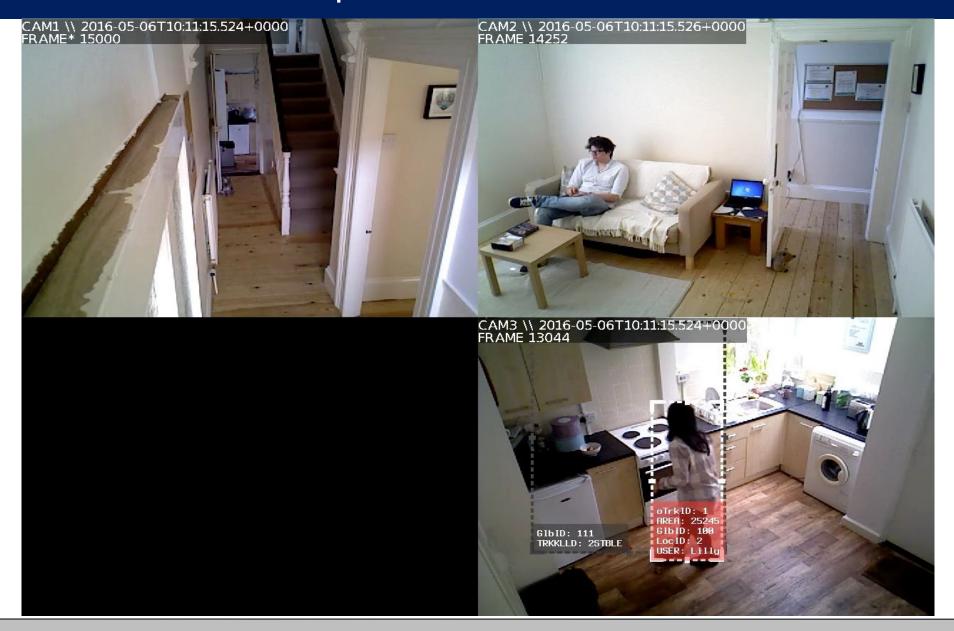
Computer Vision Demos

Majid Mirmehdi | majid@cs.bris.ac.uk

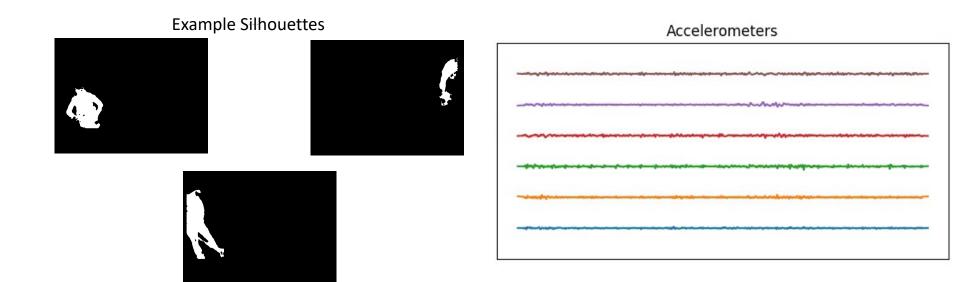
Example: SPHERE RGB-D Multi-Camera Person Detection



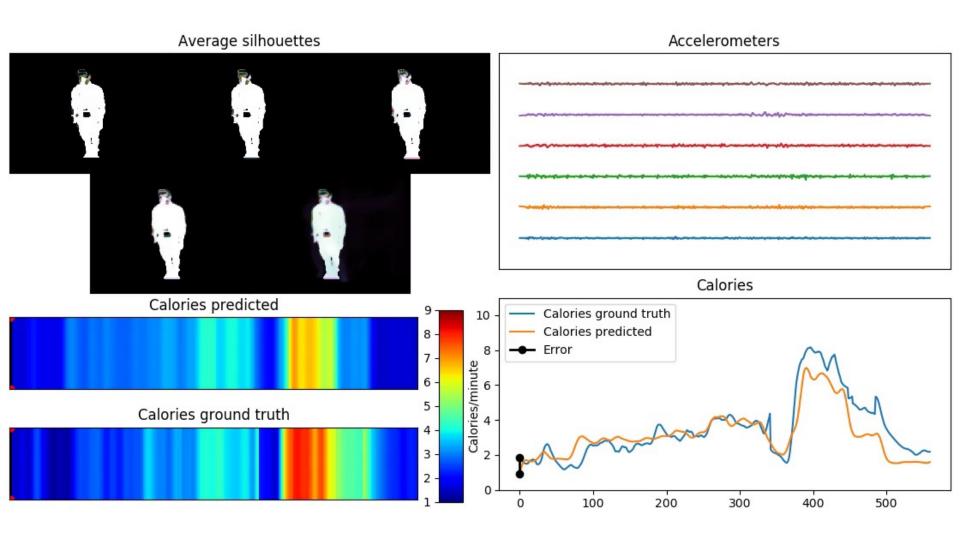
Example: SPHERE Tracker



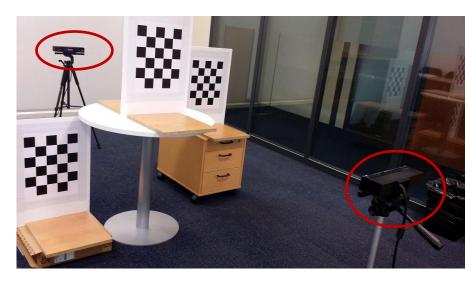
Calorie Estimation from Silhouette Videos



