Development of Socially-Assistive Robots (SARs) to Engage Persons with Alzheimer's Disease (AD) and AD-Related Dementias (ADRD), and their Caregivers (R41/R42)
Assistive Walker

Navigate with Confidence

A robotic walker that uses sensors accompanied by motors to help individuals with Alzheimers safely navigate their environments.

Servo Motor
Adjusts direction of the wheel if patient is moving away from their desired input location.

Potentiometer
Detects the direction of the wheel to know if the patient is headed in the desired direction.
Thank You!