

ENEL440 Progress Report

August 14, 2011

Benjamin Washington-Yule

byu17@uclive.ac.nz (92646188)

Henry Jenkins

hvj10@uclive.ac.nz (83238549)

**Department of Computer and Electrical Engineering
University of Canterbury, Christchurch, New Zealand**

1

Particle filters for signal processing

1.1 Applications

- Object Tracking for radar and sonar applications
- Real-time enhancements of speech and audio signals
- Sequence and channel estimations in digital communications channels
- Medical monitoring of patient EEG/ECG signals
- Image sequence tracking