

CARE (Cloud-connected Assistive Robots for the Elderly)

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OUR RESEARCH INTERESTS

- Application of artificial intelligence in social human-robot interaction
- Cloud computing and its applications
- Digitalization of elderly care
- Affective computing
- Adaptive rehabilitation
- Wearable sensors
- Internet of Things
- Industry 4.0



THE PROJECT IDEA

- Personalized cognitive stimulation therapy for the elderly using social robots
- Creating (semi-)autonomous robots by learning from the teleoperator
- Monitoring the interaction and processing the data in the cloud
- Data mining and visualization in the cloud
- Emotion assessment of the subject during the interaction
- Information system with data available for caregivers and family
- [Video with detailed information](#)

WE ARE LOOKING FOR PARTNERS WITH EXPERTISE IN

- Project coordination
- Cloud services development
- Speech recognition / natural language processing
- Emotion recognition (not exclusively facial emotion assessment)
- End-users

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