

# ENG4000

## Distributed Camera Surveillance Network for Multi-Object Tracking

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### Group 1 (Trackingineers)

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# IMPLEMENTATION SETUP



# TOOLS

## ► Image Processing Toolbox for MATLAB

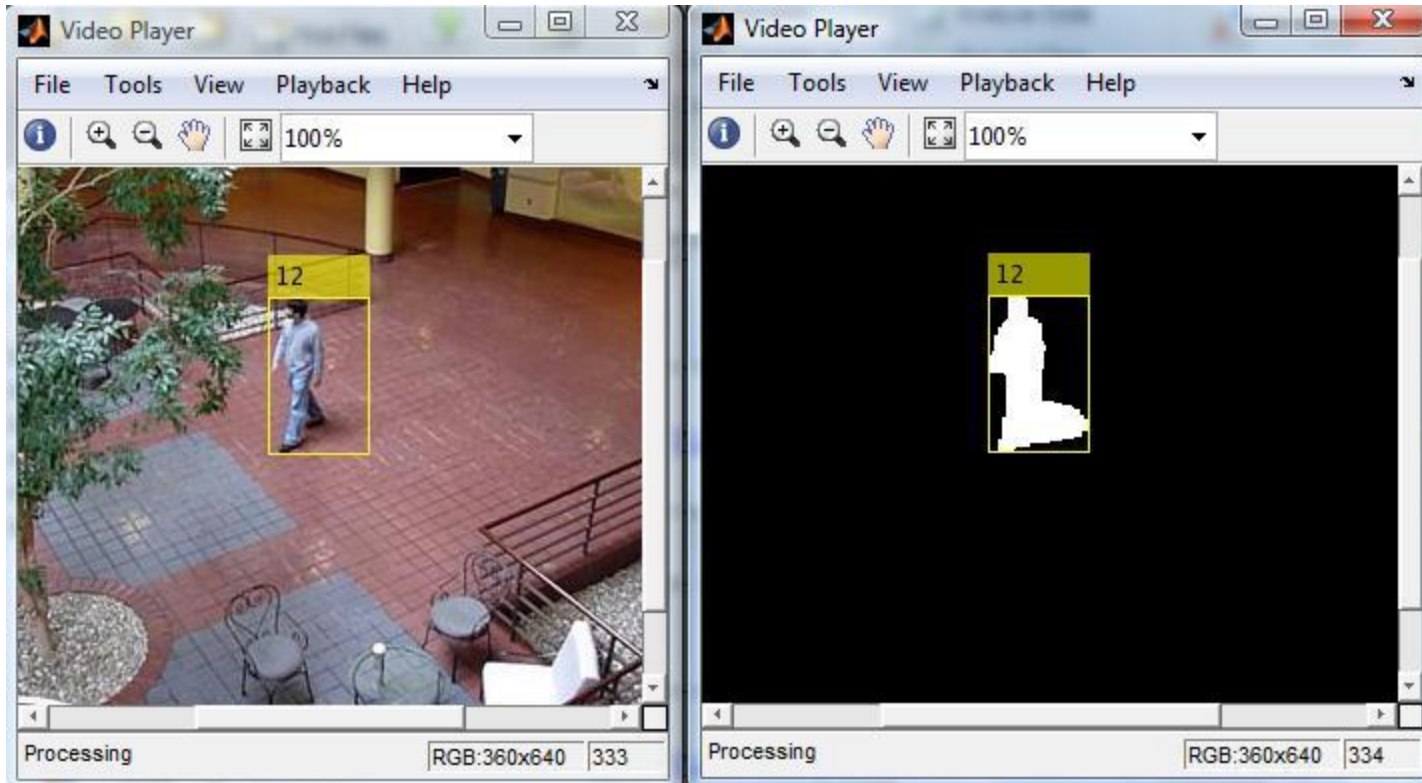


Source:

<http://dspace.mit.edu/bitstream/handle/1721.1/6677/AIM-1655.pdf?sequence=2>

# TOOLS CONT'D

- ▶ Computer Vision System Toolbox for MATLAB



# EQUIPMENT

- ▶ Surveillance cameras
  - Allow for recording of video samples
- ▶ Desktop computers
  - Ideal to show mosaic
- ▶ Smartphones
  - Initial data capture
- ▶ Laptops
  - Primary Workstations
- ▶ Power bars and extensions



# SOFTWARE

- ▶ **MATLAB**

- Main tool for development of system software
- Essential for image and video processing

- ▶ **Simulink**

- Helpful for analyzing raw signals

- ▶ **MS Office**

- Presentations and reports

# CONSUMABLE MATERIALS

- ▶ Stationary
- ▶ Video feeds
- ▶ Funding