Calorie Estimation from Silhouette Videos



Example: Dual Kinect Pulmonary Function Testing

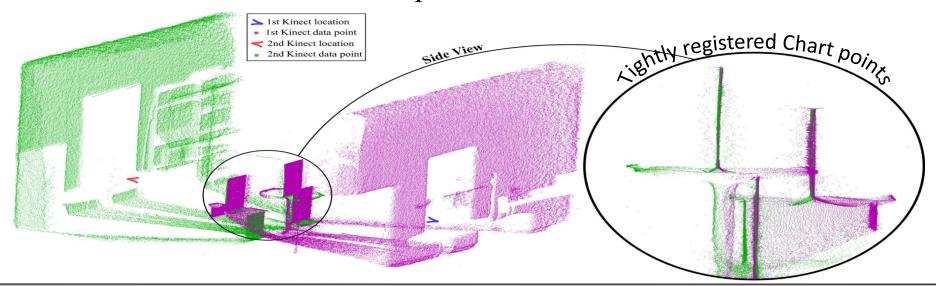


Double-sided chessboard setup

Example: Dual Kinect Pulmonary Function Testing



Double-sided chessboard setup



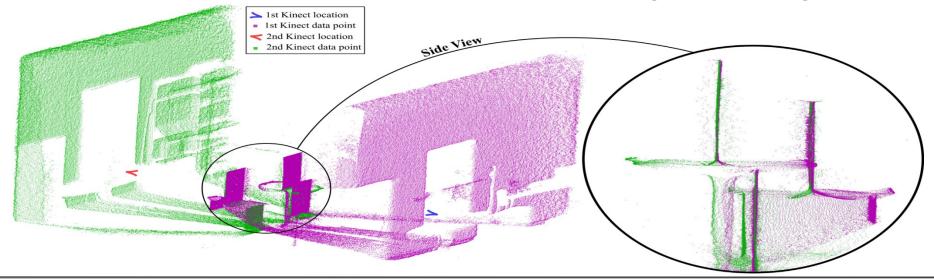
Example: Dual Kinect Pulmonary Function Testing



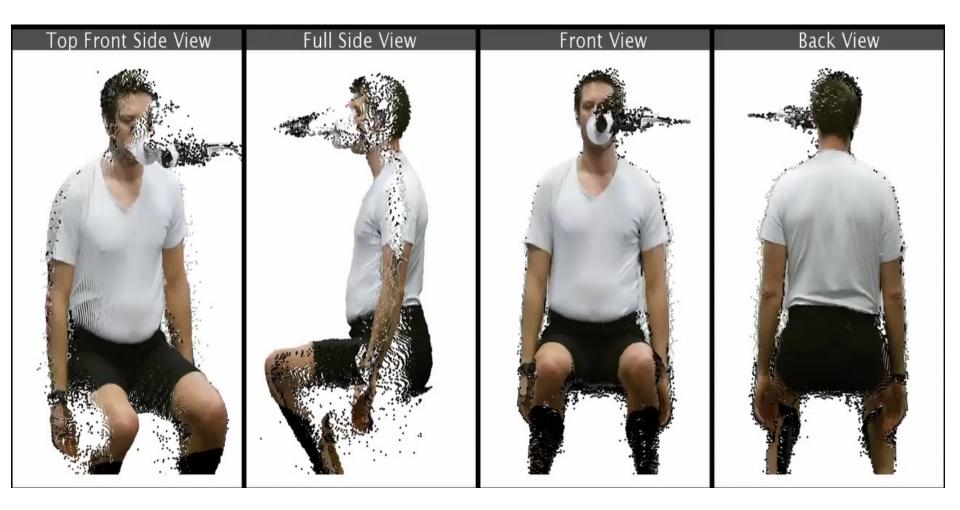


Double-sided chessboard setup

Recording a breathing test



Example: Dual Kinect 3D Reconstruction



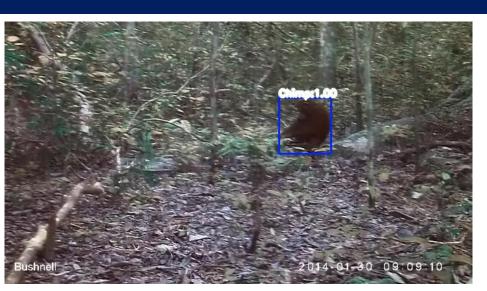
Example: Animal Detection and Tracking



Chimpanzee and Great Ape Camera-Trap Dataset

Captured in the African jungle, provided by Max Planck Institute for Evolutionary Anthropology. There are 300,000 video clips – 15 seconds each – fully annotated with classes.

Example: Base Tracker





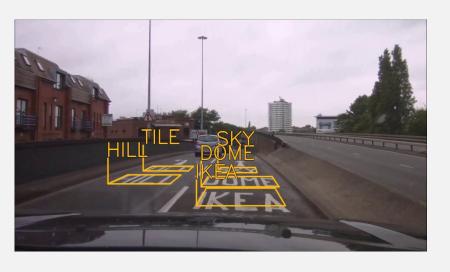


Example: Attention-based Occlusion-robust Tracker



Department of Computer Science University of Bristol

COMS30030 - Image Processing and Computer Vision



Thanks for watching the Computer Vision Demos

Majid Mirmehdi | majid@cs.bris.ac.uk