

# Relational effect in Socially Assistive Robots

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# Outline

Project goal

State of Art

Human and Robot roles in task

Current status



# The project

- Socially Assistive Robot (SAR) for elderly people
- Increase motivation for exercises both physical and mental

# Relational interaction

- Facial expression
- Communication Gestures
- Praise and Reassurance
- Prevent repetitiveness



# Roles

- One-on-One interaction
- Robot is coach: gives example movements
- Human is participant, follows instructions of robot



## Current status

- Both
- Coach
- Companion
- More useful
- More enjoyable



## Current status

Both robots were received well but including relational interaction patterns improved many parts of the interaction and intrinsic motivation

