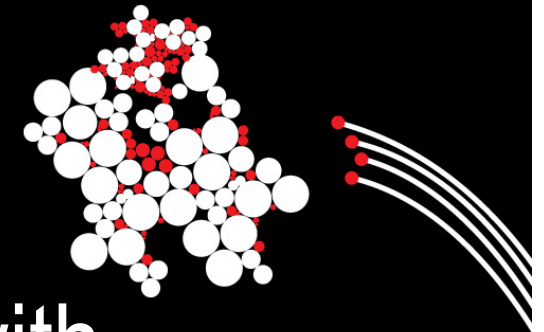


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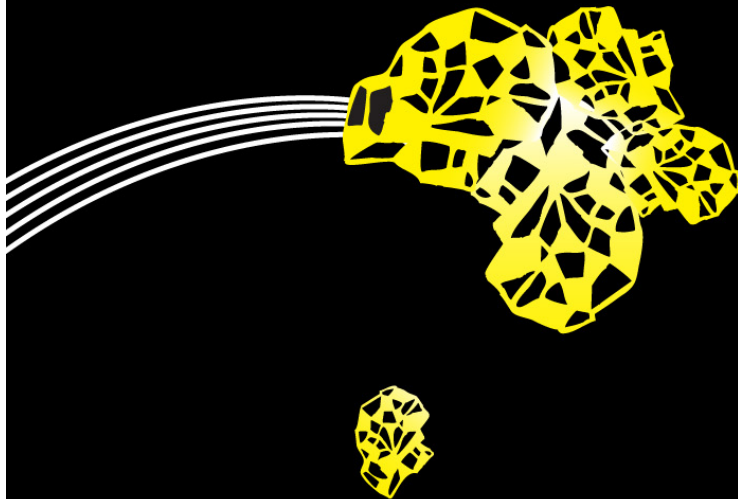


Obstacles in HRI studies with elderly participants

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Elderly participants pose specific challenges in HRI research

- Difficulty of recruitment and permissions
- Mobility difficulties:
 - Obstacles to come to lab
 - More chances to damage equipment
- Eyesight problems -> reading questionnaires
- Hearing problems -> understanding the robot
- Researcher must be sensitive tackling happiness and tragedy
- Tense participants -> lower self-efficacy
- (Specially in long-term studies):
 - Higher mortality and morbidity
 - Removal of robot could mean significant loss



Elderly participants pose specific challenges in HRI research

- Impaired or slower cognitive abilities:
 - More time to understand the procedure and the questionnaires.
- Questionnaires and other sources of data incomplete
- Problems with memory:
 - Forget appointments
 - Forget previous interaction with robot when data is to be collected
- Chances of microsleep

Solutions to consider?

Thank you for your attention!

