

## *Connecting Audio and Radio Sensing Systems to Improve Care at Home for People with Mild Cognitive Impairment or Mild Alzheimer's Disease*



- *We are currently conduct a study to address the unmet care needs and reduce the care burdens for persons with ADRD and their caregivers by providing monitoring of daily activities and gestures using audio and radio sensing, providing voice-based reminders, and conducting hands-free surveys that will guide future personalized intervention.*
- ***What will I be asked to do if I choose to participate in this study?***  
After eligibility survey test, if eligible
  - In phase 1, you will be asked to attend 2 interview and 1 survey within 8 weeks. The interview and survey will take about 1 hour.
  - In phase 2, research staff will schedule a home visit to set up and train you to use the Amazon Echo device with the AURA\_ALZ system installed. We will collect daily movement data, e.g., sitting, lying, walking, drinking, eating, fall, and location data of the patients as detected by WiFi router for 2 weeks. You will be asked to complete interview and survey at the end of the study. You can participate in one or both phases.
- You will receive \$ 50 after completing for each phase.
- *What are the risks involved with participating?* There are minimal risks or discomforts to you of taking part in this study.

If you want to know more or take part in this study, please contact:

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