# Sensor Fusion

**Mobile Robotics** 

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### Today

- Noise
- Calibration
- Signal smoothing
- Sensor fusion
- Fusing odometry and compass information
- Testing with simulation

Sense  $\rightarrow$  Perceive  $\rightarrow$  Plan  $\rightarrow$  Act

#### Noise

### Calibration

# Signal Smoothing

#### Sensor Fusion

### Improving Pose Estimation